



Failover Cluster Validation Report

Node: hyperv1.kerberos.dnuk.lan Validated
Node: hyperv2.kerberos.dnuk.lan Validated
Started 10/29/2014 4:02:16 PM
Completed 10/29/2014 4:05:20 PM

The Validate a Configuration Wizard must be run after any change is made to the configuration of the cluster or hardware. For more information, see <http://go.microsoft.com/fwlink/p/?LinkId=280145>.

Results by Category

Name	Result Summary	Description
Hyper-V Configuration		Success
Inventory		Success
Network		Success
Storage		Success
System Configuration		Success



Hyper-V Configuration

Name	Result	Description
List Information About Servers Running Hyper-V		Success
Validate Compatibility of Virtual Fibre Channel SANs for Hyper-V		Success
Validate Hyper-V Memory Resource Pool Compatibility		Success
Validate Hyper-V Network Resource Pool And Virtual Switch Compatibility		Success
Validate Hyper-V Processor Resource Pool Compatibility		Success
Validate Hyper-V Role Installed		Success
Validate Hyper-V Storage Resource Pool Compatibility		Success
Validate Matching Processor Manufacturers		Success



Inventory

Name	Result	Description
List BIOS Information		Success
List Environment Variables		Success
List Fibre Channel Host Bus Adapters		Success
List iSCSI Host Bus Adapters		Success
List Memory Information		Success
List Operating System Information		Success
List Plug and Play Devices		Success
List Running Processes		Success

- [List SAS Host Bus Adapters](#)
- [List Services Information](#)
- [List Software Updates](#)
- [List System Drivers](#)
- [List System Information](#)
- [List Unsigned Drivers](#)



Success
Success
Success
Success
Success
Success



Network

Name

- [List Network Binding Order](#)
- [Validate Cluster Network Configuration](#)
- [Validate IP Configuration](#)
- [Validate Network Communication](#)
- [Validate Windows Firewall Configuration](#)

Result



Description

Success
Success
Success
Success
Success



Storage

Name

- [List Disks](#)
- [List Disks To Be Validated](#)
- [Validate CSV Network Bindings](#)
- [Validate CSV Settings](#)
- [Validate Disk Access Latency](#)
- [Validate Disk Arbitration](#)
- [Validate Disk Failover](#)
- [Validate File System](#)
- [Validate Microsoft MPIO-based disks](#)
- [Validate Multiple Arbitration](#)
- [Validate SCSI device Vital Product Data \(VPD\)](#)
- [Validate SCSI-3 Persistent Reservation](#)
- [Validate Simultaneous Failover](#)
- [Validate Storage Spaces Persistent Reservation](#)

Result













Description

Success
Success
Success
Success
Success
Success
Success
Success
Success
Success
Success
Success
Success
Success



System Configuration

Name	Result	Description
Validate Active Directory Configuration		Success
Validate All Drivers Signed		Success
Validate Memory Dump Settings		Success
Validate Operating System Edition		Success
Validate Operating System Installation Option		Success
Validate Operating System Version		Success
Validate Required Services		Success
Validate Same Processor Architecture		Success
Validate Service Pack Levels		Success
Validate Software Update Levels		Success

Overall Result

Testing has completed successfully and the configuration is suitable for clustering.

List BIOS Information

Description: List BIOS information from each node.



hyperv1.kerberos.dnuk.lan

Gathering BIOS Information for hyperv1.kerberos.dnuk.lan

Item	Value
Name	BIOS Date: 01/17/13 18:07:48 Ver: 08.00.16
Manufacturer	American Megatrends Inc.
SMBios Present	True
SMBios Version	'V2.05'
SMBios Major Version	2
SMBios Minor Version	6
Current Language	en US iso8859-1
Release Date	1/16/2013 4:00:00 PM
Primary BIOS	True



hyperv2.kerberos.dnuk.lan

Gathering BIOS Information for hyperv2.kerberos.dnuk.lan

Item	Value
Name	BIOS Date: 01/17/13 18:07:48 Ver: 08.00.16
Manufacturer	American Megatrends Inc.
SMBios Present	True
SMBios Version	'V2.05'
SMBios Major Version	2
SMBios Minor Version	6
Current Language	en US iso8859-1
Release Date	1/16/2013 4:00:00 PM
Primary BIOS	True

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List Disks

Description: List all disks visible to one or more nodes. If a subset of disks is specified for validation, list only disks in the subset.

Start: 10/29/2014 4:02:16 PM.

Prepare storage for testing.

Begin to build matrix: 10/29/2014 4:02:17 PM.

Begin to build candidate disk list: 10/29/2014 4:02:17 PM.

Dump disk collection to report: 10/29/2014 4:02:17 PM.



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Row	Disk Number	Disk Signature	VPD Page 83h Identifier	VPD Serial Number	Model	Bus Type	Stack Type	SCSI Address	Adapter	Eligible for Validation	Disk Characteristics
0	0	f11ce7bc	<Unknown>	14100C0897D9	Crucial_CT128M550SSD1	SATA	Stor Port	2:2:0:0	Standard SATA AHCI Controller	False	Disk is a boot volume. Disk is a system volume. Disk is used for paging files. Disk is used for memory dump files. Disk bus type does not support clustering. Disk is on the system bus. Disk partition style is MBR. Disk type is BASIC.
1	1	54dd8280	343538347433626E	4584t3bn	ZVAULT hyperv Multi-Path Disk Device	iSCSI	Stor Port	5:0:1:0	Microsoft Multi-Path Bus Driver	True	Disk partition style is MBR. Disk type is BASIC. Disk uses Microsoft Multipath I/O (MPIO).



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Row	Disk Number	Disk Signature	VPD Page 83h Identifier	VPD Serial Number	Model	Bus Type	Stack Type	SCSI Address	Adapter	Eligible for Validation	Disk Characteristics
0	0	a66820f7	<Unknown>	14100C088F29	Crucial_CT128M550SSD1	SATA	Stor Port	2:1:0:0	Standard SATA AHCI Controller	False	Disk is a boot volume. Disk is a system volume. Disk is used for paging files. Disk is used for memory dump files. Disk bus type does not support clustering. Disk is on the system bus. Disk partition style is MBR. Disk type is BASIC.
1	1	54dd8280	343538347433626E	4584t3bn	ZVAULT hyperv Multi-Path Disk Device	iSCSI	Stor Port	5:0:0:0	Microsoft Multi-Path Bus Driver	True	Disk partition style is MBR. Disk type is BASIC. Disk uses Microsoft Multipath I/O (MPIO).

Stop: 10/29/2014 4:02:17 PM.

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List Disks To Be Validated

Description: List disks that will be validated for cluster compatibility.

Start: 10/29/2014 4:02:17 PM.

Disks:	Disk Signature	VPD Page 83h Identifier	VPD Serial Number
Test Disk 0	54dd8280	343538347433626E	4584t3bn

Stop: 10/29/2014 4:02:17 PM.

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List Environment Variables

Description: List environment variables set on each node.



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Gathering Environment Variables for hyperv1.kerberos.dnuk.lan

Name	Variable Value	User Name
ComSpec	%SystemRoot%\system32\cmd.exe	<SYSTEM>
FP_NO_HOST_CHECK	NO	<SYSTEM>
NUMBER_OF_PROCESSORS	32	<SYSTEM>
OS	Windows_NT	<SYSTEM>
Path	%SystemRoot%\system32;%SystemRoot%;%SystemRoot%\System32\Wbem;%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\	<SYSTEM>
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC	<SYSTEM>
PROCESSOR_ARCHITECTURE	AMD64	<SYSTEM>
PROCESSOR_IDENTIFIER	AMD64 Family 21 Model 1 Stepping 2, AuthenticAMD	<SYSTEM>
PROCESSOR_LEVEL	21	<SYSTEM>
PROCESSOR_REVISION	0102	<SYSTEM>
PSModulePath	%SystemRoot%\system32\WindowsPowerShell\v1.0\Modules\	<SYSTEM>
TEMP	%USERPROFILE%\AppData\Local\Temp	HYPERV1\Administrator
TEMP	%USERPROFILE%\AppData\Local\Temp	NT AUTHORITY\LOCAL SERVICE
TEMP	%USERPROFILE%\AppData\Local\Temp	KERBEROS\matt
TEMP	%USERPROFILE%\AppData\Local\Temp	KERBEROS\ed
TEMP	%USERPROFILE%\AppData\Local\Temp	NT AUTHORITY\NETWORK SERVICE
TEMP	%USERPROFILE%\AppData\Local\Temp	NT AUTHORITY\SYSTEM
TEMP	%SystemRoot%\TEMP	<SYSTEM>
TMP	%USERPROFILE%\AppData\Local\Temp	KERBEROS\matt
TMP	%USERPROFILE%\AppData\Local\Temp	NT AUTHORITY\LOCAL SERVICE
TMP	%USERPROFILE%\AppData\Local\Temp	HYPERV1\Administrator
TMP	%USERPROFILE%\AppData\Local\Temp	KERBEROS\ed
TMP	%USERPROFILE%\AppData\Local\Temp	NT AUTHORITY\SYSTEM
TMP	%SystemRoot%\TEMP	<SYSTEM>
TMP	%USERPROFILE%\AppData\Local\Temp	NT AUTHORITY\NETWORK SERVICE
USERNAME	SYSTEM	<SYSTEM>
windir	%SystemRoot%	<SYSTEM>



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Gathering Environment Variables for hyperv2.kerberos.dnuk.lan

Name	Variable Value	User Name
ComSpec	%SystemRoot%\system32\cmd.exe	<SYSTEM>
FP_NO_HOST_CHECK	NO	<SYSTEM>
NUMBER_OF_PROCESSORS	16	<SYSTEM>
OS	Windows_NT	<SYSTEM>
Path	%SystemRoot%\system32;%SystemRoot%;%SystemRoot%\System32\Wbem;%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\	<SYSTEM>
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC	<SYSTEM>
PROCESSOR_ARCHITECTURE	AMD64	<SYSTEM>
PROCESSOR_IDENTIFIER	AMD64 Family 21 Model 1 Stepping 2, AuthenticAMD	<SYSTEM>
PROCESSOR_LEVEL	21	<SYSTEM>
PROCESSOR_REVISION	0102	<SYSTEM>
PSModulePath	%SystemRoot%\system32\WindowsPowerShell\v1.0\Modules\	<SYSTEM>
TEMP	%USERPROFILE%\AppData\Local\Temp	HYPERV2\Administrator
TEMP	%USERPROFILE%\AppData\Local\Temp	NT AUTHORITY\LOCAL SERVICE
TEMP	%USERPROFILE%\AppData\Local\Temp	KERBEROS\matt
TEMP	%USERPROFILE%\AppData\Local\Temp	KERBEROS\ed
TEMP	%USERPROFILE%\AppData\Local\Temp	NT AUTHORITY\NETWORK SERVICE
TEMP	%USERPROFILE%\AppData\Local\Temp	NT AUTHORITY\SYSTEM
TEMP	%SystemRoot%\TEMP	<SYSTEM>
TMP	%USERPROFILE%\AppData\Local\Temp	KERBEROS\matt

TMP	%USERPROFILE%\AppData\Local\Temp	NT AUTHORITY\LOCAL SERVICE
TMP	%USERPROFILE%\AppData\Local\Temp	HYPERV2\Administrator
TMP	%USERPROFILE%\AppData\Local\Temp	KERBEROS\ed
TMP	%USERPROFILE%\AppData\Local\Temp	NT AUTHORITY\SYSTEM
TMP	%SystemRoot%\TEMP	<SYSTEM>
TMP	%USERPROFILE%\AppData\Local\Temp	NT AUTHORITY\NETWORK SERVICE
USERNAME	SYSTEM	<SYSTEM>
windir	%SystemRoot%	<SYSTEM>

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List Fibre Channel Host Bus Adapters

Description: List Fibre Channel host bus adapters on each node.



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Gathering Fibre Channel Host Bus Adapter information for hyperv1.kerberos.dnuk.lan

Manufacturer	Model	Description	Driver Name	Driver Version	Firmware Version	Hardware Version	Serial Number	Optional ROM Version	Unique Adapter ID
QLogic Corporation	QLE2562	QLogic QLE2562 Fibre Channel Adapter	ql2300.sys	9.1.7.16	4.03.01		RFD1221B56631	3.00	0
QLogic Corporation	QLE2562	QLogic QLE2562 Fibre Channel Adapter	ql2300.sys	9.1.7.16	4.03.01		RFD1221B56631	3.00	0



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Gathering Fibre Channel Host Bus Adapter information for hyperv2.kerberos.dnuk.lan

Manufacturer	Model	Description	Driver Name	Driver Version	Firmware Version	Hardware Version	Serial Number	Optional ROM Version	Unique Adapter ID
QLogic Corporation	QLE2562	QLogic QLE2562 Fibre Channel Adapter	ql2300.sys	9.1.7.16	4.03.01		RFC0920K79565	2.02	0
QLogic Corporation	QLE2562	QLogic QLE2562 Fibre Channel Adapter	ql2300.sys	9.1.7.16	4.03.01		RFC0920K79565	2.02	0

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List Information About Servers Running Hyper-V

Description: List Hyper-V related information on each specified node.

Gathering inventory data for servers running Hyper-V.

Node	Hyper-V Installed	Virtual Machine Queue Capable	Single Root I/O Virtualization Capable
hyperv1.kerberos.dnuk.lan	True	False	False
hyperv2.kerberos.dnuk.lan	True	False	False

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List iSCSI Host Bus Adapters

Description: List iSCSI host bus adapters on each node.

**hyperv1.kerberos.dnuk.lan**

Gathering iSCSI Host Bus Adapter information for hyperv1.kerberos.dnuk.lan

Manufacturer	Model	Manufacturer Version	Driver Name	Firmware Version	Serial Number	Status	Optional ROM Version	Unique Adapter ID
Microsoft Corporation	iSCSI Initiator	1.5	msiscsi.sys	1.5	MSFT-05-1991	The HBA is functioning normally.		18446708896160956

**hyperv2.kerberos.dnuk.lan**

Gathering iSCSI Host Bus Adapter information for hyperv2.kerberos.dnuk.lan

Manufacturer	Model	Manufacturer Version	Driver Name	Firmware Version	Serial Number	Status	Optional ROM Version	Unique Adapter ID
Microsoft Corporation	iSCSI Initiator	1.5	msiscsi.sys	1.5	MSFT-05-1991	The HBA is functioning normally.		18446708894387118

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List Memory Information

Description: List memory information for each node.**hyperv1.kerberos.dnuk.lan**

Gathering Memory Information for hyperv1.kerberos.dnuk.lan

Item	Value
Total Physical Memory	32.0 GB
Total Visible Memory Size	32.0 GB
Total Virtual Memory Size	37.0 GB
Free Physical Memory	30.6 GB
Free Virtual Memory	35.6 GB
Free Space In Page Files	5.00 GB

**hyperv2.kerberos.dnuk.lan**

Gathering Memory Information for hyperv2.kerberos.dnuk.lan

Item	Value
Total Physical Memory	16.0 GB
Total Visible Memory Size	16.0 GB
Total Virtual Memory Size	18.9 GB
Free Physical Memory	15.0 GB
Free Virtual Memory	17.8 GB
Free Space In Page Files	2.88 GB

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List Network Binding Order

Description: List the order in which networks are bound to the adapters on each node.

**hyperv1.kerberos.dnuk.lan**

Binding Order	Adapter	Speed
vEthernet (Virtual Switch)	Hyper-V Virtual Ethernet Adapter #2	10 Gbit/s
Ethernet 7	Intel(R) 82576 Gigabit Dual Port Network Connection	Unavailable
cluster	Intel(R) 82576 Gigabit Dual Port Network Connection	1 Gbit/s
Local Lan2	Intel(R) 82574L Gigabit Network Connection	Unavailable
iscsi-2	Emulex OneConnect OCe11102(R)-I 2-port 10GbE SFP+ PCIe iSCSI CNA #2	10 Gbit/s
iscsi-1	Emulex OneConnect OCe11102(R)-I 2-port 10GbE SFP+ PCIe iSCSI CNA	10 Gbit/s
Ethernet	Intel(R) 82574L Gigabit Network Connection	Unavailable

**hyperv2.kerberos.dnuk.lan**

Binding Order	Adapter	Speed
vEthernet (Virtual Switch)	Hyper-V Virtual Ethernet Adapter #2	10 Gbit/s
Ethernet 7	Intel(R) 82576 Gigabit Dual Port Network Connection	Unavailable
cluster	Intel(R) 82576 Gigabit Dual Port Network Connection	1 Gbit/s
Ethernet 5	Intel(R) 82574L Gigabit Network Connection	Unavailable
iscsi-2	Emulex OneConnect OCe11102(R)-I 2-port 10GbE SFP+ PCIe iSCSI CNA #2	10 Gbit/s
iscsi-1	Emulex OneConnect OCe11102(R)-I 2-port 10GbE SFP+ PCIe iSCSI CNA	10 Gbit/s
Ethernet	Intel(R) 82574L Gigabit Network Connection	Unavailable

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List Operating System Information

Description: List information about the operating system on each node.

**hyperv1.kerberos.dnuk.lan**

Gathering Operating System Information for hyperv1.kerberos.dnuk.lan

Item	Value
Name	Microsoft Windows Server 2012 R2 Standard
Version	6.3.9600
Corrective Service Disk version	
Build Number	9600
Service Pack Major	0
Service Pack Minor	0
Install Date	10/27/2014 11:48:12 PM
Last BootUp Time	10/29/2014 3:20:38 PM
Local Date Time	10/29/2014 4:03:44 PM
Windows Directory	C:\Windows
System Directory	C:\Windows\system32
Boot Device	\Device\HarddiskVolume1
Locale	en-GB
PageFiles	C:\pagefile.sys - 5.00 GB ;

**hyperv2.kerberos.dnuk.lan**

Gathering Operating System Information for hyperv2.kerberos.dnuk.lan

Item	Value
Name	Microsoft Windows Server 2012 R2 Standard
Version	6.3.9600
Corrective Service Disk version	
Build Number	9600
Service Pack Major	0
Service Pack Minor	0
Install Date	10/28/2014 8:34:44 AM
Last BootUp Time	10/29/2014 3:55:33 PM
Local Date Time	10/29/2014 4:03:45 PM
Windows Directory	C:\Windows
System Directory	C:\Windows\system32

Boot Device	\\Device\\HarddiskVolume1
Locale	en-GB
PageFiles	C:\\pagefile.sys - 2.88 GB ;

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List Plug and Play Devices

Description: List Plug and Play devices on each node.



hyperv1.kerberos.dnuk.lan

Gathering Plug and Play Devices information for hyperv1.kerberos.dnuk.lan

Caption	Manufacturer	Status	Service
ACPI Fixed Feature Button	(Standard system devices)	OK	Value Not Found
ACPI Power Button	(Standard system devices)	OK	Value Not Found
ACPI x64-based PC	(Standard computers)	OK	\\Driver\\ACPI_HAL
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
ATA Channel 0	(Standard IDE ATA/ATAPI controllers)	OK	atapi
ATA Channel 1	(Standard IDE ATA/ATAPI controllers)	OK	atapi
ATI I/O Communications Processor PCI Bus Controller	ATI	OK	pci
ATI I/O Communications Processor SMBus Controller	ATI	OK	Value Not Found
Cluster Disk Driver	Microsoft	OK	ClusDisk
Communications Port (COM1)	(Standard port types)	OK	Serial
Communications Port (COM2)	(Standard port types)	OK	Serial
Composite Bus Enumerator	Microsoft	OK	CompositeBus
Crucial_CT128M550SSD1	(Standard disk drives)	OK	disk
CSV Volume Bus	Microsoft	OK	csvvbus
Direct memory access controller	(Standard system devices)	OK	Value Not Found
Emulex OneConnect OCe11102(R)-I 2-port 10GbE SFP+ PCIe iSCSI CNA	Emulex	OK	be2net
Emulex OneConnect OCe11102(R)-I 2-port 10GbE SFP+ PCIe iSCSI CNA #2	Emulex	OK	be2net
Generic Non-PnP Monitor	(Standard monitor)	OK	monitor

Generic USB Hub	types)		
	(Generic USB Hub)	OK	usbhub
Generic volume	Microsoft	OK	volsnap
Generic volume	Microsoft	OK	volsnap
HID Keyboard Device	(Standard keyboards)	OK	kbdhid
HID-compliant mouse	Microsoft	OK	mouhid
High precision event timer	(Standard system devices)	OK	Value Not Found
Hyper-V Virtual Ethernet Adapter #2	Microsoft	OK	VMSMP
Hyper-V Virtual Switch Extension Adapter	Microsoft	OK	VMSMP
Intel(R) 82574L Gigabit Network Connection	Intel Corporation	Error	e1iexpress
Intel(R) 82574L Gigabit Network Connection #2	Intel Corporation	Error	e1iexpress
Intel(R) 82576 Gigabit Dual Port Network Connection	Intel Corporation	OK	e1iexpress
Intel(R) 82576 Gigabit Dual Port Network Connection #2	Intel Corporation	Error	e1iexpress
Intel(R) Gigabit CT Desktop Adapter	Intel	OK	e1qexpress
Mass Storage Controller	Value Not Found	Error	Value Not Found
Mass Storage Controller	Value Not Found	Error	Value Not Found
Microsoft ACPI-Compliant System	Microsoft	OK	ACPI
Microsoft Basic Display Adapter	(Standard display types)	OK	BasicDisplay
Microsoft Basic Display Driver	(Standard display types)	OK	BasicDisplay
Microsoft Basic Render Driver	Microsoft	OK	BasicRender
Microsoft Failover Cluster Virtual Adapter	Microsoft	OK	Netft
Microsoft Generic IPMI Compliant Device	Microsoft	OK	IPMIDRV
Microsoft Hyper-V Network Switch Default Miniport	Microsoft	OK	VMSMP
Microsoft Hyper-V PCI Server	Microsoft	OK	vp Civsp
Microsoft Hyper-V Virtual Disk Server	Microsoft	OK	storvsp
Microsoft Hyper-V Virtual Machine Bus Provider	Microsoft	OK	vmbusr
Microsoft Hyper-V Virtualization Infrastructure Driver	Microsoft	OK	Vid
Microsoft IPv4 IPv6 Transition Adapter Bus	Microsoft	OK	Value Not Found
Microsoft ISATAP Adapter	Microsoft	OK	tunnel
Microsoft ISATAP Adapter #2	Microsoft	OK	tunnel
Microsoft ISATAP Adapter #3	Microsoft	OK	tunnel
Microsoft ISATAP Adapter #4	Microsoft	OK	tunnel
Microsoft iSCSI Initiator	Microsoft	OK	iScsiPrt
Microsoft Kernel Debug Network Adapter	Microsoft	OK	kdnic
Microsoft Multi-Path Bus Driver	Microsoft	OK	mpio
Microsoft Multi-Path Device Specific Module	Microsoft	OK	msdsm
Microsoft Storage Spaces Controller	Microsoft	OK	spaceport
Microsoft System Management BIOS Driver	(Standard system devices)	OK	mssmbios
Microsoft Virtual Drive Enumerator	Microsoft	OK	vdrvroot
Microsoft XPS Document Writer	Microsoft	OK	Value Not Found
Motherboard resources	(Standard system devices)	OK	Value Not Found
Motherboard resources	(Standard system devices)	OK	Value Not Found
Motherboard resources	(Standard system devices)	OK	Value Not Found
Motherboard resources	(Standard system devices)	OK	Value Not Found
Motherboard resources	(Standard system devices)	OK	Value Not Found
NDIS Virtual Network Adapter Enumerator	Microsoft	OK	NdisVirtualBus
Numeric data processor	(Standard system devices)	OK	Value Not Found
PCI Express Root Complex	(Standard system devices)	OK	pci
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found

PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard ISA bridge	(Standard system devices)	OK	msisadv
PCI standard PCI-to-PCI bridge	(Standard system devices)	OK	pci
PCI standard PCI-to-PCI bridge	(Standard system devices)	OK	pci
PCI standard PCI-to-PCI bridge	(Standard system devices)	OK	pci
PCI standard PCI-to-PCI bridge	(Standard system devices)	OK	pci
PCI standard PCI-to-PCI bridge	(Standard system devices)	OK	pci
PCI standard PCI-to-PCI bridge	(Standard system devices)	OK	pci
Plug and Play Software Device Enumerator	(Standard system devices)	OK	swenum
Programmable interrupt controller	(Standard system devices)	OK	Value Not Found
QLogic Fibre Channel Adapter	QLogic	OK	ql2300
QLogic Fibre Channel Adapter	QLogic	OK	ql2300
Remote Desktop Device Redirector Bus	Microsoft	OK	rdpbus
Remote Desktop Keyboard Device	(Standard system devices)	OK	terminpt
Remote Desktop Mouse Device	(Standard mouse types)	OK	terminpt
Root Print Queue	Microsoft	OK	Value Not Found
Smart Card Device Enumeration Bus	Microsoft	OK	Value Not Found
Standard Dual Channel PCI IDE Controller	(Standard IDE ATA/ATAPI controllers)	OK	pciide
Standard OpenHCD USB Host Controller	(Standard USB Host Controller)	OK	usbohci
Standard OpenHCD USB Host Controller	(Standard USB Host Controller)	OK	usbohci
Standard OpenHCD USB Host Controller	(Standard USB Host Controller)	OK	usbohci
Standard OpenHCD USB Host Controller	(Standard USB Host Controller)	OK	usbohci
Standard OpenHCD USB Host Controller	(Standard USB Host Controller)	OK	usbohci
Standard OpenHCD USB Host Controller	(Standard USB Host Controller)	OK	usbohci
Standard SATA AHCI Controller	Standard SATA AHCI Controller	OK	storahci
System board	(Standard system devices)	OK	Value Not Found
System CMOS/real time clock	(Standard system devices)	OK	Value Not Found
System speaker	(Standard system devices)	OK	Value Not Found
System timer	(Standard system devices)	OK	Value Not Found
UMBus Enumerator	Microsoft	OK	umbus

UMBus Root Bus Enumerator	Microsoft	OK	umbus
Unknown USB Device (Device Descriptor Request Failed)	(Standard USB Host Controller)	Error	Value Not Found
USB Composite Device	(Standard USB Host Controller)	OK	usbccgp
USB Input Device	(Standard system devices)	OK	HidUsb
USB Input Device	(Standard system devices)	OK	HidUsb
USB Root Hub	(Standard USB Host Controller)	OK	usbhub
USB Root Hub	(Standard USB Host Controller)	OK	usbhub
USB Root Hub	(Standard USB Host Controller)	OK	usbhub
USB Root Hub	(Standard USB Host Controller)	OK	usbhub
USB Root Hub	(Standard USB Host Controller)	OK	usbhub
Volume Manager	Microsoft	OK	volmgr
WAN Miniport (IKEv2)	Microsoft	OK	RasAgileVpn
WAN Miniport (IP)	Microsoft	OK	NdisWan
WAN Miniport (IPv6)	Microsoft	OK	NdisWan
WAN Miniport (L2TP)	Microsoft	OK	RasL2tp
WAN Miniport (Network Monitor)	Microsoft	OK	NdisWan
WAN Miniport (PPPOE)	Microsoft	OK	RasPppoe
WAN Miniport (PPTP)	Microsoft	OK	PptpMiniport
WAN Miniport (SSTP)	Microsoft	OK	RasSstp
ZVAULT hyperv Multi-Path Disk Device	(Standard disk drives)	OK	disk
ZVAULT hyperv SCSI Disk Device	(Standard disk drives)	OK	disk
ZVAULT hyperv SCSI Disk Device	(Standard disk drives)	OK	disk
Value Not Found	Value Not Found	OK	Value Not Found



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Gathering Plug and Play Devices information for hyperv2.kerberos.dnuk.lan

Caption	Manufacturer	Status	Service
ACPI Fixed Feature Button	(Standard system devices)	OK	Value Not Found
ACPI Power Button	(Standard system devices)	OK	Value Not Found
ACPI x64-based PC	(Standard computers)	OK	\Driver\ACPI_HAL
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
AMD Opteron(TM) Processor 6272	Advanced Micro Devices	OK	AmdPPM
ATA Channel 0	(Standard IDE ATA/ATAPI controllers)	OK	atapi
ATA Channel 1	(Standard IDE ATA/ATAPI controllers)	OK	atapi
ATI I/O Communications Processor PCI Bus Controller	ATI	OK	pci
ATI I/O Communications Processor SMBus Controller	ATI	OK	Value Not Found
Cluster Disk Driver	Microsoft	OK	ClusDisk
Communications Port (COM1)	(Standard port types)	OK	Serial
Communications Port (COM2)	(Standard port types)	OK	Serial
Composite Bus Enumerator	Microsoft	OK	CompositeBus
Crucial_CT128M550SSD1	(Standard disk drives)	OK	disk
CSV Volume Bus	Microsoft	OK	csvvbus
Direct memory access controller	(Standard system devices)	OK	Value Not Found

Emulex OneConnect OCe11102(R)-I 2-port 10GbE SFP+ PCIe iSCSI CNA	Emulex	OK	be2net
Emulex OneConnect OCe11102(R)-I 2-port 10GbE SFP+ PCIe iSCSI CNA #2	Emulex	OK	be2net
Generic Non-PnP Monitor	(Standard monitor types)	OK	monitor
Generic USB Hub	(Generic USB Hub)	OK	usbhub
Generic volume	Microsoft	OK	volsnap
Generic volume	Microsoft	OK	volsnap
HID Keyboard Device	(Standard keyboards)	OK	kbdhid
HID Keyboard Device	(Standard keyboards)	OK	kbdhid
HID-compliant mouse	Microsoft	OK	mouhid
HID-compliant mouse	Microsoft	OK	mouhid
High precision event timer	(Standard system devices)	OK	Value Not Found
Hyper-V Virtual Ethernet Adapter #2	Microsoft	OK	VMSMP
Hyper-V Virtual Switch Extension Adapter	Microsoft	OK	VMSMP
Intel(R) 82574L Gigabit Network Connection	Intel Corporation	Error	e1iexpress
Intel(R) 82574L Gigabit Network Connection #2	Intel Corporation	Error	e1iexpress
Intel(R) 82576 Gigabit Dual Port Network Connection	Intel Corporation	OK	e1iexpress
Intel(R) 82576 Gigabit Dual Port Network Connection #2	Intel Corporation	Error	e1iexpress
Intel(R) Gigabit CT Desktop Adapter	Intel	OK	e1qexpress
Mass Storage Controller	Value Not Found	Error	Value Not Found
Mass Storage Controller	Value Not Found	Error	Value Not Found
Microsoft ACPI-Compliant System	Microsoft	OK	ACPI
Microsoft Basic Display Adapter	(Standard display types)	OK	BasicDisplay
Microsoft Basic Display Driver	(Standard display types)	OK	BasicDisplay
Microsoft Basic Render Driver	Microsoft	OK	BasicRender
Microsoft Failover Cluster Virtual Adapter	Microsoft	OK	Netft
Microsoft Generic IPMI Compliant Device	Microsoft	OK	IPMIDRV
Microsoft Hyper-V Network Switch Default Miniport	Microsoft	OK	VMSMP
Microsoft Hyper-V PCI Server	Microsoft	OK	vpcivsp
Microsoft Hyper-V Virtual Disk Server	Microsoft	OK	storvsp
Microsoft Hyper-V Virtual Machine Bus Provider	Microsoft	OK	vmbusr
Microsoft Hyper-V Virtualization Infrastructure Driver	Microsoft	OK	Vid
Microsoft IPv4 IPv6 Transition Adapter Bus	Microsoft	OK	Value Not Found
Microsoft ISATAP Adapter	Microsoft	OK	tunnel
Microsoft ISATAP Adapter #2	Microsoft	OK	tunnel
Microsoft ISATAP Adapter #3	Microsoft	OK	tunnel
Microsoft ISATAP Adapter #4	Microsoft	OK	tunnel
Microsoft iSCSI Initiator	Microsoft	OK	iScsiPrt
Microsoft Kernel Debug Network Adapter	Microsoft	OK	kdnic
Microsoft Multi-Path Bus Driver	Microsoft	OK	mpio
Microsoft Multi-Path Device Specific Module	Microsoft	OK	msdsm
Microsoft Storage Spaces Controller	Microsoft	OK	spaceport
Microsoft System Management BIOS Driver	(Standard system devices)	OK	mssmbios
Microsoft Virtual Drive Enumerator	Microsoft	OK	vdrvroot
Microsoft XPS Document Writer	Microsoft	OK	Value Not Found
Motherboard resources	(Standard system devices)	OK	Value Not Found
Motherboard resources	(Standard system devices)	OK	Value Not Found
Motherboard resources	(Standard system devices)	OK	Value Not Found
Motherboard resources	(Standard system devices)	OK	Value Not Found
Motherboard resources	(Standard system devices)	OK	Value Not Found
NDIS Virtual Network Adapter Enumerator	Microsoft	OK	NdisVirtualBus
Numeric data processor	(Standard system devices)	OK	Value Not Found
PCI Express Root Complex	(Standard system devices)	OK	pci
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found

PCI standard host CPU bridge	devices) (Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard host CPU bridge	(Standard system devices)	OK	Value Not Found
PCI standard ISA bridge	(Standard system devices)	OK	msisadrv
PCI standard PCI-to-PCI bridge	(Standard system devices)	OK	pci
PCI standard PCI-to-PCI bridge	(Standard system devices)	OK	pci
PCI standard PCI-to-PCI bridge	(Standard system devices)	OK	pci
PCI standard PCI-to-PCI bridge	(Standard system devices)	OK	pci
PCI standard PCI-to-PCI bridge	(Standard system devices)	OK	pci
PCI standard PCI-to-PCI bridge	(Standard system devices)	OK	pci
PCI standard PCI-to-PCI bridge	(Standard system devices)	OK	pci
Plug and Play Software Device Enumerator	(Standard system devices)	OK	swenum
Programmable interrupt controller	(Standard system devices)	OK	Value Not Found
QLogic Fibre Channel Adapter	QLogic	OK	ql2300
QLogic Fibre Channel Adapter	QLogic	OK	ql2300
Remote Desktop Device Redirector Bus	Microsoft	OK	rdpbus
Renesas USB 3.0 eXtensible Host Controller - 0096 (Microsoft)	Generic USB xHCI Host Controller	OK	USBXHCI
Root Print Queue	Microsoft	OK	Value Not Found
Smart Card Device Enumeration Bus	Microsoft	OK	Value Not Found
Standard Dual Channel PCI IDE Controller	(Standard IDE ATA/ATAPI controllers)	OK	pciide
Standard Enhanced PCI to USB Host Controller	(Standard USB Host Controller)	OK	usbhci
Standard Enhanced PCI to USB Host Controller	(Standard USB Host Controller)	OK	usbhci
Standard OpenHCD USB Host Controller	(Standard USB Host Controller)	OK	usbohci
Standard OpenHCD USB Host Controller	(Standard USB Host Controller)	OK	usbohci
Standard OpenHCD USB Host Controller	(Standard USB Host Controller)	OK	usbohci
Standard OpenHCD USB Host Controller	(Standard USB Host Controller)	OK	usbohci
Standard OpenHCD USB Host Controller	(Standard USB Host Controller)	OK	usbohci
Standard OpenHCD USB Host Controller	(Standard USB Host Controller)	OK	usbohci
Standard SATA AHCI Controller	Standard SATA AHCI Controller	OK	storahci
System board	(Standard system devices)	OK	Value Not Found
System CMOS/real time clock	(Standard system devices)	OK	Value Not Found
System speaker	(Standard system devices)	OK	Value Not Found
System timer	(Standard system devices)	OK	Value Not Found
UMBus Enumerator	Microsoft	OK	umbus
UMBus Root Bus Enumerator	Microsoft	OK	umbus
USB Composite Device	(Standard USB Host Controller)	OK	usbccgp
USB Composite Device	(Standard USB Host Controller)	OK	usbccgp
USB Input Device	(Standard system devices)	OK	HidUsb
USB Input Device	(Standard system devices)	OK	HidUsb
USB Input Device	(Standard system devices)	OK	HidUsb
USB Input Device	(Standard system devices)	OK	HidUsb
USB Root Hub	(Standard USB Host)	OK	usbhub

USB Root Hub	Controller) (Standard USB Host Controller)	OK	usbhub
USB Root Hub	(Standard USB Host Controller)	OK	usbhub
USB Root Hub	(Standard USB Host Controller)	OK	usbhub
USB Root Hub	(Standard USB Host Controller)	OK	usbhub
USB Root Hub	(Standard USB Host Controller)	OK	usbhub
USB Root Hub	(Standard USB Host Controller)	OK	usbhub
USB Root Hub (xHCI)	(Standard USB HUBs)	OK	USBHUB3
Volume Manager	Microsoft	OK	volmgr
WAN Miniport (IKEv2)	Microsoft	OK	RasAgileVpn
WAN Miniport (IP)	Microsoft	OK	NdisWan
WAN Miniport (IPv6)	Microsoft	OK	NdisWan
WAN Miniport (L2TP)	Microsoft	OK	Rasl2tp
WAN Miniport (Network Monitor)	Microsoft	OK	NdisWan
WAN Miniport (PPPOE)	Microsoft	OK	RasPppoe
WAN Miniport (PPTP)	Microsoft	OK	PptpMiniport
WAN Miniport (SSTP)	Microsoft	OK	RasSstp
ZVAULT hyperv Multi-Path Disk Device	(Standard disk drives)	OK	disk
ZVAULT hyperv SCSI Disk Device	(Standard disk drives)	OK	disk
ZVAULT hyperv SCSI Disk Device	(Standard disk drives)	OK	disk
Value Not Found	Value Not Found	OK	Value Not Found

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List Running Processes

Description: List the running processes on each node.



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Gathering Running Processes for hyperv1.kerberos.dnuk.lan

Name	Path	Start Name	Process Id	WorkingSet Size	Virtual Size	Creation Date	Thread Count	Handle Count
ClassicStartMenu.exe	C:\Program Files\Classic Shell\ClassicStartMenu.exe	KERBEROS\matt	3484	8609792	98451456	10/29/2014 3:22:39 PM	1	145
CPrepSrv.exe	C:\Windows\System32\CPrepSrv.exe	KERBEROS\matt	1228	6774784	40251392	10/29/2014 4:02:16 PM	6	163
csrss.exe	Value Not Found	NT AUTHORITY\SYSTEM	3820	16240640	55779328	10/29/2014 3:22:36 PM	11	179
csrss.exe	Value Not Found	NT AUTHORITY\SYSTEM	224	3842048	46497792	10/29/2014 3:20:56 PM	12	174
csrss.exe	Value Not Found	NT AUTHORITY\SYSTEM	1084	3321856	41431040	10/29/2014 3:20:58 PM	10	92
dwm.exe	C:\Windows\system32\dwm.exe	Window Manager\DWM-2	4064	31789056	124207104	10/29/2014 3:22:37 PM	8	198
dwm.exe	C:\Windows\system32\dwm.exe	Window Manager\DWM-1	1408	25489408	92336128	10/29/2014 3:21:01 PM	6	172
explorer.exe	C:\Windows\Explorer.EXE	KERBEROS\matt	2540	84140032	461479936	10/29/2014 3:22:38 PM	46	1115
LogonUI.exe	C:\Windows\system32\LogonUI.exe	NT AUTHORITY\SYSTEM	1384	25333760	144437248	10/29/2014 3:21:01 PM	8	318
lsass.exe	C:\Windows\system32\lsass.exe	NT AUTHORITY\SYSTEM	1172	16560128	90361856	10/29/2014 3:21:00 PM	6	1052
msdtc.exe	C:\Windows\System32\msdtc.exe	NT AUTHORITY\NETWORK SERVICE	4300	6475776	44261376	10/29/2014 3:23:17 PM	9	165
rdpclip.exe	C:\Windows\System32\rdpclip.exe	KERBEROS\matt	3300	7811072	90976256	10/29/2014 3:22:38 PM	9	249
services.exe	Value Not Found	NT AUTHORITY\SYSTEM	1164	6569984	23904256	10/29/2014 3:21:00 PM	6	196
smss.exe	Value Not Found	NT AUTHORITY\SYSTEM	940	1089536	5074944	10/29/2014 3:20:51 PM	2	55
spoolsv.exe	C:\Windows\System32\spoolsv.exe	NT AUTHORITY\SYSTEM	2036	14401536	90640384	10/29/2014 3:21:05 PM	13	414
svchost.exe	C:\Windows\System32\svchost.exe	NT AUTHORITY\SYSTEM	1212	15450112	1174196224	10/29/2014 3:21:05 PM	13	344

svchost.exe	C:\Windows\System32\svchost.exe	NT AUTHORITY\NETWORK SERVICE	2776	51134464	237907968	10/29/2014 3:21:17 PM	120	850
svchost.exe	C:\Windows\system32\svchost.exe	NT AUTHORITY\NETWORK SERVICE	2880	4476928	22908928	10/29/2014 3:21:17 PM	3	111
svchost.exe	C:\Windows\system32\svchost.exe	NT AUTHORITY\NETWORK SERVICE	1652	26570752	1457680384	10/29/2014 3:21:01 PM	18	575
svchost.exe	C:\Windows\System32\svchost.exe	NT AUTHORITY\LOCAL SERVICE	1400	18071552	65114112	10/29/2014 3:21:01 PM	16	497
svchost.exe	C:\Windows\system32\svchost.exe	NT AUTHORITY\NETWORK SERVICE	1292	7344128	30720000	10/29/2014 3:21:01 PM	8	371
svchost.exe	C:\Windows\system32\svchost.exe	NT AUTHORITY\SYSTEM	1248	11739136	48762880	10/29/2014 3:21:01 PM	13	405
svchost.exe	C:\Windows\system32\svchost.exe	NT AUTHORITY\LOCAL SERVICE	1892	14241792	60903424	10/29/2014 3:21:04 PM	18	365
svchost.exe	C:\Windows\system32\svchost.exe	NT AUTHORITY\LOCAL SERVICE	1520	13897728	89817088	10/29/2014 3:21:01 PM	16	482
svchost.exe	C:\Windows\system32\svchost.exe	NT AUTHORITY\SYSTEM	1436	41553920	182108160	10/29/2014 3:21:01 PM	39	1423
System	Value Not Found	Value Not Found	4	282624	3411968	10/29/2014 3:20:51 PM	338	944
System Idle Process	Value Not Found	Value Not Found	0	4096	65536	Value Not Found	32	0
taskhost.exe	C:\Windows\system32\taskhost.exe	KERBEROS\matt	3256	6295552	85618688	10/29/2014 3:22:38 PM	4	160
vmms.exe	C:\Windows\system32\vmms.exe	NT AUTHORITY\SYSTEM	1464	21659648	142413824	10/29/2014 3:21:05 PM	14	700
wininit.exe	C:\Windows\system32\wininit.exe	NT AUTHORITY\SYSTEM	1076	3715072	43122688	10/29/2014 3:20:58 PM	1	84
winlogon.exe	C:\Windows\system32\winlogon.exe	NT AUTHORITY\SYSTEM	1132	5591040	53161984	10/29/2014 3:21:00 PM	2	126
winlogon.exe	C:\Windows\system32\winlogon.exe	NT AUTHORITY\SYSTEM	3848	5263360	51847168	10/29/2014 3:22:36 PM	2	151
WmiPrvSE.exe	C:\Windows\system32\wbem\wmiPrvse.exe	NT AUTHORITY\NETWORK SERVICE	1932	7684096	42131456	10/29/2014 4:03:44 PM	8	187
WmiPrvSE.exe	C:\Windows\system32\wbem\wmiPrvse.exe	NT AUTHORITY\SYSTEM	3524	5521408	33226752	10/29/2014 4:03:43 PM	6	124



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Gathering Running Processes for hyperv2.kerberos.dnuk.lan

Name	Path	Start Name	Process Id	WorkingSet Size	Virtual Size	Creation Date	Thread Count	Handle Co
CPrepSrv.exe	C:\Windows\System32\CPrepSrv.exe	KERBEROS\matt	3152	6754304	39456768	10/29/2014 4:02:17 PM	6	163
csrss.exe	Value Not Found	NT AUTHORITY\SYSTEM	724	3592192	46034944	10/29/2014 3:55:47 PM	12	161
csrss.exe	Value Not Found	NT AUTHORITY\SYSTEM	796	3403776	41033728	10/29/2014 3:55:50 PM	10	91
csrss.exe	Value Not Found	NT AUTHORITY\SYSTEM	2292	22069248	60747776	10/29/2014 3:59:42 PM	11	158
dwm.exe	C:\Windows\system32\dwm.exe	Window Manager\DWM-1	612	25481216	93741056	10/29/2014 3:55:53 PM	11	173
dwm.exe	C:\Windows\system32\dwm.exe	Window Manager\DWM-2	356	39772160	130555904	10/29/2014 3:59:47 PM	10	195
explorer.exe	C:\Windows\Explorer.EXE	KERBEROS\matt	1172	86052864	472682496	10/29/2014 3:59:48 PM	44	1233
LogonUI.exe	C:\Windows\system32\LogonUI.exe	NT AUTHORITY\SYSTEM	684	25718784	143802368	10/29/2014 3:55:53 PM	8	320
lsass.exe	C:\Windows\system32\lsass.exe	NT AUTHORITY\SYSTEM	880	13283328	54333440	10/29/2014 3:55:53 PM	7	1003
msdtc.exe	C:\Windows\System32\msdtc.exe	NT AUTHORITY\NETWORK SERVICE	1284	6479872	42418176	10/29/2014 3:58:09 PM	9	164
rdpclip.exe	C:\Windows\System32\rdpclip.exe	KERBEROS\matt	2804	6967296	87728128	10/29/2014 3:59:48 PM	7	233
ServerManager.exe	C:\Windows\system32\ServerManager.exe	KERBEROS\matt	3184	45125632	777633792	10/29/2014 3:59:50 PM	10	477
services.exe	Value Not Found	NT AUTHORITY\SYSTEM	872	5406720	21012480	10/29/2014 3:55:53 PM	6	190
smss.exe	Value Not Found	NT AUTHORITY\SYSTEM	564	1040384	4673536	10/29/2014 3:55:45 PM	2	55
spoolsv.exe	C:\Windows\System32\spoolsv.exe	NT AUTHORITY\SYSTEM	1516	11276288	83001344	10/29/2014 3:55:57 PM	13	417

svchost.exe	C:\Windows\system32\svchost.exe	NT AUTHORITY\NETWORK SERVICE	1124	20869120	1319829504	10/29/2014 3:55:53 PM	19	573
svchost.exe	C:\Windows\System32\svchost.exe	NT AUTHORITY\NETWORK SERVICE	2200	14159872	139468800	10/29/2014 3:56:09 PM	71	612
svchost.exe	C:\Windows\System32\svchost.exe	NT AUTHORITY\SYSTEM	1580	13537280	898666496	10/29/2014 3:55:57 PM	13	331
svchost.exe	C:\Windows\system32\svchost.exe	NT AUTHORITY\SYSTEM	968	10645504	48103424	10/29/2014 3:55:53 PM	14	413
svchost.exe	C:\Windows\System32\svchost.exe	NT AUTHORITY\LOCAL SERVICE	720	18780160	64454656	10/29/2014 3:55:53 PM	17	498
svchost.exe	C:\Windows\system32\svchost.exe	NT AUTHORITY\NETWORK SERVICE	1008	6492160	26763264	10/29/2014 3:55:53 PM	6	363
svchost.exe	C:\Windows\system32\svchost.exe	NT AUTHORITY\LOCAL SERVICE	1368	12902400	60715008	10/29/2014 3:55:56 PM	20	372
svchost.exe	C:\Windows\system32\svchost.exe	NT AUTHORITY\LOCAL SERVICE	1036	13201408	89128960	10/29/2014 3:55:53 PM	17	480
svchost.exe	C:\Windows\system32\svchost.exe	NT AUTHORITY\SYSTEM	868	48951296	515395584	10/29/2014 3:55:53 PM	49	1572
System	Value Not Found	Value Not Found	4	286720	3411968	10/29/2014 3:55:45 PM	221	916
System Idle Process	Value Not Found	Value Not Found	0	4096	65536	Value Not Found	16	0
taskhostex.exe	C:\Windows\system32\taskhostex.exe	KERBEROS\matt	2396	6131712	84406272	10/29/2014 3:59:48 PM	4	163
vmms.exe	C:\Windows\system32\vmms.exe	NT AUTHORITY\SYSTEM	1620	20549632	140550144	10/29/2014 3:55:57 PM	13	692
wininit.exe	C:\Windows\system32\wininit.exe	NT AUTHORITY\SYSTEM	788	3686400	42328064	10/29/2014 3:55:50 PM	1	85
winlogon.exe	C:\Windows\system32\winlogon.exe	NT AUTHORITY\SYSTEM	840	5349376	52367360	10/29/2014 3:55:52 PM	2	125
winlogon.exe	C:\Windows\system32\winlogon.exe	NT AUTHORITY\SYSTEM	2712	5140480	52117504	10/29/2014 3:59:42 PM	4	153
WmiPrvSE.exe	C:\Windows\system32\wbem\wmioprse.exe	NT AUTHORITY\NETWORK SERVICE	1920	7577600	41328640	10/29/2014 4:03:45 PM	8	187
WmiPrvSE.exe	C:\Windows\system32\wbem\wmioprse.exe	NT AUTHORITY\SYSTEM	1380	5824512	32432128	10/29/2014 3:55:57 PM	6	123

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List SAS Host Bus Adapters

Description: List Serial Attached SCSI (SAS) host bus adapters on each node.



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Gathering SAS Host Bus Adapter information for hyperv1.kerberos.dnuk.lan

None found...



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Gathering SAS Host Bus Adapter information for hyperv2.kerberos.dnuk.lan

None found...

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List Services Information

Description: List information about the services running on each node.



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Gathering Services Information for hyperv1.kerberos.dnuk.lan

Display Name	Name	State	Path	Type	Error Control	Start Name	Start Mode	Starte
App Readiness	AppReadiness	Stopped	C:\Windows\System32\svchost.exe -k AppReadiness	Share Process	Normal	LocalSystem	Manual	False
Application Experience	AeLookupSvc	Stopped	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	False
Application Identity	AppIDSvc	Stopped	C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT Authority\LocalService	Manual	False
Application Information	Appinfo	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	True
Application Layer Gateway Service	ALG	Stopped	C:\Windows\System32\alg.exe	Own Process	Normal	NT AUTHORITY\LocalService	Manual	False
Application Management	AppMgmt	Stopped	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False
AppX Deployment Service (AppXSVC)	AppXSvc	Stopped	C:\Windows\system32\svchost.exe -k wsappx	Share Process	Normal	LocalSystem	Manual	False
Background Intelligent Transfer Service	BITS	Running	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True
Background Tasks Infrastructure Service	BrokerInfrastructure	Running	C:\Windows\system32\svchost.exe -k DcomLaunch	Share Process	Normal	LocalSystem	Auto	True
Base Filtering Engine	BFE	Running	C:\Windows\system32\svchost.exe -k LocalServiceNoNetwork	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True
Certificate Propagation Cluster Service	CertPropSvc	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	True
ClusSvc	ClusSvc	Stopped	C:\Windows\Cluster\clusvc.exe -s	Own Process	Normal	LocalSystem	Disabled	False
CNG Key Isolation	KeyIso	Stopped	C:\Windows\system32\lsass.exe	Share Process	Normal	LocalSystem	Manual	False
COM+ Event System	EventSystem	Running	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True
COM+ System Application	COMSysApp	Stopped	C:\Windows\system32\dlhhost.exe /ProcessId:{02D4B3F1-FD88-11D1-960D-00805FC79235}	Own Process	Normal	LocalSystem	Manual	False
Computer Browser	Browser	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Disabled	False
Credential Manager	VaultSvc	Stopped	C:\Windows\system32\lsass.exe	Share Process	Normal	LocalSystem	Manual	False
Cryptographic Services	CryptSvc	Running	C:\Windows\system32\svchost.exe -k NetworkService	Share Process	Normal	NT Authority\NetworkService	Auto	True
DCOM Server Process Launcher	DcomLaunch	Running	C:\Windows\system32\svchost.exe -k DcomLaunch	Share Process	Normal	LocalSystem	Auto	True
Device Association Service	DeviceAssociationService	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Device Install Service	DeviceInstall	Stopped	C:\Windows\system32\svchost.exe -k DcomLaunch	Share Process	Normal	LocalSystem	Manual	False
Device Setup Manager	DsmSvc	Stopped	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False
DHCP Client	Dhcp	Running	C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT Authority\LocalService	Auto	True
Diagnostic Policy Service	DPS	Running	C:\Windows\System32\svchost.exe -k LocalServiceNoNetwork	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True
Diagnostic Service Host	WdiServiceHost	Stopped	C:\Windows\System32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Diagnostic System Host	WdiSystemHost	Stopped	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Distributed Link Tracking Client	TrkWks	Running	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Auto	True
Distributed Transaction Coordinator	MSDTC	Running	C:\Windows\System32\msdtc.exe	Own Process	Normal	NT AUTHORITY\NetworkService	Auto	True
DNS Client	Dnscache	Running	C:\Windows\system32\svchost.exe -k NetworkService	Share Process	Normal	NT AUTHORITY\NetworkService	Auto	True
Encrypting File System (EFS)	EFS	Stopped	C:\Windows\System32\lsass.exe	Share Process	Normal	LocalSystem	Manual	False
Extensible Authentication Protocol	Eaphost	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	False
Function Discovery Provider Host	fdPHost	Stopped	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False

Function Discovery Resource Publication	FDRResPub	Stopped	C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Group Policy Client	gpsvc	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True
Health Key and Certificate Management	hkmsvc	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	False
Human Interface Device Service	hidserv	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Hyper-V Data Exchange Service	vmickvpexchange	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Hyper-V Guest Service Interface	vmicguestinterface	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Hyper-V Guest Shutdown Service	vmicshutdown	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Hyper-V Heartbeat Service	vmicheartbeat	Stopped	C:\Windows\system32\svchost.exe -k ICService	Share Process	Normal	LocalSystem	Manual	False
Hyper-V Remote Desktop Virtualization Service	vmicrdv	Stopped	C:\Windows\system32\svchost.exe -k ICService	Share Process	Normal	LocalSystem	Manual	False
Hyper-V Time Synchronization Service	vmictimesync	Stopped	C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Hyper-V Virtual Machine Management	vmms	Running	C:\Windows\system32\vmms.exe	Own Process	Normal	LocalSystem	Auto	True
Hyper-V Volume Shadow Copy Requestor	vmicvss	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
IKE and AuthIP IPsec Keying Modules	IKEEXT	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True
Interactive Services Detection	UI0Detect	Stopped	C:\Windows\system32\UI0Detect.exe	Own Process	Normal	LocalSystem	Manual	False
Internet Connection Sharing (ICS)	SharedAccess	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Disabled	False
Internet Explorer ETW Collector Service	IEEtwCollectorService	Stopped	C:\Windows\system32\IEEtwCollector.exe /V	Own Process	Normal	LocalSystem	Manual	False
IP Helper	iphlpvc	Running	C:\Windows\System32\svchost.exe -k NetSvcs	Share Process	Normal	LocalSystem	Auto	True
IPsec Policy Agent	PolicyAgent	Running	C:\Windows\system32\svchost.exe -k NetworkServiceNetworkRestricted	Share Process	Normal	NT Authority\NetworkService	Manual	True
KDC Proxy Server service (KPS)	KPSSVC	Stopped	C:\Windows\system32\svchost.exe -k KpsSvcGroup	Share Process	Normal	NT AUTHORITY\NetworkService	Manual	False
KtmRm for Distributed Transaction Coordinator	KtmRm	Stopped	C:\Windows\System32\svchost.exe -k NetworkServiceAndNoImpersonation	Share Process	Normal	NT AUTHORITY\NetworkService	Manual	False
Link-Layer Topology Discovery Mapper	lltdsvc	Stopped	C:\Windows\System32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Local Session Manager	LSM	Running	C:\Windows\system32\svchost.exe -k DcomLaunch	Share Process	Normal	LocalSystem	Auto	True
Microsoft iSCSI Initiator Service	MSiSCSI	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True
Microsoft Software Shadow Copy Provider	swprv	Stopped	C:\Windows\System32\svchost.exe -k swprv	Own Process	Normal	LocalSystem	Manual	False
Microsoft Storage Spaces SMP	smphost	Stopped	C:\Windows\System32\svchost.exe -k smphost	Own Process	Normal	NT AUTHORITY\NetworkService	Manual	False
Multimedia Class Scheduler	MMCSS	Stopped	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False
Net.Tcp Port Sharing Service	NetTcpPortSharing	Stopped	C:\Windows\Microsoft.NET\Framework64\v4.0.30319\SMSvcHost.exe	Share Process	Normal	NT AUTHORITY\LocalService	Disabled	False
Netlogon	Netlogon	Running	C:\Windows\system32\sass.exe	Share Process	Normal	LocalSystem	Auto	True
Network Access Protection Agent	napagent	Stopped	C:\Windows\System32\svchost.exe -k NetworkService	Share Process	Normal	NT AUTHORITY\NetworkService	Manual	False

Network Connections	Netman	Stopped	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Network Connectivity Assistant	NcaSvc	Stopped	C:\Windows\System32\svchost.exe -k NetSvcs	Share Process	Normal	LocalSystem	Manual	False
Network List Service	netprofm	Running	C:\Windows\System32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	True
Network Location Awareness	NlaSvc	Running	C:\Windows\System32\svchost.exe -k NetworkService	Share Process	Normal	NT AUTHORITY\NetworkService	Auto	True
Network Store Interface Service	nsi	Running	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT Authority\LocalService	Auto	True
Optimize drives	defragsvc	Stopped	C:\Windows\system32\svchost.exe -k defragsvc	Own Process	Normal	localSystem	Manual	False
Performance Counter DLL Host	PerfHost	Stopped	C:\Windows\SysWow64\perfhst.exe	Own Process	Normal	NT AUTHORITY\LocalService	Manual	False
Performance Logs & Alerts	pla	Stopped	C:\Windows\System32\svchost.exe -k LocalServiceNoNetwork	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Plug and Play	PlugPlay	Running	C:\Windows\system32\svchost.exe -k DcomLaunch	Share Process	Normal	LocalSystem	Manual	True
Portable Device Enumerator Service	WPDBusEnum	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Power	Power	Running	C:\Windows\system32\svchost.exe -k DcomLaunch	Share Process	Normal	LocalSystem	Auto	True
Print Spooler	Spooler	Running	C:\Windows\System32\spoolsv.exe	Own Process	Normal	LocalSystem	Auto	True
Printer Extensions and Notifications	PrintNotify	Stopped	C:\Windows\system32\svchost.exe -k print	Share Process	Normal	LocalSystem	Manual	False
Problem Reports and Solutions Control Panel Support	wercplsupport	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	False
Remote Access Auto Connection Manager	RasAuto	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	False
Remote Access Connection Manager	RasMan	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	False
Remote Desktop Configuration	SessionEnv	Running	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	True
Remote Desktop Services	TermService	Running	C:\Windows\System32\svchost.exe -k termsvcs	Share Process	Normal	NT Authority\NetworkService	Manual	True
Remote Desktop Services UserMode Port Redirector	UmRdpService	Running	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	localSystem	Manual	True
Remote Procedure Call (RPC)	RpcSs	Running	C:\Windows\system32\svchost.exe -k rpcss	Share Process	Normal	NT AUTHORITY\NetworkService	Auto	True
Remote Procedure Call (RPC) Locator	RpcLocator	Stopped	C:\Windows\system32\locator.exe	Own Process	Normal	NT AUTHORITY\NetworkService	Manual	False
Remote Registry	RemoteRegistry	Running	C:\Windows\system32\svchost.exe -k localService	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True
Resultant Set of Policy Provider	RSOPProv	Stopped	C:\Windows\system32\RSOPProv.exe	Share Process	Normal	LocalSystem	Manual	False
Routing and Remote Access	RemoteAccess	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Disabled	False
RPC Endpoint Mapper	RpcEptMapper	Running	C:\Windows\system32\svchost.exe -k RPCSS	Share Process	Normal	NT AUTHORITY\NetworkService	Auto	True
Secondary Logon	seclogon	Stopped	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False
Secure Socket Tunneling Protocol Service	SstpSvc	Stopped	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT Authority\LocalService	Manual	False
Security Accounts Manager	SamSs	Running	C:\Windows\system32\lsass.exe	Share Process	Normal	LocalSystem	Auto	True
Server	LanmanServer	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True
Shell Hardware Detection	ShellHWDetection	Running	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Ignore	LocalSystem	Auto	True
Smart Card	SCardSvr	Stopped	C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation	Share Process	Normal	NT AUTHORITY\LocalService	Disabled	False
Smart Card Device	ScDeviceEnum	Running	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	True

Enumeration Service									
Smart Card Removal Policy	SCPPolicySvc	Stopped	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False	
SMB Witness	SmbWitness	Stopped	C:\Windows\System32\svchost.exe -k SmbWitness	Own Process	Normal	LocalSystem	Manual	False	
SNMP Trap	SNMPTRAP	Stopped	C:\Windows\System32\snmptrap.exe	Own Process	Normal	NT AUTHORITY\LocalService	Manual	False	
Software Protection	sppsvc	Stopped	C:\Windows\system32\sppsvc.exe	Own Process	Normal	NT AUTHORITY\NetworkService	Auto	False	
Special Administration Console Helper	sacsrv	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False	
Spot Verifier	svsvc	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False	
SSDP Discovery	SSDPSRV	Stopped	C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation	Share Process	Normal	NT AUTHORITY\LocalService	Disabled	False	
Storage Tiers Management	TieringEngineService	Stopped	C:\Windows\system32\TieringEngineService.exe	Own Process	Normal	localSystem	Manual	False	
Superfetch	SysMain	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Ignore	LocalSystem	Manual	False	
System Event Notification Service	SENS	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True	
System Events Broker	SystemEventsBroker	Running	C:\Windows\system32\svchost.exe -k DcomLaunch	Share Process	Normal	LocalSystem	Auto	True	
Task Scheduler	Schedule	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True	
TCP/IP NetBIOS Helper	lmhosts	Running	C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True	
Telephony	TapiSrv	Stopped	C:\Windows\System32\svchost.exe -k tapisrv	Own Process	Normal	NT AUTHORITY\NetworkService	Manual	False	
Themes	Themes	Running	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True	
Thread Ordering Server	THREADORDER	Stopped	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False	
UPnP Device Host	upnphost	Stopped	C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation	Share Process	Normal	NT AUTHORITY\LocalService	Disabled	False	
User Access Logging Service	UALSVC	Running	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Auto	True	
User Profile Service	ProfSvc	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True	
Virtual Disk	vds	Stopped	C:\Windows\System32\vds.exe	Own Process	Normal	LocalSystem	Manual	False	
Volume Shadow Copy	VSS	Stopped	C:\Windows\system32\vssvc.exe	Own Process	Normal	LocalSystem	Manual	False	
Windows Audio	Audiosrv	Stopped	C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False	
Windows Audio Endpoint Builder	AudioEndpointBuilder	Stopped	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False	
Windows Color System	WcsPlugInService	Stopped	C:\Windows\system32\svchost.exe -k wcssvc	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False	
Windows Connection Manager	WcmSvc	Running	C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT Authority\LocalService	Auto	True	
Windows Driver Foundation - User-mode Driver Framework	wudfsvc	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False	
Windows Encryption Provider Host Service	WEHOSTSVC	Stopped	C:\Windows\system32\svchost.exe -k WepHostSvcGroup	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False	
Windows Error Reporting Service	WerSvc	Stopped	C:\Windows\System32\svchost.exe -k WerSvcGroup	Own Process	Ignore	localSystem	Manual	False	
Windows Event Collector	Wecsvc	Stopped	C:\Windows\system32\svchost.exe -k NetworkService	Share Process	Normal	NT AUTHORITY\NetworkService	Manual	False	
Windows Event Log	EventLog	Running	C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True	
Windows Firewall	MpsSvc	Running	C:\Windows\system32\svchost.exe -k LocalServiceNoNetwork	Share Process	Normal	NT Authority\LocalService	Auto	True	
Windows Font Cache Service	FontCache	Running	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True	
Windows Installer	msiserver	Stopped	C:\Windows\system32\msiexec.exe /V	Own Process	Normal	LocalSystem	Manual	False	
Windows Management Instrumentation	Winmgmt	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Ignore	localSystem	Auto	True	
Windows Modules Installer	TrustedInstaller	Stopped	C:\Windows\servicing\TrustedInstaller.exe	Own Process	Normal	localSystem	Manual	False	

Windows Remote Management (WS-Management)	WinRM	Running	C:\Windows\System32\svchost.exe -k NetworkService	Share Process	Normal	NT AUTHORITY\NetworkService	Auto	True
Windows Store Service (WSService)	WSService	Stopped	C:\Windows\System32\svchost.exe -k wsappx	Share Process	Normal	LocalSystem	Manual	False
Windows Time	W32Time	Running	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	True
Windows Update	wuauerv	Stopped	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False
WinHTTP Web Proxy Auto-Discovery Service	WinHttpAutoProxySvc	Running	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	True
Wired AutoConfig	dot3svc	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	localSystem	Manual	False
WMI Performance Adapter	wmiApSrv	Stopped	C:\Windows\system32\wbem\WmiApSrv.exe	Own Process	Normal	localSystem	Manual	False
Workstation	LanmanWorkstation	Running	C:\Windows\System32\svchost.exe -k NetworkService	Share Process	Normal	NT AUTHORITY\NetworkService	Auto	True



hyperv2.kerberos.dnuk.lan

Gathering Services Information for hyperv2.kerberos.dnuk.lan

Display Name	Name	State	Path	Type	Error Control	Start Name	Start Mode	Starte
App Readiness	AppReadiness	Stopped	C:\Windows\System32\svchost.exe -k AppReadiness	Share Process	Normal	LocalSystem	Manual	False
Application Experience	AeLookupSvc	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	True
Application Identity	AppIDSvc	Stopped	C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT Authority\LocalService	Manual	False
Application Information	Appinfo	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	True
Application Layer Gateway Service	ALG	Stopped	C:\Windows\System32\alg.exe	Own Process	Normal	NT AUTHORITY\LocalService	Manual	False
Application Management	AppMgmt	Stopped	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False
AppX Deployment Service (AppXSVC)	AppXSvc	Stopped	C:\Windows\system32\svchost.exe -k wsappx	Share Process	Normal	LocalSystem	Manual	False
Background Intelligent Transfer Service	BITS	Running	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True
Background Tasks Infrastructure Service	BrokerInfrastructure	Running	C:\Windows\system32\svchost.exe -k DcomLaunch	Share Process	Normal	LocalSystem	Auto	True
Base Filtering Engine	BFE	Running	C:\Windows\system32\svchost.exe -k LocalServiceNoNetwork	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True
Certificate Propagation	CertPropSvc	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	True
Cluster Service	ClusSvc	Stopped	C:\Windows\Cluster\clusvc.exe -s	Own Process	Normal	LocalSystem	Disabled	False
CNG Key Isolation	KeyIso	Stopped	C:\Windows\system32\lsass.exe	Share Process	Normal	LocalSystem	Manual	False
COM+ Event System	EventSystem	Running	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True
COM+ System Application	COMSysApp	Stopped	C:\Windows\system32\dlhhost.exe /Processid:{02D4B3F1-FD88-11D1-960D-00805FC79235}	Own Process	Normal	LocalSystem	Manual	False
Computer Browser	Browser	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Disabled	False
Credential Manager	VaultSvc	Stopped	C:\Windows\system32\lsass.exe	Share Process	Normal	LocalSystem	Manual	False
Cryptographic Services	CryptSvc	Running	C:\Windows\system32\svchost.exe -k NetworkService	Share Process	Normal	NT Authority\NetworkService	Auto	True
DCOM Server Process Launcher	DcomLaunch	Running	C:\Windows\system32\svchost.exe -k DcomLaunch	Share Process	Normal	LocalSystem	Auto	True
Device Association Service	DeviceAssociationService	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Device Install	DeviceInstall	Stopped	C:\Windows\system32\svchost.exe -k	Share Process	Normal	LocalSystem	Manual	False

Service	Process	State	Path	Process	Priority	Identity	Start	Restart
Device Setup Manager	DsmSvc	Stopped	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False
DHCP Client	Dhcp	Running	C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT Authority\LocalService	Auto	True
Diagnostic Policy Service	DPS	Running	C:\Windows\System32\svchost.exe -k LocalServiceNoNetwork	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True
Diagnostic Service Host	WdiServiceHost	Stopped	C:\Windows\System32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Diagnostic System Host	WdiSystemHost	Stopped	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Distributed Link Tracking Client	TrkWks	Running	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Auto	True
Distributed Transaction Coordinator	MSDTC	Running	C:\Windows\System32\msdtc.exe	Own Process	Normal	NT AUTHORITY\NetworkService	Auto	True
DNS Client	Dnscache	Running	C:\Windows\system32\svchost.exe -k NetworkService	Share Process	Normal	NT AUTHORITY\NetworkService	Auto	True
Encrypting File System (EFS)	EFS	Stopped	C:\Windows\System32\lsass.exe	Share Process	Normal	LocalSystem	Manual	False
Extensible Authentication Protocol	Eaphost	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	False
Function Discovery Provider Host	fdPHost	Stopped	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Function Discovery Resource Publication	FDResPub	Stopped	C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Group Policy Client	gpsvc	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True
Health Key and Certificate Management	hkmsvc	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	False
Human Interface Device Service	hidserv	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Hyper-V Data Exchange Service	vmickvpxexchange	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Hyper-V Guest Service Interface	vmicguestinterface	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Hyper-V Guest Shutdown Service	vmicshutdown	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Hyper-V Heartbeat Service	vmicheartbeat	Stopped	C:\Windows\system32\svchost.exe -k ICService	Share Process	Normal	LocalSystem	Manual	False
Hyper-V Remote Desktop Virtualization Service	vmicrdv	Stopped	C:\Windows\system32\svchost.exe -k ICService	Share Process	Normal	LocalSystem	Manual	False
Hyper-V Time Synchronization Service	vmictimesync	Stopped	C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Hyper-V Virtual Machine Management	vmms	Running	C:\Windows\system32\vmms.exe	Own Process	Normal	LocalSystem	Auto	True
Hyper-V Volume Shadow Copy Requestor	vmicvss	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
IKE and AuthIP IPsec Keying Modules	IKEEXT	Stopped	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False
Interactive Services Detection	UI0Detect	Stopped	C:\Windows\system32\UI0Detect.exe	Own Process	Normal	LocalSystem	Manual	False
Internet Connection Sharing (ICS)	SharedAccess	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Disabled	False
Internet Explorer ETW Collector Service	IEEtwCollectorService	Stopped	C:\Windows\system32\IEEtwCollector.exe /V	Own Process	Normal	LocalSystem	Manual	False
IP Helper	iphlpvc	Running	C:\Windows\System32\svchost.exe -k NetSvcs	Share Process	Normal	LocalSystem	Auto	True
IPsec Policy Agent	PolicyAgent	Stopped	C:\Windows\system32\svchost.exe -k NetworkServiceNetworkRestricted	Share Process	Normal	NT Authority\NetworkService	Manual	False
KDC Proxy Server service (KPS)	KPSSVC	Stopped	C:\Windows\system32\svchost.exe -k KpsSvcGroup	Share Process	Normal	NT AUTHORITY\NetworkService	Manual	False
KtmRm for	KtmRm	Stopped	C:\Windows\System32\svchost.exe -k	Share	Normal	NT	Manual	False

Distributed Transaction Coordinator			NetworkServiceAndNoImpersonation	Process		AUTHORITY\NetworkService		
Link-Layer Topology Discovery Mapper	lltdsvc	Stopped	C:\Windows\System32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Local Session Manager	LSM	Running	C:\Windows\system32\svchost.exe -k DcomLaunch	Share Process	Normal	LocalSystem	Auto	True
Microsoft iSCSI Initiator Service	MSISCSI	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True
Microsoft Software Shadow Copy Provider	swprv	Stopped	C:\Windows\System32\svchost.exe -k swprv	Own Process	Normal	LocalSystem	Manual	False
Microsoft Storage Spaces SMP	smphost	Stopped	C:\Windows\System32\svchost.exe -k smphost	Own Process	Normal	NT AUTHORITY\NetworkService	Manual	False
Multimedia Class Scheduler	MMCSS	Stopped	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False
Net.Tcp Port Sharing Service	NetTcpPortSharing	Stopped	C:\Windows\Microsoft.NET\Framework64\v4.0.30319\SMSvcHost.exe	Share Process	Normal	NT AUTHORITY\LocalService	Disabled	False
Netlogon	Netlogon	Running	C:\Windows\system32\lsass.exe	Share Process	Normal	LocalSystem	Auto	True
Network Access Protection Agent	napagent	Stopped	C:\Windows\System32\svchost.exe -k NetworkService	Share Process	Normal	NT AUTHORITY\NetworkService	Manual	False
Network Connections	Netman	Stopped	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Network Connectivity Assistant	NcaSvc	Stopped	C:\Windows\System32\svchost.exe -k NetSvcs	Share Process	Normal	LocalSystem	Manual	False
Network List Service	netprofm	Running	C:\Windows\System32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	True
Network Location Awareness	NlaSvc	Running	C:\Windows\System32\svchost.exe -k NetworkService	Share Process	Normal	NT AUTHORITY\NetworkService	Auto	True
Network Store Interface Service	nsi	Running	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT Authority\LocalService	Auto	True
Optimize drives	defragsvc	Stopped	C:\Windows\system32\svchost.exe -k defragsvc	Own Process	Normal	localSystem	Manual	False
Performance Counter DLL Host	PerfHost	Stopped	C:\Windows\SysWow64\perfhost.exe	Own Process	Normal	NT AUTHORITY\LocalService	Manual	False
Performance Logs & Alerts Plug and Play	pla	Stopped	C:\Windows\System32\svchost.exe -k LocalServiceNoNetwork	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Portable Device Enumerator Service	WPDBusEnum	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Power	Power	Running	C:\Windows\system32\svchost.exe -k DcomLaunch	Share Process	Normal	LocalSystem	Auto	True
Print Spooler	Spooler	Running	C:\Windows\System32\spoolsv.exe	Own Process	Normal	LocalSystem	Auto	True
Printer Extensions and Notifications	PrintNotify	Stopped	C:\Windows\system32\svchost.exe -k print	Share Process	Normal	LocalSystem	Manual	False
Problem Reports and Solutions Control Panel Support	wercplsupport	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	False
Remote Access Auto Connection Manager	RasAuto	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	False
Remote Access Connection Manager	RasMan	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	False
Remote Desktop Configuration	SessionEnv	Running	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Manual	True
Remote Desktop Services	TermService	Running	C:\Windows\System32\svchost.exe -k termsvcs	Share Process	Normal	NT Authority\NetworkService	Manual	True
Remote Desktop Services UserMode Port Redirector	UmRdpService	Running	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	localSystem	Manual	True
Remote Procedure Call (RPC)	RpcSs	Running	C:\Windows\system32\svchost.exe -k rpcss	Share Process	Normal	NT AUTHORITY\NetworkService	Auto	True

Remote Procedure Call (RPC) Locator	RpcLocator	Stopped	C:\Windows\system32\locator.exe	Own Process	Normal	NT AUTHORITY\NetworkService	Manual	False
Remote Registry	RemoteRegistry	Running	C:\Windows\system32\svchost.exe -k localService	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True
Resultant Set of Policy Provider	RSOProv	Stopped	C:\Windows\system32\RSOProv.exe	Share Process	Normal	LocalSystem	Manual	False
Routing and Remote Access	RemoteAccess	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	localSystem	Disabled	False
RPC Endpoint Mapper	RpcEptMapper	Running	C:\Windows\system32\svchost.exe -k RPCSS	Share Process	Normal	NT AUTHORITY\NetworkService	Auto	True
Secondary Logon	seclogon	Stopped	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False
Secure Socket Tunneling Protocol Service	SstpSvc	Stopped	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT Authority\LocalService	Manual	False
Security Accounts Manager	SamSs	Running	C:\Windows\system32\lsass.exe	Share Process	Normal	LocalSystem	Auto	True
Server	LanmanServer	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True
Shell Hardware Detection	ShellHWDetection	Running	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Ignore	LocalSystem	Auto	True
Smart Card	SCardSvr	Stopped	C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation	Share Process	Normal	NT AUTHORITY\LocalService	Disabled	False
Smart Card Device Enumeration Service	ScDeviceEnum	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Smart Card Removal Policy	SCPolicySvc	Stopped	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False
SMB Witness	SmbWitness	Stopped	C:\Windows\System32\svchost.exe -k SmbWitness	Own Process	Normal	LocalSystem	Manual	False
SNMP Trap	SNMPTRAP	Stopped	C:\Windows\System32\snmptrap.exe	Own Process	Normal	NT AUTHORITY\LocalService	Manual	False
Software Protection	sppsvc	Stopped	C:\Windows\system32\sppsvc.exe	Own Process	Normal	NT AUTHORITY\NetworkService	Auto	False
Special Administration Console Helper	sacsvr	Stopped	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	False
Spot Verifier	svsvc	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
SSDP Discovery	SSDPSRV	Stopped	C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation	Share Process	Normal	NT AUTHORITY\LocalService	Disabled	False
Storage Tiers Management	TieringEngineService	Stopped	C:\Windows\system32\TieringEngineService.exe	Own Process	Normal	localSystem	Manual	False
Superfetch	SysMain	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Ignore	LocalSystem	Manual	False
System Event Notification Service	SENS	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True
System Events Broker	SystemEventsBroker	Running	C:\Windows\system32\svchost.exe -k DcomLaunch	Share Process	Normal	LocalSystem	Auto	True
Task Scheduler	Schedule	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True
TCP/IP NetBIOS Helper	lmhosts	Running	C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True
Telephony	TapiSrv	Stopped	C:\Windows\System32\svchost.exe -k tapisrv	Own Process	Normal	NT AUTHORITY\NetworkService	Manual	False
Themes	Themes	Running	C:\Windows\System32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True
Thread Ordering Server	THREADORDER	Stopped	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
UPnP Device Host	upnphost	Stopped	C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation	Share Process	Normal	NT AUTHORITY\LocalService	Disabled	False
User Access Logging Service	UALSVC	Running	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Auto	True
User Profile Service	ProfSvc	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Auto	True
Virtual Disk	vds	Stopped	C:\Windows\System32\vds.exe	Own Process	Normal	LocalSystem	Manual	False
Volume Shadow Copy	VSS	Stopped	C:\Windows\system32\vssvc.exe	Own Process	Normal	LocalSystem	Manual	False
Windows Audio	Audiosrv	Stopped	C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Windows Audio Endpoint Builder	AudioEndpointBuilder	Stopped	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Windows Color System	WcsPlugInService	Stopped	C:\Windows\system32\svchost.exe -k wcssvc	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Windows Connection Manager	WcmSvc	Running	C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT Authority\LocalService	Auto	True

Windows Driver Foundation - User-mode Driver Framework	wudfsvc	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	LocalSystem	Manual	False
Windows Encryption Provider Host Service	WEPHOSTSVC	Stopped	C:\Windows\system32\svchost.exe -k WepHostSvcGroup	Share Process	Normal	NT AUTHORITY\LocalService	Manual	False
Windows Error Reporting Service	WerSvc	Stopped	C:\Windows\System32\svchost.exe -k WerSvcGroup	Own Process	Ignore	localSystem	Manual	False
Windows Event Collector	Wecsvc	Stopped	C:\Windows\system32\svchost.exe -k NetworkService	Share Process	Normal	NT AUTHORITY\NetworkService	Manual	False
Windows Event Log	EventLog	Running	C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True
Windows Firewall	MpsSvc	Running	C:\Windows\system32\svchost.exe -k LocalServiceNoNetwork	Share Process	Normal	NT Authority\LocalService	Auto	True
Windows Font Cache Service	FontCache	Running	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Auto	True
Windows Installer	msiserver	Stopped	C:\Windows\system32\msiexec.exe /V	Own Process	Normal	LocalSystem	Manual	False
Windows Management Instrumentation	Winmgmt	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Ignore	localSystem	Auto	True
Windows Modules Installer	TrustedInstaller	Stopped	C:\Windows\servicing\TrustedInstaller.exe	Own Process	Normal	localSystem	Manual	False
Windows Remote Management (WS-Management)	WinRM	Running	C:\Windows\System32\svchost.exe -k NetworkService	Share Process	Normal	NT AUTHORITY\NetworkService	Auto	True
Windows Store Service (WSService)	WSService	Stopped	C:\Windows\System32\svchost.exe -k wsappx	Share Process	Normal	LocalSystem	Manual	False
Windows Time	W32Time	Running	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	True
Windows Update	wuauerv	Running	C:\Windows\system32\svchost.exe -k netsvcs	Share Process	Normal	LocalSystem	Manual	True
WinHTTP Web Proxy Auto-Discovery Service	WinHttpAutoProxySvc	Running	C:\Windows\system32\svchost.exe -k LocalService	Share Process	Normal	NT AUTHORITY\LocalService	Manual	True
Wired AutoConfig	dot3svc	Stopped	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted	Share Process	Normal	localSystem	Manual	False
WMI Performance Adapter	wmiApSrv	Stopped	C:\Windows\system32\wbem\WmiApSrv.exe	Own Process	Normal	localSystem	Manual	False
Workstation	LanmanWorkstation	Running	C:\Windows\System32\svchost.exe -k NetworkService	Share Process	Normal	NT AUTHORITY\NetworkService	Auto	True

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List Software Updates

Description: List software updates that have been applied on each node.



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KB Article	Title	Support	Security Bulletins
2894856	Security Update for Microsoft .NET Framework 4.5.1 on Windows 8.1 and Windows Server 2012 R2 for x64-based Systems (KB2894856)	http://support.microsoft.com	
2896496	Rules Update for Direct Access Best Practice Analyzer for Windows Server 2012 R2 (KB2896496)	http://support.microsoft.com	
2918614	Security Update for Windows Server 2012 R2 (KB2918614)	http://support.microsoft.com	MS14-049
2919355	Windows Server 2012 R2 Update (KB2919355)	http://support.microsoft.com	MS14-018
2920189	Security Update for Windows Server 2012 R2 (KB2920189)	http://support.microsoft.com	
2926765	Security Update for Windows Server 2012 R2 (KB2926765)	http://support.microsoft.com	MS14-027
2931366	Security Update for Microsoft .NET Framework 4.5.1 on Windows 8.1 and Windows Server 2012 R2 for x64-based Systems (KB2931366)	http://support.microsoft.com	MS14-026
2938066	Update for Windows Server 2012 R2 (KB2938066)	http://support.microsoft.com	
2939087	Update for Windows Server 2012 R2 (KB2939087)	http://support.microsoft.com	
2939576	Security Update for Windows Server 2012 R2 (KB2939576)	http://support.microsoft.com	MS14-033

2950153	Update for Windows Server 2012 R2 (KB2950153)	http://support.microsoft.com
2954879	Update for .NET Native on Windows 8.1 and Windows Server 2012 R2 for x64-based Systems (KB2954879)	http://support.microsoft.com
2955164	Update for Windows Server 2012 R2 (KB2955164)	http://support.microsoft.com
2956575	Update for Windows Server 2012 R2 (KB2956575)	http://support.microsoft.com
2957189	Security Update for Windows Server 2012 R2 (KB2957189)	http://support.microsoft.com MS14-031
2958262	Update for Windows Server 2012 R2 (KB2958262)	http://support.microsoft.com
2959626	Update for Windows Server 2012 R2 (KB2959626)	http://support.microsoft.com
2961072	Security Update for Windows Server 2012 R2 (KB2961072)	http://support.microsoft.com MS14-040
2962409	Update for Windows Server 2012 R2 (KB2962409)	http://support.microsoft.com
2964718	Security Update for Windows Server 2012 R2 (KB2964718)	http://support.microsoft.com MS14-036
2965788	Security Update for Windows Server 2012 R2 (KB2965788)	http://support.microsoft.com MS14-030
2967917	Update for Windows Server 2012 R2 (KB2967917)	http://support.microsoft.com
2971203	Update for Windows Server 2012 R2 (KB2971203)	http://support.microsoft.com
2973201	Security Update for Windows Server 2012 R2 (KB2973201)	http://support.microsoft.com MS14-039
2973351	Security Update for Windows Server 2012 R2 (KB2973351)	http://support.microsoft.com
2975719	Update for Windows Server 2012 R2 (KB2975719)	http://support.microsoft.com
2976627	Cumulative Security Update for Internet Explorer 11 for Windows Server 2012 R2 (KB2976627)	http://support.microsoft.com MS14-051
2976897	Security Update for Windows Server 2012 R2 (KB2976897)	http://support.microsoft.com MS14-045
2977292	Security Update for Windows Server 2012 R2 (KB2977292)	http://support.microsoft.com
2977765	Security Update for Microsoft .NET Framework 4.5.1 and 4.5.2 on Windows 8.1 and Windows Server 2012 R2 x64-based Systems (KB2977765)	http://support.microsoft.com MS14-053
2978041	Security Update for Microsoft .NET Framework 4.5.1 and 4.5.2 on Windows 8.1 and Windows Server 2012 R2 x64-based Systems (KB2978041)	http://support.microsoft.com MS14-057
2978668	Security Update for Windows Server 2012 R2 (KB2978668)	http://support.microsoft.com MS14-047
2979576	Security Update for Microsoft .NET Framework 4.5.1 and 4.5.2 on Windows 8.1 and Windows Server 2012 R2 x64-based Systems (KB2979576)	http://support.microsoft.com MS14-057
2981580	Update for Windows Server 2012 R2 (KB2981580)	http://support.microsoft.com
2984006	Update for Windows Server 2012 R2 (KB2984006)	http://support.microsoft.com
2987107	Cumulative Security Update for Internet Explorer 11 for Windows Server 2012 R2 (KB2987107)	http://support.microsoft.com MS14-056
2988948	Security Update for Windows Server 2012 R2 (KB2988948)	http://support.microsoft.com MS14-054
2989542	Update for Windows Server 2012 R2 (KB2989542)	http://support.microsoft.com
2989647	Update for Windows Server 2012 R2 (KB2989647)	http://support.microsoft.com
2993651	Security Update for Windows Server 2012 R2 (KB2993651)	http://support.microsoft.com MS14-045
2995388	Update for Windows Server 2012 R2 (KB2995388)	http://support.microsoft.com
2998174	Update for Windows Server 2012 R2 (KB2998174)	http://support.microsoft.com
2998527	Update for Windows Server 2012 R2 (KB2998527)	http://support.microsoft.com
3000061	Security Update for Windows Server 2012 R2 (KB3000061)	http://support.microsoft.com MS14-058
3000869	Security Update for Windows Server 2012 R2 (KB3000869)	http://support.microsoft.com MS14-060
3000988	Update for Windows Server 2012 R2 (KB3000988)	http://support.microsoft.com
3005628	Update for Microsoft .NET Framework 3.5 for x64-based Systems (KB3005628)	http://support.microsoft.com
890830	Windows Malicious Software Removal Tool for Windows 8, 8.1 and Windows Server 2012, 2012 R2 x64 Edition - October 2014 (KB890830)	http://support.microsoft.com



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KB Article	Title	Support	Security Bulletins
2894856	Security Update for Microsoft .NET Framework 4.5.1 on Windows 8.1 and Windows Server 2012 R2 for x64-based Systems (KB2894856)	http://support.microsoft.com	
2896496	Rules Update for Direct Access Best Practice Analyzer for Windows Server 2012 R2 (KB2896496)	http://support.microsoft.com	
2918614	Security Update for Windows Server 2012 R2 (KB2918614)	http://support.microsoft.com	MS14-049
2919355	Windows Server 2012 R2 Update (KB2919355)	http://support.microsoft.com	MS14-018
2920189	Security Update for Windows Server 2012 R2 (KB2920189)	http://support.microsoft.com	
2926765	Security Update for Windows Server 2012 R2 (KB2926765)	http://support.microsoft.com	MS14-027
2931366	Security Update for Microsoft .NET Framework 4.5.1 on Windows 8.1 and Windows Server 2012 R2 for x64-based Systems (KB2931366)	http://support.microsoft.com	MS14-026
2938066	Update for Windows Server 2012 R2 (KB2938066)	http://support.microsoft.com	
2939087	Update for Windows Server 2012 R2 (KB2939087)	http://support.microsoft.com	
2939576	Security Update for Windows Server 2012 R2 (KB2939576)	http://support.microsoft.com	MS14-033
2950153	Update for Windows Server 2012 R2 (KB2950153)	http://support.microsoft.com	
2954879	Update for .NET Native on Windows 8.1 and Windows Server 2012 R2 for x64-based Systems (KB2954879)	http://support.microsoft.com	
2955164	Update for Windows Server 2012 R2 (KB2955164)	http://support.microsoft.com	
2956575	Update for Windows Server 2012 R2 (KB2956575)	http://support.microsoft.com	
2957189	Security Update for Windows Server 2012 R2 (KB2957189)	http://support.microsoft.com	MS14-031
2958262	Update for Windows Server 2012 R2 (KB2958262)	http://support.microsoft.com	
2959626	Update for Windows Server 2012 R2 (KB2959626)	http://support.microsoft.com	
2961072	Security Update for Windows Server 2012 R2 (KB2961072)	http://support.microsoft.com	MS14-040
2962409	Update for Windows Server 2012 R2 (KB2962409)	http://support.microsoft.com	

2964718	Security Update for Windows Server 2012 R2 (KB2964718)	http://support.microsoft.com	MS14-036
2965788	Security Update for Windows Server 2012 R2 (KB2965788)	http://support.microsoft.com	MS14-030
2967917	Update for Windows Server 2012 R2 (KB2967917)	http://support.microsoft.com	
2971203	Update for Windows Server 2012 R2 (KB2971203)	http://support.microsoft.com	
2973201	Security Update for Windows Server 2012 R2 (KB2973201)	http://support.microsoft.com	MS14-039
2973351	Security Update for Windows Server 2012 R2 (KB2973351)	http://support.microsoft.com	
2975719	Update for Windows Server 2012 R2 (KB2975719)	http://support.microsoft.com	
2976627	Cumulative Security Update for Internet Explorer 11 for Windows Server 2012 R2 (KB2976627)	http://support.microsoft.com	MS14-051
2976897	Security Update for Windows Server 2012 R2 (KB2976897)	http://support.microsoft.com	MS14-045
2977292	Security Update for Windows Server 2012 R2 (KB2977292)	http://support.microsoft.com	
2977765	Security Update for Microsoft .NET Framework 4.5.1 and 4.5.2 on Windows 8.1 and Windows Server 2012 R2 x64-based Systems (KB2977765)	http://support.microsoft.com	MS14-053
2978041	Security Update for Microsoft .NET Framework 4.5.1 and 4.5.2 on Windows 8.1 and Windows Server 2012 R2 x64-based Systems (KB2978041)	http://support.microsoft.com	MS14-057
2978668	Security Update for Windows Server 2012 R2 (KB2978668)	http://support.microsoft.com	MS14-047
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2981580	Update for Windows Server 2012 R2 (KB2981580)	http://support.microsoft.com	
2984006	Update for Windows Server 2012 R2 (KB2984006)	http://support.microsoft.com	
2987107	Cumulative Security Update for Internet Explorer 11 for Windows Server 2012 R2 (KB2987107)	http://support.microsoft.com	MS14-056
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2989542	Update for Windows Server 2012 R2 (KB2989542)	http://support.microsoft.com	
2989647	Update for Windows Server 2012 R2 (KB2989647)	http://support.microsoft.com	
2993651	Security Update for Windows Server 2012 R2 (KB2993651)	http://support.microsoft.com	MS14-045
2995388	Update for Windows Server 2012 R2 (KB2995388)	http://support.microsoft.com	
2998174	Update for Windows Server 2012 R2 (KB2998174)	http://support.microsoft.com	
2998527	Update for Windows Server 2012 R2 (KB2998527)	http://support.microsoft.com	
3000061	Security Update for Windows Server 2012 R2 (KB3000061)	http://support.microsoft.com	MS14-058
3000869	Security Update for Windows Server 2012 R2 (KB3000869)	http://support.microsoft.com	MS14-060
3000988	Update for Windows Server 2012 R2 (KB3000988)	http://support.microsoft.com	
3005628	Update for Microsoft .NET Framework 3.5 for x64-based Systems (KB3005628)	http://support.microsoft.com	
890830	Windows Malicious Software Removal Tool for Windows 8, 8.1 and Windows Server 2012, 2012 R2 x64 Edition - October 2014 (KB890830)	http://support.microsoft.com	

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List System Drivers

Description: List the system drivers on each node.



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Name	Description	Path	Version	Service Type	Started	Start Mode	State
1394ohci	1394 OHCI Compliant Host Controller	C:\Windows\system32\drivers\1394ohci.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
3ware	3ware	C:\Windows\system32\drivers\3ware.sys	5.1.0.51	Kernel Driver	False	Manual	Stopp
ACPI	Microsoft ACPI Driver	C:\Windows\system32\drivers\ACPI.sys	6.3.9600.17031	Kernel Driver	True	Boot	Runni
acpiex	Microsoft ACPIEx Driver	C:\Windows\system32\Drivers\acpiex.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
acpipagr	ACPI Processor Aggregator Driver	C:\Windows\system32\drivers\acpipagr.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
AcpiPmi	ACPI Power Meter Driver	C:\Windows\system32\drivers\acpipmi.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
acpitime	ACPI Wake Alarm Driver	C:\Windows\system32\drivers\acpitime.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
ADP80XX	ADP80XX	C:\Windows\system32\drivers\ADP80XX.SYS	1.0.0.254	Kernel Driver	False	Manual	Stopp
AFD	Ancillary Function Driver for Winsock	C:\Windows\system32\drivers\afd.sys	6.3.9600.17194	Kernel Driver	True	System	Runni
agp440	Intel AGP Bus Filter	C:\Windows\system32\drivers\agp440.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
ahcache	Application Compatibility Cache	C:\Windows\system32\DRIVERS\ahcache.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
AmdK8	AMD K8 Processor Driver	C:\Windows\system32\drivers\amdK8.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
AmdPPM	AMD Processor Driver	C:\Windows\system32\drivers\amdppm.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni

amdsata	amdsata	C:\Windows\system32\drivers\amdsata.sys	1.1.4.14	Kernel Driver	False	Manual	Stopp
amdsbs	amdsbs	C:\Windows\system32\drivers\amdsbs.sys	3.7.1540.43	Kernel Driver	False	Manual	Stopp
amdxtata	amdxtata	C:\Windows\system32\drivers\amdxtata.sys	1.1.4.14	Kernel Driver	False	Manual	Stopp
AppID	AppID Driver	C:\Windows\system32\drivers\appid.sys	6.3.9600.16404	Kernel Driver	False	Manual	Stopp
arcsas	Adaptec SAS/SATA-II RAID Storport's Miniport Driver	C:\Windows\system32\drivers\arcsas.sys	7.2.0.30261	Kernel Driver	False	Manual	Stopp
AsyncMac	RAS Asynchronous Media Driver	C:\Windows\system32\drivers\asynctac.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
atapi	IDE Channel	C:\Windows\system32\drivers\atapi.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
b06bdrv	Broadcom NetXtreme II VBD	C:\Windows\system32\drivers\bxbvda.sys	7.4.14.0	Kernel Driver	False	Manual	Stopp
BasicDisplay	BasicDisplay	C:\Windows\system32\drivers\BasicDisplay.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
BasicRender	BasicRender	C:\Windows\system32\drivers\BasicRender.sys	6.3.9600.17031	Kernel Driver	True	System	Runni
be2net	Emulex 10Gb NIC	C:\Windows\system32\DRIVERS\ocnd64.sys	10.0.430.570	Kernel Driver	True	Manual	Runni
Beep	Beep	C:\Windows\system32\drivers\Beep.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
bfadfcioei	bfadfcioei	C:\Windows\system32\drivers\bfadfcioei.sys	6.3.9374.0	Kernel Driver	False	Manual	Stopp
bfadi	bfadi	C:\Windows\system32\drivers\bfadi.sys	6.3.9367.0	Kernel Driver	False	Manual	Stopp
browser	Browser Support Driver	C:\Windows\system32\DRIVERS\browser.sys	6.3.9600.16384	File System Driver	True	Manual	Runni
bxfcioei	Broadcom NetXtreme II Offload FCoE Driver	C:\Windows\system32\drivers\bxfcioei.sys	7.4.6.0	Kernel Driver	False	Manual	Stopp
bxois	Broadcom NetXtreme II Offload iSCSI Driver	C:\Windows\system32\drivers\bxois.sys	7.4.4.0	Kernel Driver	False	Manual	Stopp
CCFFilter	Cluster Client Failover Filter	C:\Windows\system32\drivers\CCFFilter.sys	6.3.9600.16384	File System Driver	True	Auto	Runni
cdfs	CD/DVD File System Reader	C:\Windows\system32\DRIVERS\cdfs.sys	6.3.9600.16384	File System Driver	False	Disabled	Stopp
cdrom	CD-ROM Driver	C:\Windows\system32\drivers\cdrom.sys	6.3.9600.16384	Kernel Driver	False	System	Stopp
cht4vbd	Chelsio T4 Virtual Bus Driver	C:\Windows\system32\drivers\cht4vx64.sys	4.4.13.0	Kernel Driver	False	Manual	Stopp
CLFS	Common Log (CLFS)	C:\Windows\system32\drivers\CLFS.sys	6.3.9600.17055	Kernel Driver	True	Boot	Runni
ClusDisk	Cluster Disk Driver	C:\Windows\system32\drivers\ClusDisk.sys	6.3.9600.17111	Kernel Driver	True	System	Runni
CmBatt	Microsoft ACPI Control Method Battery Driver	C:\Windows\system32\drivers\CmBatt.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
CNG	CNG	C:\Windows\system32\Drivers\cng.sys	6.3.9600.17334	Kernel Driver	True	Boot	Runni
CompositeBus	Composite Bus Enumerator Driver	C:\Windows\system32\drivers\CompositeBus.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
condrv	Console Driver	C:\Windows\system32\drivers\condrv.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
CsvFlt	CSV Mini-Filter Driver	C:\Windows\system32\drivers\CsvFlt.sys	6.3.9600.17326	File System Driver	False	Manual	Stopp
CsvFs	Csv File System Driver	C:\Windows\system32\drivers\CsvFs.sys	6.3.9600.17326	File System Driver	False	Manual	Stopp
CsvNSFlt	CSV NameSpace Filter Driver	C:\Windows\system32\drivers\CsvNSFlt.sys	6.3.9600.16384	File System Driver	False	Manual	Stopp
csvvbus	CSV Volume Bus	C:\Windows\system32\drivers\csvvbus.sys	6.3.9600.16441	Kernel Driver	True	Manual	Runni
Dfsc	DFS Namespace Client Driver	C:\Windows\system32\Drivers\dfsc.sys	6.3.9600.17041	File System Driver	True	System	Runni
disk	Disk Driver	C:\Windows\system32\drivers\disk.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
dmvsc	dmvsc	C:\Windows\system32\drivers\dmvsc.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
DXGKrn1	LDDM Graphics Subsystem	C:\Windows\system32\drivers\dxgkrnl.sys	6.3.9600.17210	Kernel Driver	True	Manual	Runni
e1iexpress	Intel(R) PRO/1000 PCI Express Network Connection Driver I	C:\Windows\system32\DRIVERS\e1i63x64.sys	12.6.47.0	Kernel Driver	True	Manual	Runni
e1qexpress	Intel(R) PCI Express Network Connection Driver Q	C:\Windows\system32\DRIVERS\e1q63x64.sys	12.7.27.0	Kernel Driver	True	Manual	Runni
ebdrv	Broadcom NetXtreme II 10 GigE VBD	C:\Windows\system32\drivers\evbda.sys	7.4.33.1	Kernel Driver	False	Manual	Stopp

elxfcoe	elxfcoe	C:\Windows\system32\drivers\elxfcoe.sys	2.74.214.4	Kernel Driver	False	Manual	Stopp
elxstor	elxstor	C:\Windows\system32\drivers\elxstor.sys	2.74.214.4	Kernel Driver	False	Manual	Stopp
ErrDev	Microsoft Hardware Error Device Driver	C:\Windows\system32\drivers\errdev.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
exfat	exFAT File System Driver	C:\Windows\system32\drivers\exfat.sys	6.3.9600.16384	File System Driver	False	Manual	Stopp
fastfat	FAT12/16/32 File System Driver	C:\Windows\system32\drivers\fastfat.sys	6.3.9600.16384	File System Driver	False	Manual	Stopp
fcvsc	fcvsc	C:\Windows\system32\drivers\fcvsc.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
fdc	Floppy Disk Controller Driver	C:\Windows\system32\drivers\fdc.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
FileInfo	File Information FS MiniFilter	C:\Windows\system32\drivers\fileinfo.sys	6.3.9600.17031	File System Driver	False	Manual	Stopp
Filetrace	Filetrace	C:\Windows\system32\drivers\filetrace.sys	6.3.9600.16384	File System Driver	False	Manual	Stopp
flpydisk	Floppy Disk Driver	C:\Windows\system32\drivers\flpydisk.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
FltMgr	FltMgr	C:\Windows\system32\drivers\fltmgr.sys	6.3.9600.17090	File System Driver	True	Boot	Runni
FsDepends	File System Dependency Minifilter	C:\Windows\system32\drivers\FsDepends.sys	6.3.9600.16384	File System Driver	False	Manual	Stopp
FxPPM	Power Framework Processor Driver	C:\Windows\system32\drivers\fxppm.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
gagp30kx	Microsoft Generic AGPv3.0 Filter for K8 Processor Platforms	C:\Windows\system32\drivers\gagp30kx.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
gencounter	Microsoft Hyper-V Generation Counter	C:\Windows\system32\drivers\vmgencounter.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
GPIOClx0101	Microsoft GPIO Class Extension Driver	C:\Windows\system32\Drivers\msgpioclx.sys	6.3.9600.17253	Kernel Driver	False	Manual	Stopp
HDAudBus	Microsoft UAA Bus Driver for High Definition Audio	C:\Windows\system32\drivers\HDAudBus.sys	6.3.9600.17238	Kernel Driver	False	Manual	Stopp
HidBatt	HID UPS Battery Driver	C:\Windows\system32\drivers\HidBatt.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
HidUsb	Microsoft HID Class Driver	C:\Windows\system32\drivers\hidusb.sys	6.3.9600.17041	Kernel Driver	True	Manual	Runni
HpSAMD	HpSAMD	C:\Windows\system32\drivers\HpSAMD.sys	8.0.4.0	Kernel Driver	False	Manual	Stopp
HTTP	HTTP Service	C:\Windows\system32\drivers\HTTP.sys	6.3.9600.16520	Kernel Driver	True	Manual	Runni
hvservice	Hypervisor/Virtual Machine Support Driver	C:\Windows\system32\drivers\hvservice.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
hwpolicy	Hardware Policy Driver	C:\Windows\system32\drivers\hwpolicy.sys	6.3.9600.16384	Kernel Driver	False	Boot	Stopp
hyperkbd	hyperkbd	C:\Windows\system32\drivers\hyperkbd.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
HyperVideo	HyperVideo	C:\Windows\system32\DRIVERS\HyperVideo.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
i8042prt	i8042 Keyboard and PS/2 Mouse Port Driver	C:\Windows\system32\drivers\i8042prt.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
iaStorAV	Intel(R) SATA RAID Controller Windows	C:\Windows\system32\drivers\iaStorAV.sys	12.0.1.1018	Kernel Driver	False	Manual	Stopp
iaStorV	Intel RAID Controller Windows 7	C:\Windows\system32\drivers\iaStorV.sys	8.6.2.1019	Kernel Driver	False	Manual	Stopp
ibbus	Mellanox InfiniBand Bus/AL (Filter Driver)	C:\Windows\system32\drivers\ibbus.sys	4.4.13905.0	Kernel Driver	False	Manual	Stopp
intelide	intelide	C:\Windows\system32\drivers\intelide.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
intelppm	Intel Processor Driver	C:\Windows\system32\drivers\intelppm.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
IpFilterDriver	IP Traffic Filter Driver	C:\Windows\system32\DRIVERS\ipfltdrv.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
IPMIDRV	IPMIDRV	C:\Windows\system32\drivers\IPMIDrv.sys	6.3.9600.17238	Kernel Driver	True	Manual	Runni
IPNAT	IP Network Address Translator	C:\Windows\system32\drivers\ipnat.sys	6.3.9600.16477	Kernel Driver	False	Manual	Stopp
isapnp	isapnp	C:\Windows\system32\drivers\isapnp.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
iScsiPrt	iScsiPort Driver	C:\Windows\system32\drivers\msiscsi.sys	6.3.9600.17090	Kernel Driver	True	Manual	Runni
kbdclass	Keyboard Class Driver	C:\Windows\system32\drivers\kbdclass.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
kbdhid	Keyboard HID Driver	C:\Windows\system32\drivers\kbdhid.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
kdnic	Microsoft Kernel Debug Network Miniport (NDIS 6.20)	C:\Windows\system32	6.1.0.0	Kernel	True	Manual	Runni

KSecDD	KSecDD	\DRIVERS\kdnic.sys		Driver				
		C:\Windows\system32\Drivers\ksecdd.sys	6.3.9600.16408	Kernel Driver	True	Boot	Runni	
KSecPkg	KSecPkg	C:\Windows\system32\Drivers\ksecpkg.sys	6.3.9600.17334	Kernel Driver	True	Boot	Runni	
ksthunk	Kernel Streaming Thunks	C:\Windows\system32\drivers\ksthunk.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
ltdio	Link-Layer Topology Discovery Mapper I/O Driver	C:\Windows\system32\DRIVERS\ltdio.sys	6.3.9600.16384	Kernel Driver	True	Auto	Runni	
LSI_SAS	LSI_SAS	C:\Windows\system32\drivers\lsi_sas.sys	1.34.3.82	Kernel Driver	False	Manual	Stopp	
LSI_SAS2	LSI_SAS2	C:\Windows\system32\drivers\lsi_sas2.sys	2.0.60.82	Kernel Driver	False	Manual	Stopp	
LSI_SAS3	LSI_SAS3	C:\Windows\system32\drivers\lsi_sas3.sys	2.50.65.1	Kernel Driver	False	Manual	Stopp	
LSI_SSS	LSI_SSS	C:\Windows\system32\drivers\lsi_sss.sys	2.10.61.81	Kernel Driver	False	Manual	Stopp	
luafv	UAC File Virtualization	C:\Windows\system32\drivers\luafv.sys	6.3.9600.17031	File System Driver	True	Auto	Runni	
lunparser	LUN Parser	C:\Windows\system32\drivers\lunparser.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
megasas	megasas	C:\Windows\system32\drivers\megasas.sys	6.3.9466.0	Kernel Driver	False	Manual	Stopp	
megasr	megasr	C:\Windows\system32\drivers\megasr.sys	15.2.2013.129	Kernel Driver	False	Manual	Stopp	
mlx4_bus	Mellanox ConnectX Bus Enumerator	C:\Windows\system32\drivers\mlx4_bus.sys	4.4.13905.0	Kernel Driver	False	Manual	Stopp	
Modem	Modem	C:\Windows\system32\drivers\modem.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
monitor	Microsoft Monitor Class Function Driver Service	C:\Windows\system32\drivers\monitor.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni	
mouclass	Mouse Class Driver	C:\Windows\system32\drivers\mouclass.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni	
mouhid	Mouse HID Driver	C:\Windows\system32\drivers\mouhid.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni	
mountmgr	Mount Point Manager	C:\Windows\system32\drivers\mountmgr.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni	
mpio	Microsoft Multi-Path Bus Driver	C:\Windows\system32\drivers\mpio.sys	6.3.9600.17276	Kernel Driver	True	Boot	Runni	
mpsdrv	Windows Firewall Authorization Driver	C:\Windows\system32\drivers\mpsdrv.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni	
mrxsmb	SMB MiniRedirector Wrapper and Engine	C:\Windows\system32\DRIVERS\mrxsmb.sys	6.3.9600.17111	File System Driver	True	Manual	Runni	
mrxsmb10	SMB 1.x MiniRedirector	C:\Windows\system32\DRIVERS\mrxsmb10.sys	6.3.9600.17041	File System Driver	True	Auto	Runni	
mrxsmb20	SMB 2.0 MiniRedirector	C:\Windows\system32\DRIVERS\mrxsmb20.sys	6.3.9600.17216	File System Driver	True	Manual	Runni	
MsBridge	Microsoft MAC Bridge	C:\Windows\system32\DRIVERS\bridge.sys	6.3.9600.17238	Kernel Driver	False	Manual	Stopp	
msdsm	Microsoft Multi-Path Device Specific Module	C:\Windows\system32\drivers\msdsm.sys	6.3.9600.17276	Kernel Driver	True	Boot	Runni	
Msfs	Msfs	C:\Windows\system32\drivers\Msfs.sys	6.3.9600.16384	File System Driver	True	System	Runni	
mshidkmdf	Pass-through HID to KMDF Filter Driver	C:\Windows\system32\drivers\mshidkmdf.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
mshidumdf	Pass-through HID to UMDF Driver	C:\Windows\system32\drivers\mshidumdf.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
msisadrv	msisadrv	C:\Windows\system32\drivers\msisadrv.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni	
MsLbfoProvider	Microsoft Load Balancing/Failover Provider	C:\Windows\system32\DRIVERS\MsLbfoProvider.sys	6.3.9600.17326	Kernel Driver	False	Manual	Stopp	
MsRPC	MsRPC	C:\Windows\system32\drivers\MsRPC.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
mssmbios	Microsoft System Management BIOS Driver	C:\Windows\system32\drivers\mssmbios.sys	6.3.9600.16384	Kernel Driver	True	System	Runni	
MTConfig	Microsoft Input Configuration Driver	C:\Windows\system32\drivers\MTConfig.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
Mup	Mup	C:\Windows\system32\Drivers\mup.sys	6.3.9600.16384	File System Driver	True	Boot	Runni	
mvumis	mvumis	C:\Windows\system32\drivers\mvumis.sys	1.0.5.1015	Kernel Driver	False	Manual	Stopp	
ndfltr	NetworkDirect Service	C:\Windows\system32\drivers\ndfltr.sys	4.4.13905.0	Kernel Driver	False	Manual	Stopp	
NDIS	NDIS System Driver	C:\Windows\system32\drivers\ndis.sys	6.3.9600.17199	Kernel Driver	True	Boot	Runni	
NdisCap	Microsoft NDIS Capture	C:\Windows\system32\DRIVERS\ndiscap.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	

NdisImPlatform	Microsoft Network Adapter Multiplexor Protocol	C:\Windows\system32\DRIVERS\NdisImPlatform.sys	6.3.9600.17238	Kernel Driver	False	Manual	Stopp
NdisTapi	Remote Access NDIS TAPI Driver	C:\Windows\system32\DRIVERS\ndistapi.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
Ndisuio	NDIS Usermode I/O Protocol	C:\Windows\system32\DRIVERS\ndisuio.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
NdisVirtualBus	Microsoft Virtual Network Adapter Enumerator	C:\Windows\system32\drivers\NdisVirtualBus.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
NdisWan	Remote Access NDIS WAN Driver	C:\Windows\system32\drivers\ndiswan.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
NDISWANLEGACY	Remote Access LEGACY NDIS WAN Driver	C:\Windows\system32\DRIVERS\ndiswan.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
NDProxy	NDIS Proxy	C:\Windows\system32\drivers\NDProxy.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
NetBIOS	NetBIOS Interface	C:\Windows\system32\DRIVERS\netbios.sys	6.3.9600.16384	File System Driver	True	System	Runni
NetBT	NetBT	C:\Windows\system32\DRIVERS\netbt.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
Netft	Cluster Virtual Miniport Driver	C:\Windows\system32\DRIVERS\netft.sys	6.3.9600.17078	Kernel Driver	True	Manual	Runni
netvsc	netvsc	C:\Windows\system32\DRIVERS\netvsc63.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
Npfs	Npfs	C:\Windows\system32\drivers\Npfs.sys	6.3.9600.16384	File System Driver	True	System	Runni
npsvctrig	Named pipe service trigger provider	C:\Windows\system32\drivers\npsvctrig.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
nsiproxy	NSI Proxy Service Driver	C:\Windows\system32\drivers\nsiproxy.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
Ntfs	Ntfs	C:\Windows\system32\drivers\Ntfs.sys	6.3.9600.17238	File System Driver	True	Manual	Runni
Null	Null	C:\Windows\system32\drivers\Null.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
nv_agp	NVIDIA nForce AGP Bus Filter	C:\Windows\system32\drivers\nv_agp.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
nvraid	nvraid	C:\Windows\system32\drivers\nvraid.sys	10.6.0.22	Kernel Driver	False	Manual	Stopp
nvstor	nvstor	C:\Windows\system32\drivers\nvstor.sys	10.6.0.22	Kernel Driver	False	Manual	Stopp
Parport	Parallel port driver	C:\Windows\system32\drivers\parport.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
partmgr	Partition Manager	C:\Windows\system32\drivers\partmgr.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
passthruarser	PassthroughParser	C:\Windows\system32\drivers\passthruarser.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
pci	PCI Bus Driver	C:\Windows\system32\drivers\pci.sys	6.3.9600.17238	Kernel Driver	True	Boot	Runni
pciide	pciide	C:\Windows\system32\drivers\pciide.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
pcmcia	pcmcia	C:\Windows\system32\drivers\pcmcia.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
pcw	Performance Counters for Windows Driver	C:\Windows\system32\drivers\pcw.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
pdcd	pdcd	C:\Windows\system32\drivers\pdcd.sys	6.3.9600.16453	Kernel Driver	True	Boot	Runni
PEAUTH	PEAUTH	C:\Windows\system32\drivers\peauth.sys	6.3.9600.17031	Kernel Driver	True	Auto	Runni
PptpMiniport	WAN Miniport (PPTP)	C:\Windows\system32\drivers\raspptp.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
Processor	Processor Driver	C:\Windows\system32\drivers\processr.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
Psched	QoS Packet Scheduler	C:\Windows\system32\DRIVERS\pacer.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
pvhdpaser	pvhdpaser	C:\Windows\system32\drivers\pvhdpaser.sys	6.3.9600.16397	Kernel Driver	False	Manual	Stopp
ql2300	QLogic Fibre Channel STOR Miniport Driver (wx64 IP)	C:\Windows\system32\DRIVERS\ql2300.sys	9.1.7.16	Kernel Driver	True	Boot	Runni
ql2300i	QLogic Fibre Channel STOR Miniport Inbox Driver (wx64)	C:\Windows\system32\drivers\ql2300i.sys	9.1.11.3	Kernel Driver	True	Manual	Runni
ql40xx2i	QLogic iSCSI Miniport Inbox Driver	C:\Windows\system32\drivers\ql40xx2i.sys	2.1.5.0	Kernel Driver	False	Manual	Stopp
qlfcoei	QLogic [FCoE] STOR Miniport Inbox Driver (wx64)	C:\Windows\system32\drivers\qlfcoei.sys	9.1.11.3	Kernel Driver	False	Manual	Stopp
RasAcad	Remote Access Auto Connection Driver	C:\Windows\system32\DRIVERS\rasacd.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
RasAgileVpn	WAN Miniport (IKEv2)	C:\Windows\system32\DRIVERS\AgileVpn.sys	6.3.9600.17111	Kernel Driver	True	Manual	Runni
Rasl2tp	WAN Miniport (L2TP)	C:\Windows\system32\drivers\rasl2tp.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
RasPppoe	Remote Access PPPOE Driver	C:\Windows\system32\drivers\rasppoe.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni

RasSstp	WAN Miniport (SSTP)	C:\Windows\system32\DRIVERS\rassstp.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
rdbss	Redirected Buffering Sub System	C:\Windows\system32\DRIVERS\rdbss.sys	6.3.9600.16493	File System Driver	True	System	Runni
rdpbus	Remote Desktop Device Redirector Bus Driver	C:\Windows\system32\drivers\rdpbus.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
RDPDR	Remote Desktop Device Redirector Driver	C:\Windows\system32\drivers\rdpdr.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
RdpVideoMiniport	Remote Desktop Video Miniport Driver	C:\Windows\system32\drivers\rdpvideominiport.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
ReFS	ReFS	C:\Windows\system32\drivers\ReFS.sys	6.3.9600.17031	File System Driver	False	Manual	Stopp
ResumeKeyFilter	Resume Key Filter	C:\Windows\system32\drivers\ResumeKeyFilter.sys	6.3.9600.17088	File System Driver	True	Auto	Runni
rspndr	Link-Layer Topology Discovery Responder	C:\Windows\system32\DRIVERS\rspndr.sys	6.3.9600.16384	Kernel Driver	True	Auto	Runni
s3cap	s3cap	C:\Windows\system32\drivers\vm3cap.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
sacdrv	sacdrv	C:\Windows\system32\DRIVERS\sacdrv.sys	6.3.9600.16384	Kernel Driver	False	Boot	Stopp
sbp2port	SBP-2 Transport/Protocol Bus Driver	C:\Windows\system32\drivers\sbp2port.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
scfilter	Smart card PnP Class Filter Driver	C:\Windows\system32\DRIVERS\scfilter.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
sdbus	sdbus	C:\Windows\system32\drivers\sdbus.sys	6.3.9600.17031	Kernel Driver	False	Manual	Stopp
sdstor	SD Storage Port Driver	C:\Windows\system32\drivers\sdstor.sys	6.3.9600.17031	Kernel Driver	False	Manual	Stopp
secdrv	Security Driver	C:\Windows\system32\drivers\secdrv.sys	4.3.86.0	Kernel Driver	True	Auto	Runni
SerCx	Serial UART Support Library	C:\Windows\system32\drivers\SerCx.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
SerCx2	Serial UART Support Library	C:\Windows\system32\drivers\SerCx2.sys	6.3.9600.16444	Kernel Driver	False	Manual	Stopp
Serenum	Serenum Filter Driver	C:\Windows\system32\drivers\serenum.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
Serial	Serial port driver	C:\Windows\system32\drivers\serial.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
sermouse	Serial Mouse Driver	C:\Windows\system32\drivers\sermouse.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
sfloppy	High-Capacity Floppy Disk Drive	C:\Windows\system32\drivers\sfloppy.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
SISRaid2	SISRaid2	C:\Windows\system32\drivers\SISRaid2.sys	5.1.1039.2600	Kernel Driver	False	Manual	Stopp
SISRaid4	SISRaid4	C:\Windows\system32\drivers\sisraid4.sys	5.1.1039.3600	Kernel Driver	False	Manual	Stopp
smbdirect	smbdirect	C:\Windows\system32\DRIVERS\smbdirect.sys	6.3.9600.17056	File System Driver	False	Manual	Stopp
spaceport	Storage Spaces Driver	C:\Windows\system32\drivers\spaceport.sys	6.3.9600.17238	Kernel Driver	True	Boot	Runni
SpbCx	Simple Peripheral Bus Support Library	C:\Windows\system32\drivers\SpbCx.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
srv	Server SMB 1.xxx Driver	C:\Windows\system32\DRIVERS\srv.sys	6.3.9600.17238	File System Driver	True	Auto	Runni
srv2	Server SMB 2.xxx Driver	C:\Windows\system32\DRIVERS\srv2.sys	6.3.9600.17238	File System Driver	True	Manual	Runni
srvnet	srvnet	C:\Windows\system32\DRIVERS\srvnet.sys	6.3.9600.17222	File System Driver	True	Manual	Runni
stexstor	stexstor	C:\Windows\system32\drivers\stexstor.sys	5.1.0.10	Kernel Driver	False	Manual	Stopp
storahci	Microsoft Standard SATA AHCI Driver	C:\Windows\system32\drivers\storahci.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
storflt	Hyper-V Storage Accelerator	C:\Windows\system32\DRIVERS\vmstorflt.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
stornvme	Microsoft Standard NVM Express Driver	C:\Windows\system32\drivers\stornvme.sys	6.3.9600.16421	Kernel Driver	False	Manual	Stopp
storvsc	storvsc	C:\Windows\system32\drivers\storvsc.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
storvsp	storvsp	C:\Windows\system32\drivers\storvsp.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
svhdxflt	Shared VHDX File Access Filter Driver	C:\Windows\system32\drivers\svhdxflt.sys	6.3.9600.17238	File System Driver	True	Auto	Runni
swenum	Software Bus Driver	C:\Windows\system32\drivers\swenum.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
Tcpip	TCP/IP Protocol Driver	C:\Windows\system32	6.3.9600.17336	Kernel	True	Boot	Runni

TCPIP6	Microsoft IPv6 Protocol Driver	\drivers\tcpip.sys	6.3.9600.17336	Kernel Driver	False	Manual	Stopp
tcpipreg	TCP/IP Registry Compatibility	C:\Windows\system32\DRIVERS\tcpip.sys	6.3.9600.17041	Kernel Driver	True	Auto	Runni
tdx	NetIO Legacy TDI Support Driver	C:\Windows\system32\DRIVERS\tdx.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
terminpt	Microsoft Remote Desktop Input Driver	C:\Windows\system32\drivers\terminpt.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
TPM	TPM	C:\Windows\system32\drivers\tpm.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
TsUsbFit	TsUsbFit	C:\Windows\system32\drivers\tsubflt.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
TsUsbGD	Remote Desktop Generic USB Device	C:\Windows\system32\drivers\TsUsbGD.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
tsusbhub	Remote Desktop USB Hub	C:\Windows\system32\drivers\tsusbhub.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
tunnel	Microsoft Tunnel Miniport Adapter Driver	C:\Windows\system32\DRIVERS\tunnel.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
uagp35	Microsoft AGPv3.5 Filter	C:\Windows\system32\drivers\uagp35.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
UASPStor	USB Attached SCSI (UAS) Driver	C:\Windows\system32\drivers\uasstor.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
UCX01000	USB Controller Extension	C:\Windows\system32\drivers\ucx01000.sys	6.3.9600.17031	Kernel Driver	False	Manual	Stopp
udfs	udfs	C:\Windows\system32\DRIVERS\udfs.sys	6.3.9600.16384	File System Driver	False	Disabled	Stopp
UEFI	Microsoft UEFI Driver	C:\Windows\system32\drivers\UEFI.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
uliagpkx	Uli AGP Bus Filter	C:\Windows\system32\drivers\uliagpkx.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
umbus	UMBus Enumerator Driver	C:\Windows\system32\drivers\umbus.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
UmPass	Microsoft UMPass Driver	C:\Windows\system32\drivers\umpass.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
usbccgp	Microsoft USB Generic Parent Driver	C:\Windows\system32\drivers\usbccgp.sys	6.3.9600.17238	Kernel Driver	True	Manual	Runni
usbehci	Microsoft USB 2.0 Enhanced Host Controller Miniport Driver	C:\Windows\system32\drivers\usbehci.sys	6.3.9600.17195	Kernel Driver	False	Manual	Stopp
usbhub	Microsoft USB Standard Hub Driver	C:\Windows\system32\drivers\usbhub.sys	6.3.9600.17238	Kernel Driver	True	Manual	Runni
USBHUB3	SuperSpeed Hub	C:\Windows\system32\drivers\UsbHub3.sys	6.3.9600.17238	Kernel Driver	False	Manual	Stopp
usbohci	Microsoft USB Open Host Controller Miniport Driver	C:\Windows\system32\drivers\usbohci.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
usbprint	Microsoft USB PRINTER Class	C:\Windows\system32\drivers\usbprint.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
USBSTOR	USB Mass Storage Driver	C:\Windows\system32\drivers\USBSTOR.SYS	6.3.9600.17331	Kernel Driver	False	Manual	Stopp
usbuhci	Microsoft USB Universal Host Controller Miniport Driver	C:\Windows\system32\drivers\usbuhci.sys	6.3.9600.17195	Kernel Driver	False	Manual	Stopp
USBXHCI	USB xHCI Compliant Host Controller	C:\Windows\system32\drivers\USBXHCI.SYS	6.3.9600.17031	Kernel Driver	False	Manual	Stopp
vdrvroot	Microsoft Virtual Drive Enumerator	C:\Windows\system32\drivers\vdrvroot.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
VerifierExt	VerifierExt	C:\Windows\system32\drivers\VerifierExt.sys	6.3.9600.16404	Kernel Driver	False	Manual	Stopp
vhdmp	vhdmp	C:\Windows\system32\drivers\vhdmp.sys	6.3.9600.16521	Kernel Driver	False	Manual	Stopp
vhdparser	vhdparser	C:\Windows\system32\drivers\vhdparser.sys	6.3.9600.16520	Kernel Driver	False	Manual	Stopp
viaide	viaide	C:\Windows\system32\drivers\viaide.sys	6.0.6000.170	Kernel Driver	False	Manual	Stopp
Vid	Vid	C:\Windows\system32\drivers\Vid.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
vmbus	Virtual Machine Bus	C:\Windows\system32\drivers\vmbs.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
VMBusHID	VMBusHID	C:\Windows\system32\drivers\VMBusHID.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
vmbusr	Virtual Machine Bus Provider	C:\Windows\system32\drivers\vmbusr.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
VMSMP	VMSMP	C:\Windows\system32\DRIVERS\vmswitch.sys	6.3.9600.17326	Kernel Driver	True	Manual	Runni
VMSP	VMSP	C:\Windows\system32\DRIVERS\vmswitch.sys	6.3.9600.17326	Kernel Driver	False	Manual	Stopp
VMSVSF	VMSVSF	C:\Windows\system32\DRIVERS\vmswitch.sys	6.3.9600.17326	Kernel Driver	False	Manual	Stopp
VMSVSP	VMSVSP	C:\Windows\system32\DRIVERS\vmswitch.sys	6.3.9600.17326	Kernel Driver	False	Manual	Stopp
volmgr	Volume Manager Driver	C:\Windows\system32\drivers\volmgr.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni

volmgrx	Dynamic Volume Manager	C:\Windows\system32\drivers\volmgrx.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
volsnap	Storage volumes	C:\Windows\system32\drivers\volsnap.sys	6.3.9600.17215	Kernel Driver	True	Boot	Runni
vpci	Microsoft Hyper-V Virtual PCI Bus	C:\Windows\system32\drivers\vpci.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
vpcivsp	Microsoft Hyper-V PCI Server	C:\Windows\system32\drivers\vpcivsp.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
vsmraid	vsmraid	C:\Windows\system32\drivers\vsmraid.sys	7.0.9200.6320	Kernel Driver	False	Manual	Stopp
VSTXRAID	VIA StorX Storage RAID Controller Windows Driver	C:\Windows\system32\drivers\vstxraid.sys	8.0.9200.8110	Kernel Driver	False	Manual	Stopp
WacomPen	Wacom Serial Pen HID Driver	C:\Windows\system32\drivers\wacompen.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
Wanarp	Remote Access IP ARP Driver	C:\Windows\system32\DRIVERS\wanarp.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
Wanarpv6	Remote Access IPv6 ARP Driver	C:\Windows\system32\DRIVERS\wanarp.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
Wdf01000	Kernel Mode Driver Frameworks service	C:\Windows\system32\drivers\Wdf01000.sys	1.13.9600.16384	Kernel Driver	True	Boot	Runni
WFPLWFS	Microsoft Windows Filtering Platform	C:\Windows\system32\DRIVERS\wfplwfs.sys	6.3.9600.17042	Kernel Driver	True	Boot	Runni
WIMMount	WIMMount	C:\Windows\system32\drivers\wimmount.sys	6.3.9600.16384	File System Driver	False	Manual	Stopp
WinMad	WinMad Service	C:\Windows\system32\drivers\winmad.sys	4.4.13905.0	Kernel Driver	False	Manual	Stopp
WinNat	Windows NAT Driver	C:\Windows\system32\drivers\winnat.sys	6.3.9600.16519	Kernel Driver	False	Manual	Stopp
WinVerbs	WinVerbs Service	C:\Windows\system32\drivers\winverbs.sys	4.4.13905.0	Kernel Driver	False	Manual	Stopp
WmiAcpi	Microsoft Windows Management Interface for ACPI	C:\Windows\system32\drivers\wmiacpi.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
ws2ifsl	Winsock IFS Driver	C:\Windows\system32\drivers\ws2ifsl.sys	6.3.9600.16384	Kernel Driver	False	Disabled	Stopp
wtlmdrv	Microsoft iSCSI Target LocalMount Adapter	C:\Windows\system32\drivers\wtlmdrv.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
WudfPf	User Mode Driver Frameworks Platform Driver	C:\Windows\system32\drivers\WudfPf.sys	6.3.9600.17195	Kernel Driver	False	Manual	Stopp



hyperv2.kerberos.dnuk.lan

Gathering System Drivers for hyperv2.kerberos.dnuk.lan

Name	Description	Path	Version	Service Type	Started	Start Mode	State
1394ohci	1394 OHCI Compliant Host Controller	C:\Windows\system32\drivers\1394ohci.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
3ware	3ware	C:\Windows\system32\drivers\3ware.sys	5.1.0.51	Kernel Driver	False	Manual	Stopp
ACPI	Microsoft ACPI Driver	C:\Windows\system32\drivers\ACPI.sys	6.3.9600.17031	Kernel Driver	True	Boot	Runni
acpiex	Microsoft ACPIEx Driver	C:\Windows\system32\Drivers\acpiex.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
acpipagr	ACPI Processor Aggregator Driver	C:\Windows\system32\drivers\acpipagr.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
AcpiPmi	ACPI Power Meter Driver	C:\Windows\system32\drivers\acpipmi.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
acpitime	ACPI Wake Alarm Driver	C:\Windows\system32\drivers\acpitime.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
ADP80XX	ADP80XX	C:\Windows\system32\drivers\ADP80XX.SYS	1.0.0.254	Kernel Driver	False	Manual	Stopp
AFD	Ancillary Function Driver for Winsock	C:\Windows\system32\drivers\afd.sys	6.3.9600.17194	Kernel Driver	True	System	Runni
agp440	Intel AGP Bus Filter	C:\Windows\system32\drivers\agp440.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
ahcache	Application Compatibility Cache	C:\Windows\system32\DRIVERS\ahcache.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
AmdK8	AMD K8 Processor Driver	C:\Windows\system32\drivers\amd8.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
AmdPPM	AMD Processor Driver	C:\Windows\system32\drivers\amdppm.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
amdsata	amdsata	C:\Windows\system32\drivers\amdsata.sys	1.1.4.14	Kernel Driver	False	Manual	Stopp
amdsbs	amdsbs	C:\Windows\system32\drivers\amdsbs.sys	3.7.1540.43	Kernel Driver	False	Manual	Stopp
amdxtata	amdxtata	C:\Windows\system32\drivers\amdxtata.sys	1.1.4.14	Kernel Driver	False	Manual	Stopp
AppID	AppID Driver	C:\Windows\system32	6.3.9600.16404	Kernel	False	Manual	Stopp

arcsas	Adaptec SAS/SATA-II RAID Storport's Miniport Driver	\drivers\appid.sys C:\Windows\system32\drivers\arcsas.sys	7.2.0.30261	Kernel Driver	False	Manual	Stopp
AsyncMac	RAS Asynchronous Media Driver	C:\Windows\system32\drivers\asyncmac.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
atapi	IDE Channel	C:\Windows\system32\drivers\atapi.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
b06bdrv	Broadcom NetXtreme II VBD	C:\Windows\system32\drivers\bxvbda.sys	7.4.14.0	Kernel Driver	False	Manual	Stopp
BasicDisplay	BasicDisplay	C:\Windows\system32\drivers\BasicDisplay.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
BasicRender	BasicRender	C:\Windows\system32\drivers\BasicRender.sys	6.3.9600.17031	Kernel Driver	True	System	Runni
be2net	Emulex 10Gb NIC	C:\Windows\system32\DRIVERS\ocnd64.sys	10.0.430.570	Kernel Driver	True	Manual	Runni
Beep	Beep	C:\Windows\system32\drivers\Beep.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
bfadfcoui	bfadfcoui	C:\Windows\system32\drivers\bfadfcoui.sys	6.3.9374.0	Kernel Driver	False	Manual	Stopp
bfadi	bfadi	C:\Windows\system32\drivers\bfadi.sys	6.3.9367.0	Kernel Driver	False	Manual	Stopp
browser	Browser Support Driver	C:\Windows\system32\DRIVERS\browser.sys	6.3.9600.16384	File System Driver	True	Manual	Runni
bxfcou	Broadcom NetXtreme II Offload FCoE Driver	C:\Windows\system32\drivers\bxfcou.sys	7.4.6.0	Kernel Driver	False	Manual	Stopp
bxois	Broadcom NetXtreme II Offload iSCSI Driver	C:\Windows\system32\drivers\bxois.sys	7.4.4.0	Kernel Driver	False	Manual	Stopp
CCFFilter	Cluster Client Failover Filter	C:\Windows\system32\drivers\CCFFilter.sys	6.3.9600.16384	File System Driver	True	Auto	Runni
cdfs	CD/DVD File System Reader	C:\Windows\system32\DRIVERS\cdfs.sys	6.3.9600.16384	File System Driver	False	Disabled	Stopp
cdrom	CD-ROM Driver	C:\Windows\system32\drivers\cdrom.sys	6.3.9600.16384	Kernel Driver	False	System	Stopp
cht4vbd	Chelsio T4 Virtual Bus Driver	C:\Windows\system32\drivers\cht4vx64.sys	4.4.13.0	Kernel Driver	False	Manual	Stopp
CLFS	Common Log (CLFS)	C:\Windows\system32\drivers\CLFS.sys	6.3.9600.17055	Kernel Driver	True	Boot	Runni
ClusDisk	Cluster Disk Driver	C:\Windows\system32\drivers\ClusDisk.sys	6.3.9600.17111	Kernel Driver	True	System	Runni
CmBatt	Microsoft ACPI Control Method Battery Driver	C:\Windows\system32\drivers\CmBatt.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
CNG	CNG	C:\Windows\system32\Drivers\cng.sys	6.3.9600.17334	Kernel Driver	True	Boot	Runni
CompositeBus	Composite Bus Enumerator Driver	C:\Windows\system32\drivers\CompositeBus.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
condrv	Console Driver	C:\Windows\system32\drivers\condrv.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
CsvFit	CSV Mini-Filter Driver	C:\Windows\system32\drivers\CsvFlt.sys	6.3.9600.17326	File System Driver	False	Manual	Stopp
CsvFs	Csv File System Driver	C:\Windows\system32\drivers\CsvFs.sys	6.3.9600.17326	File System Driver	False	Manual	Stopp
CsvNSFlt	CSV NameSpace Filter Driver	C:\Windows\system32\drivers\CsvNSFlt.sys	6.3.9600.16384	File System Driver	False	Manual	Stopp
csvvbus	CSV Volume Bus	C:\Windows\system32\drivers\csvvbus.sys	6.3.9600.16441	Kernel Driver	True	Manual	Runni
Dfsc	DFS Namespace Client Driver	C:\Windows\system32\Drivers\dfsc.sys	6.3.9600.17041	File System Driver	True	System	Runni
disk	Disk Driver	C:\Windows\system32\drivers\disk.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
dmvsc	dmvsc	C:\Windows\system32\drivers\dmvsc.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
DXGKrn1	LDDM Graphics Subsystem	C:\Windows\system32\drivers\dxgkrnl.sys	6.3.9600.17210	Kernel Driver	True	Manual	Runni
e1iexpress	Intel(R) PRO/1000 PCI Express Network Connection Driver I	C:\Windows\system32\DRIVERS\e1i63x64.sys	12.6.47.0	Kernel Driver	True	Manual	Runni
e1qexpress	Intel(R) PCI Express Network Connection Driver Q	C:\Windows\system32\DRIVERS\e1q63x64.sys	12.7.27.0	Kernel Driver	True	Manual	Runni
ebdrv	Broadcom NetXtreme II 10 GigE VBD	C:\Windows\system32\drivers\evbda.sys	7.4.33.1	Kernel Driver	False	Manual	Stopp
elxfcoe	elxfcoe	C:\Windows\system32\drivers\elxfcoe.sys	2.74.214.4	Kernel Driver	False	Manual	Stopp
elxstor	elxstor	C:\Windows\system32\drivers\elxstor.sys	2.74.214.4	Kernel Driver	False	Manual	Stopp
ErrDev	Microsoft Hardware Error Device Driver	C:\Windows\system32\drivers\errdev.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
exfat	exFAT File System Driver	C:\Windows\system32	6.3.9600.16384	File	False	Manual	Stopp

		\drivers\exfat.sys		System Driver			
fastfat	FAT12/16/32 File System Driver	C:\Windows\system32\drivers\fastfat.sys	6.3.9600.16384	File System Driver	False	Manual	Stopp
fcvsc	fcvsc	C:\Windows\system32\drivers\fcvsc.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
fdc	Floppy Disk Controller Driver	C:\Windows\system32\drivers\fdc.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
FileInfo	File Information FS MiniFilter	C:\Windows\system32\drivers\fileinfo.sys	6.3.9600.17031	File System Driver	False	Manual	Stopp
Filetrace	Filetrace	C:\Windows\system32\drivers\filetrace.sys	6.3.9600.16384	File System Driver	False	Manual	Stopp
flpydisk	Floppy Disk Driver	C:\Windows\system32\drivers\flpydisk.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
FitMgr	FitMgr	C:\Windows\system32\drivers\fitmgr.sys	6.3.9600.17090	File System Driver	True	Boot	Runni
FsDepends	File System Dependency Minifilter	C:\Windows\system32\drivers\FsDepends.sys	6.3.9600.16384	File System Driver	False	Manual	Stopp
FxPPM	Power Framework Processor Driver	C:\Windows\system32\drivers\fxppm.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
gagp30kx	Microsoft Generic AGPv3.0 Filter for K8 Processor Platforms	C:\Windows\system32\drivers\gagp30kx.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
gencounter	Microsoft Hyper-V Generation Counter	C:\Windows\system32\drivers\vmgencounter.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
GPIOClx0101	Microsoft GPIO Class Extension Driver	C:\Windows\system32\Drivers\msgpioclx.sys	6.3.9600.17253	Kernel Driver	False	Manual	Stopp
HDAudBus	Microsoft UAA Bus Driver for High Definition Audio	C:\Windows\system32\drivers\HDAudBus.sys	6.3.9600.17238	Kernel Driver	False	Manual	Stopp
HidBatt	HID UPS Battery Driver	C:\Windows\system32\drivers\HidBatt.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
HidUsb	Microsoft HID Class Driver	C:\Windows\system32\drivers\hidusb.sys	6.3.9600.17041	Kernel Driver	True	Manual	Runni
HpSAMD	HpSAMD	C:\Windows\system32\drivers\HpSAMD.sys	8.0.4.0	Kernel Driver	False	Manual	Stopp
HTTP	HTTP Service	C:\Windows\system32\drivers\HTTP.sys	6.3.9600.16520	Kernel Driver	True	Manual	Runni
hvservice	Hypervisor/Virtual Machine Support Driver	C:\Windows\system32\drivers\hvservice.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
hwpolicy	Hardware Policy Driver	C:\Windows\system32\drivers\hwpolicy.sys	6.3.9600.16384	Kernel Driver	False	Boot	Stopp
hyperkbd	hyperkbd	C:\Windows\system32\drivers\hyperkbd.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
HyperVideo	HyperVideo	C:\Windows\system32\DRIVERS\HyperVideo.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
i8042prt	i8042 Keyboard and PS/2 Mouse Port Driver	C:\Windows\system32\drivers\i8042prt.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
iaStorAV	Intel(R) SATA RAID Controller Windows	C:\Windows\system32\drivers\iaStorAV.sys	12.0.1.1018	Kernel Driver	False	Manual	Stopp
iaStorV	Intel RAID Controller Windows 7	C:\Windows\system32\drivers\iaStorV.sys	8.6.2.1019	Kernel Driver	False	Manual	Stopp
ibbus	Mellanox InfiniBand Bus/AL (Filter Driver)	C:\Windows\system32\drivers\ibbus.sys	4.4.13905.0	Kernel Driver	False	Manual	Stopp
intelide	intelide	C:\Windows\system32\drivers\intelide.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
intelppm	Intel Processor Driver	C:\Windows\system32\drivers\intelppm.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
IpFilterDriver	IP Traffic Filter Driver	C:\Windows\system32\DRIVERS\ipfltdrv.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
IPMIDRV	IPMIDRV	C:\Windows\system32\drivers\IPMIDrv.sys	6.3.9600.17238	Kernel Driver	True	Manual	Runni
IPNAT	IP Network Address Translator	C:\Windows\system32\drivers\ipnat.sys	6.3.9600.16477	Kernel Driver	False	Manual	Stopp
isapnp	isapnp	C:\Windows\system32\drivers\isapnp.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
iScsiPrt	iScsiPort Driver	C:\Windows\system32\drivers\msiscsi.sys	6.3.9600.17090	Kernel Driver	True	Manual	Runni
kbdclass	Keyboard Class Driver	C:\Windows\system32\drivers\kbdclass.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
kbdhid	Keyboard HID Driver	C:\Windows\system32\drivers\kbdhid.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
kdnic	Microsoft Kernel Debug Network Miniport (NDIS 6.20)	C:\Windows\system32\DRIVERS\kdnic.sys	6.1.0.0	Kernel Driver	True	Manual	Runni
KSecDD	KSecDD	C:\Windows\system32\Drivers\ksecdd.sys	6.3.9600.16408	Kernel Driver	True	Boot	Runni
KSecPkg	KSecPkg	C:\Windows\system32\Drivers\ksecpkg.sys	6.3.9600.17334	Kernel Driver	True	Boot	Runni
ksthunk	Kernel Streaming Thunks	C:\Windows\system32\drivers\ksthunk.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp

ltdio	Link-Layer Topology Discovery Mapper I/O Driver	C:\Windows\system32\DRIVERS\ltdio.sys	6.3.9600.16384	Kernel Driver	True	Auto	Runni
LSI_SAS	LSI_SAS	C:\Windows\system32\drivers\lsi_sas.sys	1.34.3.82	Kernel Driver	False	Manual	Stopp
LSI_SAS2	LSI_SAS2	C:\Windows\system32\drivers\lsi_sas2.sys	2.0.60.82	Kernel Driver	False	Manual	Stopp
LSI_SAS3	LSI_SAS3	C:\Windows\system32\drivers\lsi_sas3.sys	2.50.65.1	Kernel Driver	False	Manual	Stopp
LSI_SSS	LSI_SSS	C:\Windows\system32\drivers\lsi_sss.sys	2.10.61.81	Kernel Driver	False	Manual	Stopp
luaflv	UAC File Virtualization	C:\Windows\system32\drivers\luaflv.sys	6.3.9600.17031	File System Driver	True	Auto	Runni
lunparser	LUN Parser	C:\Windows\system32\drivers\lunparser.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
megasas	megasas	C:\Windows\system32\drivers\megasas.sys	6.3.9466.0	Kernel Driver	False	Manual	Stopp
megasr	megasr	C:\Windows\system32\drivers\megasr.sys	15.2.2013.129	Kernel Driver	False	Manual	Stopp
mlx4_bus	Mellanox ConnectX Bus Enumerator	C:\Windows\system32\drivers\mlx4_bus.sys	4.4.13905.0	Kernel Driver	False	Manual	Stopp
Modem	Modem	C:\Windows\system32\drivers\modem.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
monitor	Microsoft Monitor Class Function Driver Service	C:\Windows\system32\drivers\monitor.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
mouclass	Mouse Class Driver	C:\Windows\system32\drivers\mouclass.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
mouhid	Mouse HID Driver	C:\Windows\system32\drivers\mouhid.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
mountmgr	Mount Point Manager	C:\Windows\system32\drivers\mountmgr.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
mpio	Microsoft Multi-Path Bus Driver	C:\Windows\system32\drivers\mpio.sys	6.3.9600.17276	Kernel Driver	True	Boot	Runni
mpsdrv	Windows Firewall Authorization Driver	C:\Windows\system32\drivers\mpsdrv.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
mrxsmb	SMB MiniRedirector Wrapper and Engine	C:\Windows\system32\DRIVERS\mrxsmb.sys	6.3.9600.17111	File System Driver	True	Manual	Runni
mrxsmb10	SMB 1.x MiniRedirector	C:\Windows\system32\DRIVERS\mrxsmb10.sys	6.3.9600.17041	File System Driver	True	Auto	Runni
mrxsmb20	SMB 2.0 MiniRedirector	C:\Windows\system32\DRIVERS\mrxsmb20.sys	6.3.9600.17216	File System Driver	True	Manual	Runni
MsBridge	Microsoft MAC Bridge	C:\Windows\system32\DRIVERS\bridge.sys	6.3.9600.17238	Kernel Driver	False	Manual	Stopp
msdsm	Microsoft Multi-Path Device Specific Module	C:\Windows\system32\drivers\msdsm.sys	6.3.9600.17276	Kernel Driver	True	Boot	Runni
Msfs	Msfs	C:\Windows\system32\drivers\Msfs.sys	6.3.9600.16384	File System Driver	True	System	Runni
mshidkmdf	Pass-through HID to KMDf Filter Driver	C:\Windows\system32\drivers\mshidkmdf.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
mshidumdf	Pass-through HID to UMDf Driver	C:\Windows\system32\drivers\mshidumdf.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
msisadv	msisadv	C:\Windows\system32\drivers\msisadv.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
MsLbfoProvider	Microsoft Load Balancing/Failover Provider	C:\Windows\system32\DRIVERS\MsLbfoProvider.sys	6.3.9600.17326	Kernel Driver	False	Manual	Stopp
MsRPC	MsRPC	C:\Windows\system32\drivers\MsRPC.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
mssmbios	Microsoft System Management BIOS Driver	C:\Windows\system32\drivers\mssmbios.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
MTConfig	Microsoft Input Configuration Driver	C:\Windows\system32\drivers\MTConfig.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
Mup	Mup	C:\Windows\system32\Drivers\mup.sys	6.3.9600.16384	File System Driver	True	Boot	Runni
mvumis	mvumis	C:\Windows\system32\drivers\mvumis.sys	1.0.5.1015	Kernel Driver	False	Manual	Stopp
ndfltr	NetworkDirect Service	C:\Windows\system32\drivers\ndfltr.sys	4.4.13905.0	Kernel Driver	False	Manual	Stopp
NDIS	NDIS System Driver	C:\Windows\system32\drivers\ndis.sys	6.3.9600.17199	Kernel Driver	True	Boot	Runni
NdisCap	Microsoft NDIS Capture	C:\Windows\system32\DRIVERS\ndiscap.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
NdisImPlatform	Microsoft Network Adapter Multiplexor Protocol	C:\Windows\system32\DRIVERS\NdisImPlatform.sys	6.3.9600.17238	Kernel Driver	False	Manual	Stopp
NdisTapi	Remote Access NDIS TAPI Driver	C:\Windows\system32\DRIVERS\ndistapi.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
Ndisuio	NDIS Usermode I/O Protocol	C:\Windows\system32\DRIVERS\ndisuio.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
NdisVirtualBus	Microsoft Virtual Network Adapter Enumerator	C:\Windows\system32	6.3.9600.16384	Kernel	True	Manual	Runni

NdisWan	Remote Access NDIS WAN Driver	\\drivers\\NdisVirtualBus.sys		Driver				
		C:\\Windows\\system32\\drivers\\ndiswan.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni	
NDISWANLEGACY	Remote Access LEGACY NDIS WAN Driver	C:\\Windows\\system32\\DRIVERS\\ndiswan.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
NDProxy	NDIS Proxy	C:\\Windows\\system32\\drivers\\NDProxy.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni	
NetBIOS	NetBIOS Interface	C:\\Windows\\system32\\DRIVERS\\netbios.sys	6.3.9600.16384	File System Driver	True	System	Runni	
NetBT	NetBT	C:\\Windows\\system32\\DRIVERS\\netbt.sys	6.3.9600.16384	Kernel Driver	True	System	Runni	
Netft	Cluster Virtual Miniport Driver	C:\\Windows\\system32\\drivers\\netft.sys	6.3.9600.17078	Kernel Driver	True	Manual	Runni	
netvsc	netvsc	C:\\Windows\\system32\\DRIVERS\\netvsc63.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
Npfs	Npfs	C:\\Windows\\system32\\drivers\\Npfs.sys	6.3.9600.16384	File System Driver	True	System	Runni	
npsvctrig	Named pipe service trigger provider	C:\\Windows\\system32\\drivers\\npsvctrig.sys	6.3.9600.16384	Kernel Driver	True	System	Runni	
nsiproxy	NSI Proxy Service Driver	C:\\Windows\\system32\\drivers\\nsiproxy.sys	6.3.9600.16384	Kernel Driver	True	System	Runni	
Ntfs	Ntfs	C:\\Windows\\system32\\drivers\\Ntfs.sys	6.3.9600.17238	File System Driver	True	Manual	Runni	
Null	Null	C:\\Windows\\system32\\drivers\\Null.sys	6.3.9600.16384	Kernel Driver	True	System	Runni	
nv_agp	NVIDIA nForce AGP Bus Filter	C:\\Windows\\system32\\drivers\\nv_agp.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
nvraid	nvraid	C:\\Windows\\system32\\drivers\\nvraid.sys	10.6.0.22	Kernel Driver	False	Manual	Stopp	
nvstor	nvstor	C:\\Windows\\system32\\drivers\\nvstor.sys	10.6.0.22	Kernel Driver	False	Manual	Stopp	
Parport	Parallel port driver	C:\\Windows\\system32\\drivers\\parport.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
partmgr	Partition Manager	C:\\Windows\\system32\\drivers\\partmgr.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni	
passthruarser	PassthroughParser	C:\\Windows\\system32\\drivers\\passthruarser.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
pci	PCI Bus Driver	C:\\Windows\\system32\\drivers\\pci.sys	6.3.9600.17238	Kernel Driver	True	Boot	Runni	
pciide	pciide	C:\\Windows\\system32\\drivers\\pciide.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni	
pcmcia	pcmcia	C:\\Windows\\system32\\drivers\\pcmcia.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
pcw	Performance Counters for Windows Driver	C:\\Windows\\system32\\drivers\\pcw.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni	
pdcd	pdcd	C:\\Windows\\system32\\drivers\\pdcd.sys	6.3.9600.16453	Kernel Driver	True	Boot	Runni	
PEAUTH	PEAUTH	C:\\Windows\\system32\\drivers\\peauth.sys	6.3.9600.17031	Kernel Driver	True	Auto	Runni	
PptpMiniport	WAN Miniport (PPTP)	C:\\Windows\\system32\\drivers\\rasppptp.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni	
Processor	Processor Driver	C:\\Windows\\system32\\drivers\\processr.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
Psched	QoS Packet Scheduler	C:\\Windows\\system32\\DRIVERS\\pacer.sys	6.3.9600.16384	Kernel Driver	True	System	Runni	
pvhdpaser	pvhdpaser	C:\\Windows\\system32\\drivers\\pvhdpaser.sys	6.3.9600.16397	Kernel Driver	False	Manual	Stopp	
ql2300	QLogic Fibre Channel STOR Miniport Driver (wx64 IP)	C:\\Windows\\system32\\DRIVERS\\ql2300.sys	9.1.7.16	Kernel Driver	True	Boot	Runni	
ql2300i	QLogic Fibre Channel STOR Miniport Inbox Driver (wx64)	C:\\Windows\\system32\\drivers\\ql2300i.sys	9.1.11.3	Kernel Driver	False	Manual	Stopp	
ql40xx2i	QLogic iSCSI Miniport Inbox Driver	C:\\Windows\\system32\\drivers\\ql40xx2i.sys	2.1.5.0	Kernel Driver	False	Manual	Stopp	
qlfcoei	QLogic [FCoE] STOR Miniport Inbox Driver (wx64)	C:\\Windows\\system32\\drivers\\qlfcoei.sys	9.1.11.3	Kernel Driver	False	Manual	Stopp	
RasAcD	Remote Access Auto Connection Driver	C:\\Windows\\system32\\DRIVERS\\rasacd.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp	
RasAgileVpn	WAN Miniport (IKEv2)	C:\\Windows\\system32\\DRIVERS\\AgileVpn.sys	6.3.9600.17111	Kernel Driver	True	Manual	Runni	
Rasl2tp	WAN Miniport (L2TP)	C:\\Windows\\system32\\drivers\\rasl2tp.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni	
RasPppoe	Remote Access PPPOE Driver	C:\\Windows\\system32\\drivers\\rasppoe.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni	
RasSstp	WAN Miniport (SSTP)	C:\\Windows\\system32\\DRIVERS\\rassstp.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni	
rdbs	Redirected Buffering Sub System	C:\\Windows\\system32\\DRIVERS\\rdbs.sys	6.3.9600.16493	File System Driver	True	System	Runni	
rdpbus	Remote Desktop Device Redirector Bus Driver	C:\\Windows\\system32\\drivers\\rdpbus.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni	

RDPDR	Remote Desktop Device Redirector Driver	C:\Windows\system32\drivers\rdpdr.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
RdpVideoMiniport	Remote Desktop Video Miniport Driver	C:\Windows\system32\drivers\rdpvideominiport.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
ReFS	ReFS	C:\Windows\system32\drivers\ReFS.sys	6.3.9600.17031	File System Driver	False	Manual	Stopp
ResumeKeyFilter	Resume Key Filter	C:\Windows\system32\drivers\ResumeKeyFilter.sys	6.3.9600.17088	File System Driver	True	Auto	Runni
rspndr	Link-Layer Topology Discovery Responder	C:\Windows\system32\DRIVERS\rspndr.sys	6.3.9600.16384	Kernel Driver	True	Auto	Runni
s3cap	s3cap	C:\Windows\system32\drivers\vm3cap.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
sacdrv	sacdrv	C:\Windows\system32\DRIVERS\sacdrv.sys	6.3.9600.16384	Kernel Driver	False	Boot	Stopp
sbp2port	SBP-2 Transport/Protocol Bus Driver	C:\Windows\system32\drivers\sbp2port.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
scfilter	Smart card PnP Class Filter Driver	C:\Windows\system32\DRIVERS\scfilter.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
sdbus	sdbus	C:\Windows\system32\drivers\sdbus.sys	6.3.9600.17031	Kernel Driver	False	Manual	Stopp
sdstor	SD Storage Port Driver	C:\Windows\system32\drivers\sdstor.sys	6.3.9600.17031	Kernel Driver	False	Manual	Stopp
secdrv	Security Driver	C:\Windows\system32\drivers\secdrv.sys	4.3.86.0	Kernel Driver	True	Auto	Runni
SerCx	Serial UART Support Library	C:\Windows\system32\drivers\SerCx.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
SerCx2	Serial UART Support Library	C:\Windows\system32\drivers\SerCx2.sys	6.3.9600.16444	Kernel Driver	False	Manual	Stopp
Serenum	Serenum Filter Driver	C:\Windows\system32\drivers\serenum.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
Serial	Serial port driver	C:\Windows\system32\drivers\serial.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
sermouse	Serial Mouse Driver	C:\Windows\system32\drivers\sermouse.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
sfloppy	High-Capacity Floppy Disk Drive	C:\Windows\system32\drivers\sfloppy.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
SISRaid2	SISRaid2	C:\Windows\system32\drivers\SISRaid2.sys	5.1.1039.2600	Kernel Driver	False	Manual	Stopp
SISRaid4	SISRaid4	C:\Windows\system32\drivers\sisraid4.sys	5.1.1039.3600	Kernel Driver	False	Manual	Stopp
smbdirect	smbdirect	C:\Windows\system32\DRIVERS\smbdirect.sys	6.3.9600.17056	File System Driver	False	Manual	Stopp
spaceport	Storage Spaces Driver	C:\Windows\system32\drivers\spaceport.sys	6.3.9600.17238	Kernel Driver	True	Boot	Runni
SpbCx	Simple Peripheral Bus Support Library	C:\Windows\system32\drivers\SpbCx.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
srv	Server SMB 1.xxx Driver	C:\Windows\system32\DRIVERS\srv.sys	6.3.9600.17238	File System Driver	True	Auto	Runni
srv2	Server SMB 2.xxx Driver	C:\Windows\system32\DRIVERS\srv2.sys	6.3.9600.17238	File System Driver	True	Manual	Runni
srvnet	srvnet	C:\Windows\system32\DRIVERS\srvnet.sys	6.3.9600.17222	File System Driver	True	Manual	Runni
stexstor	stexstor	C:\Windows\system32\drivers\stexstor.sys	5.1.0.10	Kernel Driver	False	Manual	Stopp
storahci	Microsoft Standard SATA AHCI Driver	C:\Windows\system32\drivers\storahci.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
storflt	Hyper-V Storage Accelerator	C:\Windows\system32\DRIVERS\vmstorfl.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
stornvme	Microsoft Standard NVM Express Driver	C:\Windows\system32\drivers\stornvme.sys	6.3.9600.16421	Kernel Driver	False	Manual	Stopp
storvsc	storvsc	C:\Windows\system32\drivers\storvsc.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
storvsp	storvsp	C:\Windows\system32\drivers\storvsp.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
svhdxflt	Shared VHDX File Access Filter Driver	C:\Windows\system32\drivers\svhdxflt.sys	6.3.9600.17238	File System Driver	True	Auto	Runni
swenum	Software Bus Driver	C:\Windows\system32\drivers\swenum.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
Tcpip	TCP/IP Protocol Driver	C:\Windows\system32\drivers\tcpip.sys	6.3.9600.17336	Kernel Driver	True	Boot	Runni
TCPIP6	Microsoft IPv6 Protocol Driver	C:\Windows\system32\DRIVERS\tcpip.sys	6.3.9600.17336	Kernel Driver	False	Manual	Stopp
tcpipreg	TCP/IP Registry Compatibility	C:\Windows\system32\drivers\tcpipreg.sys	6.3.9600.17041	Kernel Driver	True	Auto	Runni
tdx	NetIO Legacy TDI Support Driver	C:\Windows\system32\DRIVERS\tdx.sys	6.3.9600.16384	Kernel Driver	True	System	Runni

terminpt	Microsoft Remote Desktop Input Driver	C:\Windows\system32\drivers\terminpt.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
TPM	TPM	C:\Windows\system32\drivers\tpm.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
TsUsbFit	TsUsbFit	C:\Windows\system32\drivers\tsusbflt.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
TsUsbGD	Remote Desktop Generic USB Device	C:\Windows\system32\drivers\TsUsbGD.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
tsusbhub	Remote Desktop USB Hub	C:\Windows\system32\drivers\tsusbhub.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
tunnel	Microsoft Tunnel Miniport Adapter Driver	C:\Windows\system32\DRIVERS\tunnel.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
uagp35	Microsoft AGPv3.5 Filter	C:\Windows\system32\drivers\uagp35.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
UASPStor	USB Attached SCSI (UAS) Driver	C:\Windows\system32\drivers\uasstor.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
UCX01000	USB Controller Extension	C:\Windows\system32\drivers\ucx01000.sys	6.3.9600.17031	Kernel Driver	True	Manual	Runni
udfs	udfs	C:\Windows\system32\DRIVERS\udfs.sys	6.3.9600.16384	File System Driver	False	Disabled	Stopp
UEFI	Microsoft UEFI Driver	C:\Windows\system32\drivers\UEFI.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
uliagpkx	Uli AGP Bus Filter	C:\Windows\system32\drivers\uliagpkx.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
umbus	UMBus Enumerator Driver	C:\Windows\system32\drivers\umbus.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
UmPass	Microsoft UMPass Driver	C:\Windows\system32\drivers\umpass.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
usbccgp	Microsoft USB Generic Parent Driver	C:\Windows\system32\drivers\usbccgp.sys	6.3.9600.17238	Kernel Driver	True	Manual	Runni
usbehci	Microsoft USB 2.0 Enhanced Host Controller Miniport Driver	C:\Windows\system32\drivers\usbehci.sys	6.3.9600.17195	Kernel Driver	True	Manual	Runni
usbhub	Microsoft USB Standard Hub Driver	C:\Windows\system32\drivers\usbhub.sys	6.3.9600.17238	Kernel Driver	True	Manual	Runni
USBHUB3	SuperSpeed Hub	C:\Windows\system32\drivers\UsbHub3.sys	6.3.9600.17238	Kernel Driver	True	Manual	Runni
usbohci	Microsoft USB Open Host Controller Miniport Driver	C:\Windows\system32\drivers\usbohci.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
usbprint	Microsoft USB PRINTER Class	C:\Windows\system32\drivers\usbprint.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
USBSTOR	USB Mass Storage Driver	C:\Windows\system32\drivers\USBSTOR.SYS	6.3.9600.17331	Kernel Driver	False	Manual	Stopp
usbuhci	Microsoft USB Universal Host Controller Miniport Driver	C:\Windows\system32\drivers\usbuhci.sys	6.3.9600.17195	Kernel Driver	False	Manual	Stopp
USBXHCI	USB xHCI Compliant Host Controller	C:\Windows\system32\drivers\USBXHCI.SYS	6.3.9600.17031	Kernel Driver	True	Manual	Runni
vdrvroot	Microsoft Virtual Drive Enumerator	C:\Windows\system32\drivers\vdrvroot.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
VerifierExt	VerifierExt	C:\Windows\system32\drivers\VerifierExt.sys	6.3.9600.16404	Kernel Driver	False	Manual	Stopp
vhdmp	vhdmp	C:\Windows\system32\drivers\vhdmp.sys	6.3.9600.16521	Kernel Driver	False	Manual	Stopp
vhdparser	vhdparser	C:\Windows\system32\drivers\vhdparser.sys	6.3.9600.16520	Kernel Driver	False	Manual	Stopp
viaide	viaide	C:\Windows\system32\drivers\viaide.sys	6.0.6000.170	Kernel Driver	False	Manual	Stopp
Vid	Vid	C:\Windows\system32\drivers\Vid.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
vmbus	Virtual Machine Bus	C:\Windows\system32\drivers\vmbus.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
VMBusHID	VMBusHID	C:\Windows\system32\drivers\VMBusHID.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
vmbusr	Virtual Machine Bus Provider	C:\Windows\system32\drivers\vmbusr.sys	6.3.9600.16384	Kernel Driver	True	Manual	Runni
VMSMP	VMSMP	C:\Windows\system32\DRIVERS\vmswitch.sys	6.3.9600.17326	Kernel Driver	True	Manual	Runni
VMSP	VMSP	C:\Windows\system32\DRIVERS\vmswitch.sys	6.3.9600.17326	Kernel Driver	False	Manual	Stopp
VMSVSF	VMSVSF	C:\Windows\system32\DRIVERS\vmswitch.sys	6.3.9600.17326	Kernel Driver	False	Manual	Stopp
VMSVSP	VMSVSP	C:\Windows\system32\DRIVERS\vmswitch.sys	6.3.9600.17326	Kernel Driver	False	Manual	Stopp
volmgr	Volume Manager Driver	C:\Windows\system32\drivers\volmgr.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
volmgrx	Dynamic Volume Manager	C:\Windows\system32\drivers\volmgrx.sys	6.3.9600.16384	Kernel Driver	True	Boot	Runni
volsnap	Storage volumes	C:\Windows\system32\drivers\volsnap.sys	6.3.9600.17215	Kernel Driver	True	Boot	Runni
vpci	Microsoft Hyper-V Virtual PCI Bus	C:\Windows\system32\drivers\vpci.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
vpcivsp	Microsoft Hyper-V PCI Server	C:\Windows\system32	6.3.9600.16384	Kernel	True	Manual	Runni

vsmraid	vsmraid	\drivers\vpvcivsp.sys	7.0.9200.6320	Driver	False	Manual	Stopp
VSTXRAID	VIA StorX Storage RAID Controller Windows Driver	C:\Windows\system32\drivers\vsmraid.sys	8.0.9200.8110	Kernel Driver	False	Manual	Stopp
WacomPen	Wacom Serial Pen HID Driver	C:\Windows\system32\drivers\wacompen.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
Wanarp	Remote Access IP ARP Driver	C:\Windows\system32\DRIVERS\wanarp.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
Wanarpv6	Remote Access IPv6 ARP Driver	C:\Windows\system32\DRIVERS\wanarp.sys	6.3.9600.16384	Kernel Driver	True	System	Runni
Wdf01000	Kernel Mode Driver Frameworks service	C:\Windows\system32\drivers\Wdf01000.sys	1.13.9600.16384	Kernel Driver	True	Boot	Runni
WFPLWFS	Microsoft Windows Filtering Platform	C:\Windows\system32\DRIVERS\wfpplwfs.sys	6.3.9600.17042	Kernel Driver	True	Boot	Runni
WIMMount	WIMMount	C:\Windows\system32\drivers\wimmount.sys	6.3.9600.16384	File System Driver	False	Manual	Stopp
WinMad	WinMad Service	C:\Windows\system32\drivers\winmad.sys	4.4.13905.0	Kernel Driver	False	Manual	Stopp
WinNat	Windows NAT Driver	C:\Windows\system32\drivers\winnat.sys	6.3.9600.16519	Kernel Driver	False	Manual	Stopp
WinVerbs	WinVerbs Service	C:\Windows\system32\drivers\winverbs.sys	4.4.13905.0	Kernel Driver	False	Manual	Stopp
WmiAcpi	Microsoft Windows Management Interface for ACPI	C:\Windows\system32\drivers\wmiacpi.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
ws2ifsl	Winsock IFS Driver	C:\Windows\system32\drivers\ws2ifsl.sys	6.3.9600.16384	Kernel Driver	False	Disabled	Stopp
wtlmdrv	Microsoft iSCSI Target LocalMount Adapter	C:\Windows\system32\drivers\wtlmdrv.sys	6.3.9600.16384	Kernel Driver	False	Manual	Stopp
WudfPf	User Mode Driver Frameworks Platform Driver	C:\Windows\system32\drivers\WudfPf.sys	6.3.9600.17195	Kernel Driver	False	Manual	Stopp

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List System Information

Description: List system information such as computer model and domain.



hyperv1.kerberos.dnuk.lan

[Gathering System Information for hyperv1.kerberos.dnuk.lan](#)

Item	Value
System Name	HYPERV1
System Manufacturer	empty
System Model	empty
User Name	Value Not Found
Domain	kerberos.dnuk.lan
Time Zone	GMT Standard Time
Daylight in Effect	False
System Type	64-bit x64 Family
Number Of Processors	2
Processor #1	AuthenticAMD AMD64 Family 21 Model 1 Stepping 2 at 2.05 GHz
Processor #2	AuthenticAMD AMD64 Family 21 Model 1 Stepping 2 at 2.05 GHz



hyperv2.kerberos.dnuk.lan

[Gathering System Information for hyperv2.kerberos.dnuk.lan](#)

Item	Value
System Name	HYPERV2
System Manufacturer	empty
System Model	empty
User Name	Value Not Found
Domain	kerberos.dnuk.lan
Time Zone	GMT Standard Time
Daylight in Effect	False
System Type	64-bit x64 Family

Number Of Processors
Processor #1

1
AuthenticAMD AMD64 Family 21 Model 1 Stepping 2 at 2.05 GHz

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List Unsigned Drivers

Description: List the unsigned drivers on each node.



hyperv1.kerberos.dnuk.lan

Gathering Unsigned Drivers for hyperv1.kerberos.dnuk.lan

None found...



hyperv2.kerberos.dnuk.lan

Gathering Unsigned Drivers for hyperv2.kerberos.dnuk.lan

None found...

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Validate Active Directory Configuration

Description: Validate that all the nodes have the same domain, domain role, and organizational unit.

Validating that all nodes have the same domain, domain role, and organizational unit.

Fqdn	Domain	Domain Role	Site Name	Organizational U
hyperv1.kerberos.dnuk.lan	kerberos.dnuk.lan	Member Server	Default-First-Site-Name	Computers
hyperv2.kerberos.dnuk.lan	kerberos.dnuk.lan	Member Server	Default-First-Site-Name	Computers

The server hyperv2.kerberos.dnuk.lan does not have the service principal name (SPN) MSServerClusterMgmtAPI/HYPERV2. This SPN is needed for cluster APIs to authenticate to the server by using Kerberos. To add SPNs on the server computer object, use the Set-ADComputer cmdlet with the -ServicePrincipalNames parameter.

The server hyperv2.kerberos.dnuk.lan does not have the service principal name (SPN) MSServerClusterMgmtAPI/hyperv2.kerberos.dnuk.lan. This SPN is needed for cluster APIs to authenticate to the server by using Kerberos. To add SPNs on the server computer object, use the Set-ADComputer cmdlet with the -ServicePrincipalNames parameter.

Node(s) hyperv1.kerberos.dnuk.lan hyperv2.kerberos.dnuk.lan can reach a writable domain controller.

The user can create computer objects in the 'kerberos.dnuk.lan' domain in the 'CN=Computers,DC=kerberos,DC=dnuk,DC=lan' organizational unit.

To successfully create a cluster, either the installer must have the privileges needed to create computer objects in the container of the cluster node computer objects, or a computer object must be pre-created by a domain administrator.

The user creating the cluster requires the 'Create Computer Object' permission on the container where computer objects are created in the domain. If the default container has been modified, then this privilege will need to be granted to the user for the new container.

If a pre-existing computer object is used, please ensure that the computer object is in a Disabled state and that the user creating the cluster has 'Full Control' permission to that computer object using the Active Directory Users and Computers tool prior to creating the cluster.

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Validate All Drivers Signed

Description: Validate that tested servers contain only signed drivers.

Validating that the servers contain only signed drivers...

The servers contain only signed drivers.

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Validate Cluster Network Configuration

Description: Validate the cluster networks that would be created for these servers.

Network: Cluster Network 1

DHCP Enabled: [False](#)

Network Role: [Enabled](#)

Prefix	Prefix Length
192.168.0.0	24

Item	Value
Network Interface	hyperv1.kerberos.dnuk.lan - vEthernet (Virtual Switch)
DHCP Enabled	False
Connected to iSCSI target	False
IP Address	192.168.0.196
Prefix Length	24

Item	Value
Network Interface	hyperv2.kerberos.dnuk.lan - vEthernet (Virtual Switch)
DHCP Enabled	False
Connected to iSCSI target	False
IP Address	192.168.0.197
Prefix Length	24

Network: Cluster Network 2

DHCP Enabled: [False](#)

Network Role: [Internal](#)

Prefix	Prefix Length
192.168.90.0	24

Item	Value
Network Interface	hyperv1.kerberos.dnuk.lan - cluster
DHCP Enabled	False
Connected to iSCSI target	False
IP Address	192.168.90.196
Prefix Length	24

Item	Value
Network Interface	hyperv2.kerberos.dnuk.lan - cluster
DHCP Enabled	False
Connected to iSCSI target	False
IP Address	192.168.90.197
Prefix Length	24

Network: Cluster Network 3

DHCP Enabled: [False](#)

Network Role: [Disabled](#)

One or more interfaces on this network are connected to an iSCSI Target. This network will not be used for cluster communication.

Prefix	Prefix Length
192.168.55.0	24

Item	Value
Network Interface	hyperv1.kerberos.dnuk.lan - iscsi-2
DHCP Enabled	False
Connected to iSCSI target	True
IP Address	192.168.55.196

Prefix Length 24

Item	Value
Network Interface	hyperv2.kerberos.dnuk.lan - iscsi-2
DHCP Enabled	False
Connected to iSCSI target	True
IP Address	192.168.55.197
Prefix Length	24

Network: Cluster Network 4

DHCP Enabled: False

Network Role: Disabled

One or more interfaces on this network are connected to an iSCSI Target. This network will not be used for cluster communication.

Prefix	Prefix Length
192.168.44.0	24

Item	Value
Network Interface	hyperv1.kerberos.dnuk.lan - iscsi-1
DHCP Enabled	False
Connected to iSCSI target	True
IP Address	192.168.44.196
Prefix Length	24

Item	Value
Network Interface	hyperv2.kerberos.dnuk.lan - iscsi-1
DHCP Enabled	False
Connected to iSCSI target	True
IP Address	192.168.44.197
Prefix Length	24

Verifying that each cluster network interface within a cluster network is configured with the same IP subnets.

Examining network Cluster Network 1.

Network interface hyperv2.kerberos.dnuk.lan - vEthernet (Virtual Switch) has addresses on all the subnet prefixes of network Cluster Network 1.

Network interface hyperv1.kerberos.dnuk.lan - vEthernet (Virtual Switch) has addresses on all the subnet prefixes of network Cluster Network 1.

Examining network Cluster Network 2.

Network interface hyperv1.kerberos.dnuk.lan - cluster has addresses on all the subnet prefixes of network Cluster Network 2.

Network interface hyperv2.kerberos.dnuk.lan - cluster has addresses on all the subnet prefixes of network Cluster Network 2.

Examining network Cluster Network 3.

Network interface hyperv1.kerberos.dnuk.lan - iscsi-2 has addresses on all the subnet prefixes of network Cluster Network 3.

Network interface hyperv2.kerberos.dnuk.lan - iscsi-2 has addresses on all the subnet prefixes of network Cluster Network 3.

Examining network Cluster Network 4.

Network interface hyperv1.kerberos.dnuk.lan - iscsi-1 has addresses on all the subnet prefixes of network Cluster Network 4.

Network interface hyperv2.kerberos.dnuk.lan - iscsi-1 has addresses on all the subnet prefixes of network Cluster Network 4.

Verifying that, for each cluster network, all adapters are consistently configured with either DHCP or static IP addresses.

Checking DHCP consistency for network: Cluster Network 1. Network DHCP status is disabled.

DHCP status (disabled) for network interface hyperv2.kerberos.dnuk.lan - vEthernet (Virtual Switch) matches network Cluster Network 1.

DHCP status (disabled) for network interface hyperv1.kerberos.dnuk.lan - vEthernet (Virtual Switch) matches network Cluster Network 1.

Checking DHCP consistency for network: Cluster Network 2. Network DHCP status is disabled.

DHCP status (disabled) for network interface hyperv1.kerberos.dnuk.lan - cluster matches network Cluster Network 2.

DHCP status (disabled) for network interface hyperv2.kerberos.dnuk.lan - cluster matches network Cluster Network 2.

Checking DHCP consistency for network: Cluster Network 3. Network DHCP status is disabled.

DHCP status (disabled) for network interface hyperv1.kerberos.dnuk.lan - iscsi-2 matches network Cluster Network 3.

DHCP status (disabled) for network interface hyperv2.kerberos.dnuk.lan - iscsi-2 matches network Cluster Network 3.

Checking DHCP consistency for network: Cluster Network 4. Network DHCP status is disabled.

DHCP status (disabled) for network interface hyperv1.kerberos.dnuk.lan - iscsi-1 matches network Cluster Network 4.

DHCP status (disabled) for network interface hyperv2.kerberos.dnuk.lan - iscsi-1 matches network Cluster Network 4.

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Validate Compatibility of Virtual Fibre Channel SANs for Hyper-V

Description: Validate that all specified nodes share the same set of virtual Fibre Channel storage area networks (SANs).

Gathering information about virtual Fibre Channel storage area networks (SANs) used by servers running Hyper-V.

Node	Virtual Fibre Channel SANs
hyperv1.kerberos.dnuk.lan	
hyperv2.kerberos.dnuk.lan	

Processing information about virtual Fibre Channel storage area networks (SANs) used by servers running Hyper-V.

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Validate CSV Network Bindings

Description: Validate that network bindings required by Cluster Shared Volumes are present.

Start: 10/29/2014 4:02:17 PM.

Validating File and Print Sharing network binding on node hyperv1.kerberos.dnuk.lan.

Validating File and Print Sharing network binding on node hyperv2.kerberos.dnuk.lan.

Stop: 10/29/2014 4:02:17 PM.

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Validate CSV Settings

Description: Validate that settings and configuration required by Cluster Shared Volumes are present. This test can only be run with an administrative account, and it only tests servers that are cluster nodes.

Start: 10/29/2014 4:02:17 PM.

Validating Server Message Block (SMB) share access through the IP address of the fault tolerant network driver for failover clustering (NetFT), and connecting with the user account associated with validation.

Begin Cluster Shared Volumes support testing on node hyperv1.kerberos.dnuk.lan.

Server hyperv1.kerberos.dnuk.lan is not a clustered node. This test is only run on clustered nodes.

Begin Cluster Shared Volumes support testing on node hyperv2.kerberos.dnuk.lan.

Server hyperv2.kerberos.dnuk.lan is not a clustered node. This test is only run on clustered nodes.

This test requires more than one node. If your cluster contains more than one node, please run validation tests again with more than one node specified.

Stop: 10/29/2014 4:02:17 PM.

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Validate Disk Access Latency

Description: Validate acceptable latency for disk read and write operations.

Start: 10/29/2014 4:02:17 PM.

Validating read latency of Test Disks.

Validating write latency of Test Disks.

Stop: 10/29/2014 4:02:17 PM.

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Validate Disk Arbitration

Description: Validate that a node that owns a disk retains ownership after disk arbitration.

Start: 10/29/2014 4:02:19 PM.

Arbitration testing completed successfully on all disks.

Stop: 10/29/2014 4:02:31 PM.

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Validate Disk Failover

Description: Validate that a disk can fail over successfully with data intact.

Start: 10/29/2014 4:02:37 PM.

Failover testing completed successfully on all disks.

Stop: 10/29/2014 4:02:50 PM.

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Validate File System

Description: Validate that the file system on disks in shared storage is supported by failover clusters and Cluster Shared Volumes (CSVs). Failover cluster physical disk resources support NTFS, ReFS, FAT32, FAT, and RAW. Only volumes formatted as NTFS or ReFS are accessible in disks added as CSVs.

Start: 10/29/2014 4:02:50 PM.

File System type on Test Disk 0 partition table entry 1 is NTFS.

Stop: 10/29/2014 4:02:53 PM.

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Validate Hyper-V Memory Resource Pool Compatibility

Description: Validate that all specified nodes share the same set of memory resource pools.

Gathering information about memory resource pools used by servers running Hyper-V.

Node	Memory Resource Pools
hyperv1.kerberos.dnuk.lan	
hyperv2.kerberos.dnuk.lan	

Processing information about memory resource pools used by servers running Hyper-V.

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Validate Hyper-V Network Resource Pool And Virtual Switch Compatibility

Description: Validate that all specified nodes share the same set of network resource pools and virtual switches.

Gathering information about network resource pools used by servers running Hyper-V.

Node	Network Resource Pools	Virtual Ethernet Switches
------	------------------------	---------------------------

hyperv1.kerberos.dnuk.lan
hyperv2.kerberos.dnuk.lan

'Virtual Switch'
'Virtual Switch'

Processing information about network resource pools used by servers running Hyper-V.

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Validate Hyper-V Processor Resource Pool Compatibility

Description: Validate that all specified nodes share the same set of processor resource pools.

Gathering information about processor resource pools used by servers running Hyper-V.

Node	Processor Resource Pools
hyperv1.kerberos.dnuk.lan	
hyperv2.kerberos.dnuk.lan	

Processing information about processor resource pools used by servers running Hyper-V.

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Validate Hyper-V Role Installed

Description: Validate that all the nodes have the Hyper-V server role installed.

Validating that the Hyper-V server role is installed on all nodes.

Node	Hyper-V Installed
hyperv1.kerberos.dnuk.lan	True
hyperv2.kerberos.dnuk.lan	True

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Validate Hyper-V Storage Resource Pool Compatibility

Description: Validate that all specified nodes share the same set of storage resource pools.

Gathering information about storage resource pools used by servers running Hyper-V.

Node	Storage Resource Pools
hyperv1.kerberos.dnuk.lan	
hyperv2.kerberos.dnuk.lan	

Processing information about storage resource pools used by servers running Hyper-V.

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Validate IP Configuration

Description: Validate that IP addresses are unique and subnets configured correctly.



hyperv1.kerberos.dnuk.lan

Item	Name
Adapter Name	vEthernet (Virtual Switch)
Adapter Description	Hyper-V Virtual Ethernet Adapter #2
Physical Address	00-1B-21-60-B3-B1
Status	Operational
DNS Servers	192.168.0.157
IP Address	fe80::65fc:7ed9:a9f9:6b1f%29
Prefix Length	64

IP Address 192.168.0.196
Prefix Length 24

Item	Name
Adapter Name	Local Area Connection* 11
Adapter Description	Microsoft Failover Cluster Virtual Adapter
Physical Address	02-F8-3D-05-91-B3
Status	Not Operational
DNS Servers	
IP Address	fe80::2512:4a44:f4a6:126c%22
Prefix Length	64
IP Address	169.254.18.108
Prefix Length	16

Item	Name
Adapter Name	cluster
Adapter Description	Intel(R) 82576 Gigabit Dual Port Network Connection
Physical Address	00-E0-81-C6-78-F4
Status	Operational
DNS Servers	
IP Address	fe80::2579:83ee:ffe:a635%17
Prefix Length	64
IP Address	192.168.90.196
Prefix Length	24

Item	Name
Adapter Name	iscsi-2
Adapter Description	Emulex OneConnect OCe11102(R)-I 2-port 10GbE SFP+ PCIe iSCSI CNA #2
Physical Address	00-00-C9-EF-6C-DE
Status	Operational
DNS Servers	
IP Address	192.168.55.196
Prefix Length	24

Item	Name
Adapter Name	iscsi-1
Adapter Description	Emulex OneConnect OCe11102(R)-I 2-port 10GbE SFP+ PCIe iSCSI CNA
Physical Address	00-00-C9-EF-6C-DA
Status	Operational
DNS Servers	
IP Address	192.168.44.196
Prefix Length	24

Item	Name
Adapter Name	Loopback Pseudo-Interface 1
Adapter Description	Software Loopback Interface 1
Physical Address	
Status	Operational
DNS Servers	
IP Address	::1
Prefix Length	128
IP Address	127.0.0.1
Prefix Length	8

Item	Name
Adapter Name	isatap.{F2A76C5C-75DA-4017-A633-E68F247AFBA0}
Adapter Description	Microsoft ISATAP Adapter
Physical Address	00-00-00-00-00-00-E0
Status	Not Operational
DNS Servers	
IP Address	fe80::5efe:192.168.44.196%19
Prefix Length	128

Item	Name
Adapter Name	isatap.{CA7C8242-FD09-4803-850C-762B61D05097}
Adapter Description	Microsoft ISATAP Adapter #2
Physical Address	00-00-00-00-00-00-E0
Status	Not Operational
DNS Servers	
IP Address	fe80::5efe:192.168.0.196%20
Prefix Length	128

Item	Name
-------------	-------------

Adapter Name	isatap.{710D3AD3-9DCE-482A-A57D-0702F0ACB53D}
Adapter Description	Microsoft ISATAP Adapter #3
Physical Address	00-00-00-00-00-00-E0
Status	Not Operational
DNS Servers	
IP Address	fe80::5efe:192.168.55.196%24
Prefix Length	128

Item	Name
Adapter Name	isatap.{C0681F60-A795-482F-BA59-621183F44E97}
Adapter Description	Microsoft ISATAP Adapter #4
Physical Address	00-00-00-00-00-00-E0
Status	Not Operational
DNS Servers	
IP Address	fe80::5efe:192.168.90.196%25
Prefix Length	128



hyperv2.kerberos.dnuk.lan

Item	Name
Adapter Name	vEthernet (Virtual Switch)
Adapter Description	Hyper-V Virtual Ethernet Adapter #2
Physical Address	00-1B-21-50-05-DE
Status	Operational
DNS Servers	192.168.0.157
IP Address	fe80::2da8:96f2:aaba:55e%28
Prefix Length	64
IP Address	192.168.0.197
Prefix Length	24

Item	Name
Adapter Name	Local Area Connection* 11
Adapter Description	Microsoft Failover Cluster Virtual Adapter
Physical Address	02-27-CC-31-C6-33
Status	Not Operational
DNS Servers	
IP Address	fe80::4d25:233f:5cfd:d9f%23
Prefix Length	64
IP Address	169.254.13.159
Prefix Length	16

Item	Name
Adapter Name	cluster
Adapter Description	Intel(R) 82576 Gigabit Dual Port Network Connection
Physical Address	00-E0-81-C6-7D-CC
Status	Operational
DNS Servers	
IP Address	fe80::e893:799f:ca40:c91d%17
Prefix Length	64
IP Address	192.168.90.197
Prefix Length	24

Item	Name
Adapter Name	iscsi-2
Adapter Description	Emulex OneConnect OCe11102(R)-I 2-port 10GbE SFP+ PCIe iSCSI CNA #2
Physical Address	00-00-C9-EF-6C-74
Status	Operational
DNS Servers	
IP Address	192.168.55.197
Prefix Length	24

Item	Name
Adapter Name	iscsi-1
Adapter Description	Emulex OneConnect OCe11102(R)-I 2-port 10GbE SFP+ PCIe iSCSI CNA
Physical Address	00-00-C9-EF-6C-70
Status	Operational
DNS Servers	
IP Address	192.168.44.197
Prefix Length	24

Item	Name
Adapter Name	Loopback Pseudo-Interface 1
Adapter Description	Software Loopback Interface 1
Physical Address	
Status	Operational
DNS Servers	
IP Address	::1
Prefix Length	128
IP Address	127.0.0.1
Prefix Length	8
Item	Name
Adapter Name	isatap.{A475CD5E-9672-4B7C-B8F0-42F74920DD74}
Adapter Description	Microsoft ISATAP Adapter
Physical Address	00-00-00-00-00-00-E0
Status	Not Operational
DNS Servers	
IP Address	fe80::5efe:192.168.0.197%19
Prefix Length	128
Item	Name
Adapter Name	isatap.{0E3EA53B-0453-45B8-8965-5C6011B3FD00}
Adapter Description	Microsoft ISATAP Adapter #2
Physical Address	00-00-00-00-00-00-E0
Status	Not Operational
DNS Servers	
IP Address	fe80::5efe:192.168.55.197%20
Prefix Length	128
Item	Name
Adapter Name	isatap.{0F9F8386-48AB-47C0-A14C-7081B3C74CAF}
Adapter Description	Microsoft ISATAP Adapter #3
Physical Address	00-00-00-00-00-00-E0
Status	Not Operational
DNS Servers	
IP Address	fe80::5efe:192.168.44.197%21
Prefix Length	128
Item	Name
Adapter Name	isatap.{7EAB11D9-526C-4D6B-9EE2-004BCFF58833}
Adapter Description	Microsoft ISATAP Adapter #4
Physical Address	00-00-00-00-00-00-E0
Status	Not Operational
DNS Servers	
IP Address	fe80::5efe:192.168.90.197%22
Prefix Length	128

Verifying that a node does not have multiple adapters connected to the same subnet.

Verifying that each node has at least one adapter with a defined default gateway.

Verifying that there are no duplicate IP addresses between any pair of nodes.

Checking that nodes are consistently configured with IPv4 and/or IPv6 addresses.

Verifying that all nodes IPv4 networks are not configured using Automatic Private IP Addresses (APIPA).

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Validate Matching Processor Manufacturers

Description: Validate that all specified nodes share the same processor manufacturer.

Validating processor manufacturer compatibility.

Node	Processor Manufacturer	Version
hyperv1.kerberos.dnuk.lan	AuthenticAMD	AMD64 Family 21 Model 1 Stepping 2
hyperv2.kerberos.dnuk.lan	AuthenticAMD	AMD64 Family 21 Model 1 Stepping 2

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Validate Memory Dump Settings

Description: Validate that none of the nodes currently requires a reboot (as part of a software update) and that each node is configured to capture a memory dump if it stops running.

Validating software configuration.

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Validate Microsoft MPIO-based disks

Description: Validate that disks that use Microsoft Multipath I/O (MPIO) have been configured correctly.

Start: 10/29/2014 4:02:17 PM.

Test Disk 0 uses Microsoft Multipath I/O (MPIO).

Test Disk 0 from node hyperv1.kerberos.dnuk.lan has 2 usable path(s) to storage target.

Test Disk 0 from node hyperv2.kerberos.dnuk.lan has 2 usable path(s) to storage target.

Getting information about registered device-specific modules (DSMs) from node hyperv1.kerberos.dnuk.lan.



hyperv1.kerberos.dnuk.lan

Device-specific module (DSM) Name	Major Version	Minor Version	Product Build	QFE Number
Microsoft DSM	6	3	9600	17276

Getting information about registered device-specific modules (DSMs) from node hyperv2.kerberos.dnuk.lan.



hyperv2.kerberos.dnuk.lan

Device-specific module (DSM) Name	Major Version	Minor Version	Product Build	QFE Number
Microsoft DSM	6	3	9600	17276

Stop: 10/29/2014 4:02:17 PM.

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Validate Multiple Arbitration

Description: Validate that in a multiple-node arbitration process, only one node obtains control.

Start: 10/29/2014 4:02:31 PM.

Successfully arbitrated for Test Disk 0 from node hyperv2.kerberos.dnuk.lan.

Stop: 10/29/2014 4:02:37 PM.

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Validate Network Communication

Description: Validate that servers can communicate, with acceptable latency, on all networks.

Analyzing connectivity results ...

Multiple communication paths were detected between each pair of nodes.

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Validate Operating System Edition

Description: Validate that all tested servers are running operating system editions that include the Failover Clustering feature.

Validating that all servers are running editions that include Failover Clustering.

Node	Operating System Supports Clustering
hyperv1.kerberos.dnuk.lan	Supported
hyperv2.kerberos.dnuk.lan	Supported

All servers are running operating system editions that include the Failover Clustering feature.

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Validate Operating System Installation Option

Description: Validate that the operating systems on the servers use the same installation option.

Validating that the operating systems on the servers use the same installation option.

Node	Installation Type
hyperv1.kerberos.dnuk.lan	Full Install
hyperv2.kerberos.dnuk.lan	Full Install

The servers all use the same installation option.

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Validate Operating System Version

Description: Validate that the operating systems on the servers are the same version.

Validating that all servers have the same operating version.

Node	Operating System	Manufacturer
hyperv1.kerberos.dnuk.lan	Microsoft Windows Server 2012 R2 Standard	Microsoft Corporation
hyperv2.kerberos.dnuk.lan	Microsoft Windows Server 2012 R2 Standard	Microsoft Corporation

All servers have the same operating system version.

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Validate Required Services

Description: Validate that services required for failover clustering are running and configured properly.

Validating that services required for failover clustering are running and configured properly.



hyperv1.kerberos.dnuk.lan

Service	Display Name	Running	Starts Automatically
RPCSS	Remote Procedure Call (RPC)	Yes	Yes
RemoteRegistry	Remote Registry	Yes	Yes
Lanmanserver	Server	Yes	Yes
Lanmanworkstation	Workstation	Yes	Yes
WinMgmt	Windows Management Instrumentation	Yes	Yes
Netprofm	Network List Service	Yes	No

**hyperv2.kerberos.dnuk.lan**

Service	Display Name	Running	Starts Automatically
RPCSS	Remote Procedure Call (RPC)	Yes	Yes
RemoteRegistry	Remote Registry	Yes	Yes
Lanmanserver	Server	Yes	Yes
Lanmanworkstation	Workstation	Yes	Yes
WinMgmt	Windows Management Instrumentation	Yes	Yes
Netprofm	Network List Service	Yes	No

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Validate Same Processor Architecture

Description: Validate that all servers run as 64-bit systems.

Validating that all servers have the same processor architecture...

hyperv1.kerberos.dnuk.lan has x64 Family processor(s).

hyperv1.kerberos.dnuk.lan has 64-bit Architecture.

hyperv2.kerberos.dnuk.lan has x64 Family processor(s).

hyperv2.kerberos.dnuk.lan has 64-bit Architecture.

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Validate SCSI device Vital Product Data (VPD)

Description: Validate uniqueness of inquiry data (SCSI page 83h VPD descriptors).

Start: 10/29/2014 4:02:17 PM.

SCSI page 83h VPD descriptor verification completed without errors.

Stop: 10/29/2014 4:02:17 PM.

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Validate SCSI-3 Persistent Reservation

Description: Validate that storage supports the SCSI-3 Persistent Reservation commands.

Start: 10/29/2014 4:02:17 PM.

Test Disk 0 supports Persistent Reservation.

Stop: 10/29/2014 4:02:18 PM.

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Validate Service Pack Levels

Description: Validate that all servers with same operating system also have same service packs.

Validating that all servers have the same service pack level...

hyperv1.kerberos.dnuk.lan has no service pack installed.

hyperv2.kerberos.dnuk.lan has no service pack installed.

All servers have the same service pack level.

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Validate Simultaneous Failover

Description: Validate that disks can fail over simultaneously with data intact.

Validate Simultaneous Failover

Start: 10/29/2014 4:02:53 PM.

Failover testing completed successfully on all disks.

Stop: 10/29/2014 4:03:43 PM.

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Validate Software Update Levels

Description: Validate that all tested servers have the same software updates installed.

Validating that all servers have the same software updates...

Software Updates missing on 'hyperv1.kerberos.dnuk.lan':

All software updates present

Software Updates missing on 'hyperv2.kerberos.dnuk.lan':

All software updates present

All servers have the same software updates.

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Validate Storage Spaces Persistent Reservation

Description: Validate that storage supports the SCSI-3 Persistent Reservation commands needed by Storage Spaces to support clustering.

Start: 10/29/2014 4:02:18 PM.

Test Disk 0 supports SCSI-3 Persistent Reservation commands needed to support clustered storage pools.

Stop: 10/29/2014 4:02:19 PM.

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Validate Windows Firewall Configuration

Description: Validate that the Windows Firewall is properly configured to allow failover cluster network communication.

The Windows Firewall on node 'hyperv1.kerberos.dnuk.lan' is configured to allow network communication between cluster nodes over adapter 'hyperv1.kerberos.dnuk.lan - vEthernet (Virtual Switch)'.

The Windows Firewall on node 'hyperv1.kerberos.dnuk.lan' is configured to allow network communication between cluster nodes over adapter 'hyperv1.kerberos.dnuk.lan - iscsi-1'.

The Windows Firewall on node 'hyperv1.kerberos.dnuk.lan' is configured to allow network communication between cluster nodes over adapter 'hyperv1.kerberos.dnuk.lan - cluster'.

The Windows Firewall on node 'hyperv1.kerberos.dnuk.lan' is configured to allow network communication between cluster nodes over adapter 'hyperv1.kerberos.dnuk.lan - iscsi-2'.

The Windows Firewall on node hyperv1.kerberos.dnuk.lan is configured to allow network communication between cluster nodes.

The Windows Firewall on node 'hyperv2.kerberos.dnuk.lan' is configured to allow network communication between cluster nodes over adapter

'hyperv2.kerberos.dnuk.lan - iscsi-2'.

The Windows Firewall on node 'hyperv2.kerberos.dnuk.lan' is configured to allow network communication between cluster nodes over adapter 'hyperv2.kerberos.dnuk.lan - vEthernet (Virtual Switch)'.

The Windows Firewall on node 'hyperv2.kerberos.dnuk.lan' is configured to allow network communication between cluster nodes over adapter 'hyperv2.kerberos.dnuk.lan - iscsi-1'.

The Windows Firewall on node 'hyperv2.kerberos.dnuk.lan' is configured to allow network communication between cluster nodes over adapter 'hyperv2.kerberos.dnuk.lan - cluster'.

The Windows Firewall on node hyperv2.kerberos.dnuk.lan is configured to allow network communication between cluster nodes.

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