

HP Insight Diagnostics Version 8.6.0.3755A (x86_64)

Computer Name: **DNNWEB**

Overview	
System	
Product Name	ProLiant DL320 G5
Serial Number	MX274501DE
Processor Package 1 (Socket 1, Core = 2)	Intel Xeon Processor @ 2.13 Ghz
Operating system environment	Microsoft Windows Server 2008 R2 Enterprise x64 Version, Service Pack 1 (Build 7601)
Total memory	4096 Mbytes
Board 0	
DIMM 1 (DDR)	1024 Mbytes (667 MHz)
DIMM 2 (DDR)	1024 Mbytes (667 MHz)
DIMM 3 (DDR)	1024 Mbytes (667 MHz)
DIMM 4 (DDR)	1024 Mbytes (667 MHz)
ECC memory installed	Yes
Symmetric memory mode	Yes
Total RAM accessible to OS	4192260 Kbytes
Free RAM	3037800 Kbytes
Total Virtual	8589934464 Kbytes
Free Virtual	8589866592 Kbytes
Resilient memory information	
Number of cartridges	1
Number of modules	4
Configured for advanced ecc	Yes
Serial presence detect (SPD) information - DIMM 1	
Memory type	SDRAM DDR2
Memory DRAM type	UDIMM
DIMM Description	SPS-DIMM 1GB PC2-5300
Spare Part Number	432930-001
Correctable Error Threshold Exceeded Status	No DIMM errors detected
Uncorrectable Error Status	No DIMM errors detected
Correctable Error Threshold Count	0
Uncorrectable Error Count	0
Serial presence detect (SPD) raw data - DIMM 1	
0000 - 000F - 80 08 08 0E 0A 61 48 00 05 30 45 02 82 08 08 00	_____
. a H . . 0 E	
0010 - 001F - 0C 04 38 01 02 00 07 3D 50 50 60 3C 1E 3C 2D 80	_____ . . 8 .
. . . . P P - .	
0020 - 002F - 20 27 10 17 3C 1E 1E 00 00 3C 69 80 18 22 00 00	_____
. i	
0030 - 003F - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 12 88	_____
.	
0040 - 004F - AD 00 00 00 00 00 00 00 01 48 59 4D 50 35 31 32	_____
. H Y M P 5 1 2	
0050 - 005F - 55 37 32 43 50 38 2D 59 35 20 20 41 42 07 24 00	_____ U 7 2 C
P 8 - Y 5 A B	
0060 - 006F - 00 11 84 00 00 00 00 00 00 00 00 00 00 00 00 58	_____
. X	

0070 - 007F	- 4A 37 36 4E 34 37 36 33 31 30 34 00 00 00 00	_____	J 7 6 N
4 7 6 3 1 0 4	. . . . .	
0080 - 008F	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 24 0E	_____	. . . . .
.		
0090 - 009F	- 11 00 4D 58 32 37 34 35 30 31 44 45 00 00 00 00	_____	. . M X
2 7 4 5 0 1 D E	. . . . .	
00A0 - 00AF	- 00 00 00 00 00 00 00 00 00 00 0E 11 07 74 00 00 00	_____	. . . . .
. . . . .	. t		
00B0 - 00BF	- 01 00 00 07 00 00 FF FF FF FF FF FF FF FF 00	_____	. . . . .
.		
00C0 - 00CF	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 FF	_____	. . . . .
.		
00D0 - 00DF	- FF FF FF FF FF FF FF FF FF FF 00 00 00 00 00	_____	. . . . .
.		
00E0 - 00EF	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	_____	. . . . .
.		
00F0 - 00FF	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	_____	. . . . .
.		

Serial presence detect (SPD) information - DIMM 2

Memory type	SDRAM DDR2
Memory DRAM type	UDIMM
DIMM Description	SPS-DIMM 1GB PC2-5300
Spare Part Number	432930-001
Correctable Error Threshold Exceeded Status	No DIMM errors detected
Uncorrectable Error Status	No DIMM errors detected
Correctable Error Threshold Count	0
Uncorrectable Error Count	0

Serial presence detect (SPD) raw data - DIMM 2

0000 - 000F	- 80 08 08 0E 0A 61 48 00 05 30 45 02 82 08 08 00	_____	. . . . .
. a H . . 0 E	. . . . .	
0010 - 001F	- 0C 04 38 01 02 00 07 3D 50 50 60 3C 1E 3C 2D 80	_____	. . 8 .
. P P . . . . - .	. . . . .	
0020 - 002F	- 20 27 10 17 3C 1E 1E 00 00 3C 69 80 18 22 00 00	_____	. . . . .
. i . . . . .	. . . . .	
0030 - 003F	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 12 88	_____	. . . . .
.		
0040 - 004F	- AD 00 00 00 00 00 00 00 01 48 59 4D 50 35 31 32	_____	. . . . .
. H Y M P 5 1 2	. . . . .	
0050 - 005F	- 55 37 32 43 50 38 2D 59 35 20 20 41 42 07 24 00	_____	U 7 2 C
P 8 - Y 5 A B . . . .	. . . . .	
0060 - 006F	- 00 62 43 00 00 00 00 00 00 00 00 00 00 00 58	_____	. b C .
. X	. . . . .	
0070 - 007F	- 4A 37 36 4E 34 37 36 33 31 30 34 00 00 00 00 00	_____	J 7 6 N
4 7 6 3 1 0 4	. . . . .	
0080 - 008F	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 24 0E	_____	. . . . .
.		
0090 - 009F	- 11 00 4D 58 32 37 34 35 30 31 44 45 00 00 00 00	_____	. . M X
2 7 4 5 0 1 D E	. . . . .	
00A0 - 00AF	- 00 00 00 00 00 00 00 00 00 00 0E 11 07 74 00 00 00	_____	. . . . .
. . . . .	. t		
00B0 - 00BF	- 02 00 00 07 00 00 FF FF FF FF FF FF FF FF 00	_____	. . . . .
.		
00C0 - 00CF	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 FF	_____	. . . . .
.		

00D0 - 00DF	- FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF	00 00 00 00 00	_____
00E0 - 00EF	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	_____	
00F0 - 00FF	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	_____	

Serial presence detect (SPD) information - DIMM 3

Memory type	SDRAM DDR2
Memory DRAM type	UDIMM
DIMM Description	SPS-DIMM 1GB PC2-5300
Spare Part Number	432930-001
Correctable Error Threshold Exceeded Status	No DIMM errors detected
Uncorrectable Error Status	No DIMM errors detected
Correctable Error Threshold Count	0
Uncorrectable Error Count	0

Serial presence detect (SPD) raw data - DIMM 3

0000 - 000F	- 80 08 08 0E 0A 61 48 00 05 30 45 02 82 08 08 00	_____
0010 - 001F	- 0C 04 38 01 02 00 03 3D 45 50 45 3C 1E 3C 2D 80	_____ . . 8 .
0020 - 002F	- 20 27 10 17 3C 1E 1E 00 00 3C 69 80 18 22 00 00	_____
0030 - 003F	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 12 5E	_____
0040 - 004F	- 2C 00 00 00 00 00 00 00 0C 31 38 48 54 46 31 32	_____
0050 - 005F	- 38 37 32 41 59 2D 36 36 37 44 34 04 00 07 41 D9	_____ 8 7 2 A
0060 - 006F	- 13 72 F1 00 00 00 00 00 00 00 00 00 00 00 00 00	_____ . r . .
0070 - 007F	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	_____
0080 - 008F	- FF FF FF FF FF FF FF FF FF FF FF FF FF FF 24 0E	_____
0090 - 009F	- 11 00 4D 58 32 37 34 35 30 31 44 45 00 00 00 00	_____ . . M X
00A0 - 00AF	- 00 00 00 00 00 00 00 00 00 00 0E 11 07 74 00 00	_____
00B0 - 00BF	- 03 00 00 07 00 00 FF FF FF FF FF FF FF FF FF FF	_____
00C0 - 00CF	- FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00 FF	_____
00D0 - 00DF	- FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF	_____
00E0 - 00EF	- FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF	_____
00F0 - 00FF	- FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF	_____

Serial presence detect (SPD) information - DIMM 4

Memory type	SDRAM DDR2
Memory DRAM type	UDIMM
DIMM Description	SPS-DIMM 1GB PC2-5300
Spare Part Number	432930-001
No DIMM errors detected	

Correctable Error Threshold Exceeded Status	
Uncorrectable Error Status	No DIMM errors detected
Correctable Error Threshold Count	0
Uncorrectable Error Count	0
Serial presence detect (SPD) raw data - DIMM 4	
0000 - 000F - 80 08 08 0E 0A 61 48 00 05 30 45 02 82 08 08 00	. . . . .
. a H . . 0 E	
0010 - 001F - 0C 04 38 01 02 00 03 3D 45 50 45 3C 1E 3C 2D 80	. . 8 .
. E P E - .	
0020 - 002F - 20 27 10 17 3C 1E 1E 00 00 3C 69 80 18 22 00 00	. . . . .
. i	
0030 - 003F - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 12 5E	. . . . .
.	
0040 - 004F - 2C 00 00 00 00 00 00 00 0C 31 38 48 54 46 31 32	. . . . .
. 1 8 H T F 1 2	
0050 - 005F - 38 37 32 41 59 2D 36 36 37 44 34 04 00 07 41 D9	8 7 2 A
Y - 6 6 7 D 4 . . . A .	
0060 - 006F - 13 72 F0 00 00 00 00 00 00 00 00 00 00 00 00	. r . .
.	
0070 - 007F - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	. . . . .
.	
0080 - 008F - FF FF FF FF FF FF FF FF FF FF FF FF FF FF 24 0E	. . . . .
.	
0090 - 009F - 11 00 4D 58 32 37 34 35 30 31 44 45 00 00 00 00	. . M X
2 7 4 5 0 1 D E	
00A0 - 00AF - 00 00 00 00 00 00 00 00 00 0E 11 07 74 00 00 00	. . . . .
. t	
00B0 - 00BF - 04 00 00 07 00 00 FF FF FF FF FF FF FF FF FF FF	. . . . .
.	
00C0 - 00CF - FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00 FF	. . . . .
.	
00D0 - 00DF - FF FF FF FF FF FF FF FF FF FF FF FF 00 FF FF FF FF	. . . . .
.	
00E0 - 00EF - FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF	. . . . .
.	
00F0 - 00FF - FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF	. . . . .
.	
Communication	
Serial Port 1	(Address 3F8h)
USB Device 1	USB UHCI Root Hub
USB Device 2	USB Keyboard & Mouse
USBDevice OnPort 2	generic usb hub
USB Device 4	USB UHCI Root Hub
USB Device 5	USB UHCI Root Hub
USB Device 6	USB UHCI Root Hub
USB Device 7	USB UHCI Root Hub
USB Device 8	USB EHCI Root Hub
USB Device 9	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27C8
USB Device 10	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27C9
USB Device 11	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CA
USB Device 12	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CB
USB Device 13	Intel(R) 82801G (ICH7 Family) USB2 Enhanced Host Controller - 27CC
USB Device 14	Standard Universal PCI to USB Host Controller

Network Controller 1, Slot 0	NC324i Integrated Dual Port PCI Express Gigabit Server Adapter
Network Controller 2, Slot 0	NC324i Integrated Dual Port PCI Express Gigabit Server Adapter
Storage	
Optical Drive 1	DVD, TEAC DV-28E-V
PCI Slots	
PCI-E Slot 1	Available
PCI-E Slot 2	Available
Architecture	
BIOS Information - Type 0	
Size	4096K Bytes
BIOS Characteristics	0x7DC1DA80h
BIOS Characteristics Extension Byte 1	0003h
BIOS Characteristics Extension Byte 2	0001h
Characteristics	
ISA support	No
MCA support	No
EISA support	No
PCI support	Yes
PC Card (PCMCIA) support	No
PNP support	Yes
APM support	No
BIOS Upgradeable	Yes
BIOS shadowing	Allowed
VL-VESA support	No
ESCD support	Yes
Boot from CD support	Yes
Selectable boot support	Yes
BIOS ROM socketed	No
Boot from PC Card (PCMCIA) support	No
EDD support	No
Japanese floppy for NEC 9800 1.2 MB support (int 13h)	No
Japanese floppy for Toshiba 1.2 MB support (int 13h)	No
5.25"/ 360 KB floppy services support (int 13h)	Yes
5.25"/1.2 MB floppy services support (int 13h)	Yes
3.5"/720 KB floppy services support (int 13h)	Yes
3.5"/2.88 MB floppy services support (int 13h)	No
Print screen service support (int 5h)	Yes
8042 keyboard services support	Yes
Serial services support	Yes
Printer services support	Yes
CGA/mono video services support	Yes
NEC PC-98	No

ACPI support	Yes
USB legacy support	Yes
AGP support	No
I2O boot support	No
LS-120 boot support	No
ATAPI Zip drive boot support	No
IEEE 1394 boot support	No
Smart battery support	No
BIOS boot specification support	Yes
Function key-initiated network boot support	No
Targeted content distribution support	No
Vendor	HP
BIOS Version	W04
BIOS Release Date	06/10/2008
PCI Summary	
PCI Device	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27C8
Windows Device ID	PCI\VEN_8086&DEV_27C8&SUBSYS_31FE103C&REV_01\3&18D45AA6&0&E8
Bus	0
Device	29
Function	0
Slot Number	0
Class Code	0C
Sub-Class Code	03
Revision ID	01h
Vendor Name	Intel
Vendor ID	8086
Device ID	27C8
Sub Vendor ID	103C
Subsystem ID	31FE
I/O Port Base Address	3000h
Interrupt Line	15h
PCI Device	Intel(R) 82801GR/GH/GHM (ICH7 Family) PCI Express Root Port - 27E2
Windows Device ID	PCI\VEN_8086&DEV_27E2&SUBSYS_00000000&REV_01\3&18D45AA6&0&E5
Bus	0
Device	28
Function	5
Slot Number	0
Class Code	06
Sub-Class Code	04
Revision ID	01h
Vendor Name	Intel
Vendor ID	8086
Device ID	27E2
Sub Vendor ID	Not applicable
Subsystem ID	Not applicable
Interrupt Line	7FFFFFFFh
PCI Device	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27C9
Windows Device ID	PCI\VEN_8086&DEV_27C9&SUBSYS_31FE103C&REV_01\3&18D45AA6&0&E9
Bus	0
Device	29
Function	1

Slot Number	0
Class Code	0C
Sub-Class Code	03
Revision ID	01h
Vendor Name	Intel
Vendor ID	8086
Device ID	27C9
Sub Vendor ID	103C
Subsystem ID	31FE
I/O Port Base Address	3020h
Interrupt Line	15h
PCI Device	Intel Corp. PCI Bridge 82801BA/CA/DB/EB
Windows Device ID	PCI\VEN_8086&DEV_244E&SUBSYS_00000000&REV_E1\3&18D45AA6&0&F0
Bus	0
Device	30
Function	0
Slot Number	0
Class Code	06
Sub-Class Code	04
Revision ID	E1h
Vendor Name	Intel
Vendor ID	8086
Device ID	244E
Sub Vendor ID	Not applicable
Subsystem ID	Not applicable
Base Address Register 0	FDD00000
Base Address Register 1	D8000000
I/O Port Base Address	1000h
PCI Device	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CA
Windows Device ID	PCI\VEN_8086&DEV_27CA&SUBSYS_31FE103C&REV_01\3&18D45AA6&0&EA
Bus	0
Device	29
Function	2
Slot Number	0
Class Code	0C
Sub-Class Code	03
Revision ID	01h
Vendor Name	Intel
Vendor ID	8086
Device ID	27CA
Sub Vendor ID	103C
Subsystem ID	31FE
I/O Port Base Address	3040h
Interrupt Line	15h
PCI Device	Intel(R) E7230/3000/3010 Processor to I/O Controller - 2778
Windows Device ID	PCI\VEN_8086&DEV_2778&SUBSYS_31F9103C&REV_C0\3&18D45AA6&0&00
Bus	0
Device	0
Function	0
Slot Number	0
Class Code	06
Sub-Class Code	00
Revision ID	C0h
Vendor Name	Intel

Vendor ID	8086
Device ID	2778
Sub Vendor ID	103C
Subsystem ID	31F9
PCI Device	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CB
Windows Device ID	PCI\VEN_8086&DEV_27CB&SUBSYS_31FE103C&REV_01\3&18D45AA6&0&EB
Bus	0
Device	29
Function	3
Slot Number	0
Class Code	0C
Sub-Class Code	03
Revision ID	01h
Vendor Name	Intel
Vendor ID	8086
Device ID	27CB
Sub Vendor ID	103C
Subsystem ID	31FE
I/O Port Base Address	3060h
Interrupt Line	15h
PCI Device	Intel(R) 82801G (ICH7 Family) USB2 Enhanced Host Controller - 27CC
Windows Device ID	PCI\VEN_8086&DEV_27CC&SUBSYS_31FE103C&REV_01\3&18D45AA6&0&EF
Bus	0
Device	29
Function	7
Slot Number	0
Class Code	0C
Sub-Class Code	03
Revision ID	01h
Vendor Name	Intel
Vendor ID	8086
Device ID	27CC
Sub Vendor ID	103C
Subsystem ID	31FE
Base Address Register 0	FDCF0000
Interrupt Line	15h
PCI Device	Intel(R) E7230/3000/3010 PCI Express Root Port - 2779
Windows Device ID	PCI\VEN_8086&DEV_2779&SUBSYS_31F9103C&REV_C0\3&18D45AA6&0&08
Bus	0
Device	1
Function	0
Slot Number	0
Class Code	06
Sub-Class Code	04
Revision ID	C0h
Vendor Name	Intel
Vendor ID	8086
Device ID	2779
Sub Vendor ID	103C
Subsystem ID	31F9
Interrupt Line	10h
PCI Device	Intel(R) 82801G (ICH7 Family) PCI Express Root Port - 27D0
Windows Device ID	PCI\VEN_8086&DEV_27D0&SUBSYS_00000000&REV_01\3&18D45AA6&0&E0
Bus	0

Device	28
Function	0
Slot Number	0
Class Code	06
Sub-Class Code	04
Revision ID	01h
Vendor Name	Intel
Vendor ID	8086
Device ID	27D0
Sub Vendor ID	Not applicable
Subsystem ID	Not applicable
Base Address Register 0	FDF00000
Interrupt Line	7FFFFFFFh
PCI Device	Intel(R) 82801GB/GR (ICH7 Family) LPC Interface Controller - 27B8
Windows Device ID	PCI\VEN_8086&DEV_27B8&SUBSYS_00000000&REV_01\3&18D45AA6&0&F8
Bus	0
Device	31
Function	0
Slot Number	0
Class Code	06
Sub-Class Code	01
Revision ID	01h
Vendor Name	Intel
Vendor ID	8086
Device ID	27B8
Sub Vendor ID	Not applicable
Subsystem ID	Not applicable
PCI Device	Intel(R) 82801G (ICH7 Family) Ultra ATA Storage Controllers - 27DF
Windows Device ID	PCI\VEN_8086&DEV_27DF&SUBSYS_31FE103C&REV_01\3&18D45AA6&0&F9
Bus	0
Device	31
Function	1
Slot Number	0
Class Code	01
Sub-Class Code	01
Revision ID	01h
Vendor Name	Intel
Vendor ID	8086
Device ID	27DF
Sub Vendor ID	103C
Subsystem ID	31FE
I/O Port Base Address	0500h
PCI Device	Intel(R) 82801GR SATA RAID Controller
Windows Device ID	PCI\VEN_8086&DEV_27C3&SUBSYS_3206103C&REV_01\3&18D45AA6&0&FA
Bus	0
Device	31
Function	2
Slot Number	0
Class Code	01
Sub-Class Code	04
Revision ID	01h
Vendor Name	Adaptec
Vendor ID	8086
Device ID	27C3

Sub Vendor ID	103C
Subsystem ID	3206
Base Address Register 0	FDCE0000
I/O Port Base Address	3080h
I/O Port Base Address	3088h
I/O Port Base Address	3090h
I/O Port Base Address	3098h
I/O Port Base Address	30A0h
Interrupt Line	7FFFFFFFh
PCI Device	Intel(R) 82801GR/GH/GHM (ICH7 Family) PCI Express Root Port - 27E0
Windows Device ID	PCI\VEN_8086&DEV_27E0&SUBSYS_00000000&REV_01\3&18D45AA6&0&E4
Bus	0
Device	28
Function	4
Slot Number	0
Class Code	06
Sub-Class Code	04
Revision ID	01h
Vendor Name	Intel
Vendor ID	8086
Device ID	27E0
Sub Vendor ID	Not applicable
Subsystem ID	Not applicable
Interrupt Line	7FFFFFFFh
PCI Device	Integrated Lights-Out 2 Controller
Windows Device ID	PCI\VEN_0E11&DEV_B203&SUBSYS_3305103C&REV_03\4&205E9EF1&0&20F0
Bus	1
Device	4
Function	0
Slot Number	0
Class Code	08
Sub-Class Code	80
Revision ID	03h
Vendor Name	Hewlett-Packard Company
Vendor ID	0E11
Device ID	B203
Sub Vendor ID	103C
Subsystem ID	3305
Base Address Register 0	FDEE0000
I/O Port Base Address	2800h
Interrupt Line	0Ah
PCI Device	HP iLO Management Channel Interface Driver
Windows Device ID	PCI\VEN_0E11&DEV_B204&SUBSYS_3305103C&REV_03\4&205E9EF1&0&22F0
Bus	1
Device	4
Function	2
Slot Number	0
Class Code	08
Sub-Class Code	80
Revision ID	03h
Vendor Name	Hewlett-Packard Company
Vendor ID	0E11
Device ID	B204
Sub Vendor ID	103C

Subsystem ID	3305
Base Address Register 0	FDED0000
Base Address Register 1	FDEC0000
Base Address Register 2	FDE00000
I/O Port Base Address	1400h
Interrupt Line	17h
PCI Device	ATI ES1000 Video Controller
Windows Device ID	PCIIVEN_1002&DEV_515E&SUBSYS_31FB103C&REV_0214&205E9EF1&0&18F0
Bus	1
Device	3
Function	0
Slot Number	0
Class Code	03
Sub-Class Code	00
Revision ID	02h
Vendor Name	ATI Technologies Inc.
Vendor ID	1002
Device ID	515E
Sub Vendor ID	103C
Subsystem ID	31FB
Base Address Register 0	D8000000
Base Address Register 1	FDEF0000
Base Address Register 2	000A0000
I/O Port Base Address	1000h
I/O Port Base Address	03B0h
I/O Port Base Address	03C0h
Interrupt Line	15h
PCI Device	Standard Universal PCI to USB Host Controller
Windows Device ID	PCIIVEN_103C&DEV_3300&SUBSYS_3305103C&REV_0014&205E9EF1&0&24F0
Bus	1
Device	4
Function	4
Slot Number	0
Class Code	0C
Sub-Class Code	03
Revision ID	00h
Vendor Name	(Standard USB Host Controller)
Vendor ID	103C
Device ID	3300
Sub Vendor ID	103C
Subsystem ID	3305
I/O Port Base Address	1800h
Interrupt Line	17h
PCI Device	HP ProLiant iLO 2 Management Controller Driver
Windows Device ID	PCIIVEN_103C&DEV_3302&SUBSYS_3305103C&REV_0014&205E9EF1&0&26F0
Bus	1
Device	4
Function	6
Slot Number	0
Class Code	0C
Sub-Class Code	07
Revision ID	00h
Vendor Name	Hewlett-Packard Company
Vendor ID	103C

Device ID	3302
Sub Vendor ID	103C
Subsystem ID	3305
Base Address Register 0	FDDF0000
Interrupt Line	16h
PCI Device	PCI standard PCI-to-PCI bridge
Windows Device ID	PCI\VEN_1166&DEV_0103&SUBSYS_00000000&REV_B5\4&25C64CD8&0&00E0
Bus	2
Device	0
Function	0
Slot Number	0
Class Code	06
Sub-Class Code	04
Revision ID	B5h
Vendor Name	(Standard system devices)
Vendor ID	1166
Device ID	0103
Sub Vendor ID	Not applicable
Subsystem ID	Not applicable
Base Address Register 0	FDF00000
PCI Device	NC324i Integrated Dual Port PCI Express Gigabit Server Adapter
Windows Device ID	PCI\VEN_14E4&DEV_1668&SUBSYS_7039103C&REV_A3\5&2DFE51AE&0&2000E0
Bus	3
Device	4
Function	0
Slot Number	0
Class Code	02
Sub-Class Code	00
Revision ID	A3h
Vendor Name	Hewlett-Packard Company
Vendor ID	14E4
Device ID	1668
Sub Vendor ID	103C
Subsystem ID	7039
Base Address Register 0	FDF00000
Base Address Register 1	FDFE0000
Interrupt Line	10h
PCI Device	NC324i Integrated Dual Port PCI Express Gigabit Server Adapter
Windows Device ID	PCI\VEN_14E4&DEV_1668&SUBSYS_7039103C&REV_A3\5&2DFE51AE&0&2100E0
Bus	3
Device	4
Function	1
Slot Number	0
Class Code	02
Sub-Class Code	00
Revision ID	A3h
Vendor Name	Hewlett-Packard Company
Vendor ID	14E4
Device ID	1668
Sub Vendor ID	103C
Subsystem ID	7039
Base Address Register 0	FDFD0000
Base Address Register 1	FDFC0000
Interrupt Line	11h

PCI Device	ServerWorks (Broadcom) HT-1000 HT-PCI-X Bridge
Windows Device ID	PCI\VEN_1166&DEV_0104&SUBSYS_00000000&REV_B4\5&2DFE51AE&0&4000E0
Bus	3
Device	8
Function	0
Slot Number	0
Class Code	06
Sub-Class Code	04
Revision ID	B4h
Vendor Name	ServerWorks (RCC)
Vendor ID	1166
Device ID	0104
Sub Vendor ID	Not applicable
Subsystem ID	Not applicable
Bus Architecture	
Integrated PCI Devices	
Bus 0	
Device 0, Function 0	Intel(R) E7230/3000/3010 Processor to I/O Controller - 2778
Device 1, Function 0	Intel(R) E7230/3000/3010 PCI Express Root Port - 2779
Device 28, Function 5	Intel(R) 82801GR/GH/GHM (ICH7 Family) PCI Express Root Port - 27E2
Device 28, Function 0	Intel(R) 82801G (ICH7 Family) PCI Express Root Port - 27D0
Device 28, Function 4	Intel(R) 82801GR/GH/GHM (ICH7 Family) PCI Express Root Port - 27E0
Device 29, Function 0	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27C8
Device 29, Function 1	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27C9
Device 29, Function 2	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CA
Device 29, Function 3	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CB
Device 29, Function 7	Intel(R) 82801G (ICH7 Family) USB2 Enhanced Host Controller - 27CC
Device 30, Function 0	Intel(R) 82801 PCI Bridge - 244E
Device 31, Function 0	Intel(R) 82801GB/GR (ICH7 Family) LPC Interface Controller - 27B8
Device 31, Function 1	Intel(R) 82801G (ICH7 Family) Ultra ATA Storage Controllers - 27DF
Device 31, Function 2	Adaptec Serial ATA HostRAID
Bus 1	
Device 4, Function 0	HP ProLiant iLO 2 Legacy Support Function
Device 4, Function 2	HP iLO Management Channel Interface Driver
Device 3, Function 0	ATI ES1000
Device 4, Function 4	Standard Universal PCI to USB Host Controller
Device 4, Function 6	HP ProLiant iLO 2 Management Controller Driver
Bus 2	
Device 0, Function 0	PCI standard PCI-to-PCI bridge
Bus 3	
Device 4, Function 0	HP NC324i PCIe Dual Port Gigabit Server Adapter
Device 4, Function 1	HP NC324i PCIe Dual Port Gigabit Server Adapter
Device 8, Function 0	ServerWorks (Broadcom) HT-1000 HT-PCI-X Bridge
PCI-E Slot 1	Empty
PCI-E Slot 2	Empty
Asset Control	
Product Identification	
Product Name	ProLiant DL320 G5
Serial Number	MX274501DE
Asset Tag Number	Not available
Processors	
Processor Package 1 (Socket 1, Core = 2)	Intel Xeon Processor @ 2.13 Ghz
Communication	

Serial Port 1	(Address 3F8h)
Base Address	3f8h
IRQ Number	IRQ 4
USB Device 1	USB UHCI Root Hub
Hub Number	1
Total Number of Ports	2
USB Type	1.10
USB Speed	12 Mbit/s
USB Device 2	USB Keyboard & Mouse
USB Type	1.10
USB Speed	12 Mbit/s
Hub Number 1 portNum	1
USBDevice OnPort 2	generic usb hub
USB Type	1.10
USB Speed	12 Mbit/s
Hub Number 1 portNum	2
USB Device 4	USB UHCI Root Hub
Hub Number	2
Total Number of Ports	2
USB Type	1.10
USB Speed	12 Mbit/s
USB Device 5	USB UHCI Root Hub
Hub Number	3
Total Number of Ports	2
USB Type	1.10
USB Speed	12 Mbit/s
USB Device 6	USB UHCI Root Hub
Hub Number	4
Total Number of Ports	2
USB Type	1.10
USB Speed	12 Mbit/s
USB Device 7	USB UHCI Root Hub
Hub Number	5
Total Number of Ports	2
USB Type	1.10
USB Speed	12 Mbit/s
USB Device 8	USB EHCI Root Hub
Hub Number	6
Total Number of Ports	8
USB Type	2.00
USB Speed	480 Mbit/s
USB Device 9	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27C8
Hub Number	7
Total Number of Ports	2
USB Type	1.10
USB Speed	12 Mbit/s
USB Device 10	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27C9
Hub Number	8
Total Number of Ports	2
USB Type	1.10
USB Speed	12 Mbit/s
USB Device 11	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CA
Hub Number	9
Total Number of Ports	2

USB Type	1.10
USB Speed	12 Mbit/s
USB Device 12	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CB
Hub Number	10
Total Number of Ports	2
USB Type	1.10
USB Speed	12 Mbit/s
USB Device 13	Intel(R) 82801G (ICH7 Family) USB2 Enhanced Host Controller - 27CC
Hub Number	11
Total Number of Ports	8
USB Type	2.00
USB Speed	480 Mbit/s
USB Device 14	Standard Universal PCI to USB Host Controller
Hub Number	12
Total Number of Ports	2
USB Type	1.10
USB Speed	12 Mbit/s
Network Controller 1, Slot 0	NC324i Integrated Dual Port PCI Express Gigabit Server Adapter
Link Status	Active
MAC Address	00-1E-0B-4E-00-D8
IP Address	11.10.1.183
Adapter Type	Copper
Interface	{77279D9B-FCA8-407A-A080-F278F00B0F99}
Bus	3
Device	4
Function	0
Vendor ID	14E4
Device ID	1668
Sub Vendor ID	103C
Sub Device ID	7039
Slot	0
Manufacturer	Broadcom
Windows Device ID	PCI\VEN_14E4&DEV_1668&SUBSYS_7039103C&REV_A3\5&2DFE51AE&0&2000E0
Slot Number	0
Class Code	02
Sub-Class Code	00
Revision ID	A3h
Vendor Name	Hewlett-Packard Company
Base Address Register 0	FDFE0000
Base Address Register 1	FDFE0000
Interrupt Line	10h
Network Controller 2, Slot 0	NC324i Integrated Dual Port PCI Express Gigabit Server Adapter
Link Status	Inactive
MAC Address	00-1E-0B-4E-00-D9
IP Address	0.0.0.0
Adapter Type	Copper
Interface	{2C50E627-30B7-4794-B6B6-4E3C4A3C9A59}
Bus	3
Device	4
Function	1
Vendor ID	14E4
Device ID	1668
Sub Vendor ID	103C
Sub Device ID	7039

Slot	0
Manufacturer	Broadcom
Windows Device ID	PCI\VEN_14E4&DEV_1668&SUBSYS_7039103C&REV_A3\5&2DFE51AE&0&2100E0
Slot Number	0
Class Code	02
Sub-Class Code	00
Revision ID	A3h
Vendor Name	Hewlett-Packard Company
Base Address Register 0	FDFD0000
Base Address Register 1	FDFC0000
Interrupt Line	11h
Graphics	
Graphics Controller 1	ATI ES1000
Vendor	ATI Technologies Inc.
Memory	16MB
Input Devices	
Keyboard	PS/2 Keyboard
Type	HID Keyboard Device
Speed	31 rps
Delay	500 ms
Keyboard	USB Keyboard
Type	Standard PS/2 Keyboard
Speed	31 rps
Delay	500 ms
PS/2 Compatible Mouse	PS/2 Mouse
IRQ Number	12
Type	PS/2 Compatible Mouse
device driver	mouse
USB Input Device	USB Mouse
Type	USB Input Device
device driver	mouse
Internal Conditions	
Fan Slot 1	Fan Slot
ID	1
Device State	5
Location Designator	0
Fan Speed	45 % of max
Speed	Normal
Is Redundant	Yes
Zone	System
Physically Failed	No
Fan Slot 2	Fan Slot
ID	2
Device State	5
Location Designator	0
Fan Speed	45 % of max
Speed	Normal
Is Redundant	Yes
Zone	System
Physically Failed	No
Fan Slot 3	Fan Slot
ID	3
Device State	5
Location Designator	0

Fan Speed	40 % of max
Speed	Normal
Is Redundant	Yes
Zone	System
Physically Failed	No
Fan Slot 4	Fan Slot
ID	4
Device State	5
Location Designator	0
Fan Speed	40 % of max
Speed	Normal
Is Redundant	Yes
Zone	System
Physically Failed	No
Fan Slot 5	Fan Slot
ID	5
Device State	5
Location Designator	0
Fan Speed	40 % of max
Speed	Normal
Is Redundant	Yes
Zone	System
Physically Failed	No
Fan Slot 6	Fan Slot
ID	6
Device State	5
Location Designator	0
Fan Speed	40 % of max
Speed	Normal
Is Redundant	Yes
Zone	System
Physically Failed	No
Fan Slot 7	Fan Slot
ID	7
Device State	5
Location Designator	0
Fan Speed	40 % of max
Speed	Normal
Is Redundant	Yes
Zone	System
Physically Failed	No
Fan Slot 8	Fan Slot
ID	8
Device State	5
Location Designator	0
Fan Speed	40 % of max
Speed	Normal
Is Redundant	Yes
Zone	System
Physically Failed	No
Power Supply 1	Provides power to entire server
Status	Working
Present	Yes
Temperature Device 1	Processor Zone

Temperature	33 Deg.C
Temperature Valid	Yes
Threshold	65 Deg.C
Temperature Device 2	CPU#1
Temperature	28 Deg.C
Temperature Valid	Yes
Threshold	100 Deg.C
Temperature Device 3	CPU#1
Temperature	28 Deg.C
Temperature Valid	Yes
Threshold	100 Deg.C
Temperature Device 4	Ambient
Temperature	16 Deg.C
Temperature Valid	Yes
Threshold	37 Deg.C
UID	Unit ID light
Internal Health Led	Internal Health Led on front of server
Memory	
Total memory	4096 Mbytes
Board 0	
DIMM 1 (DDR)	1024 Mbytes (667 MHz)
DIMM 2 (DDR)	1024 Mbytes (667 MHz)
DIMM 3 (DDR)	1024 Mbytes (667 MHz)
DIMM 4 (DDR)	1024 Mbytes (667 MHz)
ECC memory installed	Yes
Symmetric memory mode	Yes
Total RAM accessible to OS	4192260 Kbytes
Free RAM	3037800 Kbytes
Total Virtual	8589934464 Kbytes
Free Virtual	8589866592 Kbytes
Resilient memory information	
Number of cartridges	1
Number of modules	4
Configured for advanced ecc	Yes
Serial presence detect (SPD) information - DIMM 1	
Memory type	SDRAM DDR2
Memory DRAM type	UDIMM
DIMM Description	SPS-DIMM 1GB PC2-5300
Spare Part Number	432930-001
Correctable Error Threshold Exceeded Status	No DIMM errors detected
Uncorrectable Error Status	No DIMM errors detected
Correctable Error Threshold Count	0
Uncorrectable Error Count	0
Serial presence detect (SPD) raw data - DIMM 1	
0000 - 000F - 80 08 08 0E 0A 61 48 00 05 30 45 02 82 08 08 00	_____
. a H . . 0 E	
0010 - 001F - 0C 04 38 01 02 00 07 3D 50 50 60 3C 1E 3C 2D 80	_____ . . 8 .
. . . . P P - .	
0020 - 002F - 20 27 10 17 3C 1E 1E 00 00 3C 69 80 18 22 00 00	_____
. i	

0030 - 003F	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 12 88	_____
0040 - 004F	- AD 00 00 00 00 00 00 00 00 01 48 59 4D 50 35 31 32	_____
	. . . . . H Y M P 5 1 2	
0050 - 005F	- 55 37 32 43 50 38 2D 59 35 20 20 41 42 07 24 00	_____ U 7 2 C
	P 8 - Y 5 A B	
0060 - 006F	- 00 11 84 00 00 00 00 00 00 00 00 00 00 00 00 58	_____
	. . . . . X	
0070 - 007F	- 4A 37 36 4E 34 37 36 33 31 30 34 00 00 00 00 00	_____ J 7 6 N
	4 7 6 3 1 0 4	
0080 - 008F	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 24 0E	_____
	
0090 - 009F	- 11 00 4D 58 32 37 34 35 30 31 44 45 00 00 00 00	_____ . . M X
	2 7 4 5 0 1 D E	
00A0 - 00AF	- 00 00 00 00 00 00 00 00 00 00 0E 11 07 74 00 00 00	_____
	. . . . . t	
00B0 - 00BF	- 01 00 00 07 00 00 FF FF FF FF FF FF FF FF FF 00	_____
	
00C0 - 00CF	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 FF	_____
	
00D0 - 00DF	- FF FF FF FF FF FF FF FF FF FF FF FF 00 00 00 00	_____
	
00E0 - 00EF	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	_____
	
00F0 - 00FF	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	_____
	

Serial presence detect (SPD) information - DIMM 2

Memory type	SDRAM DDR2
Memory DRAM type	UDIMM
DIMM Description	SPS-DIMM 1GB PC2-5300
Spare Part Number	432930-001
Correctable Error Threshold Exceeded Status	No DIMM errors detected
Uncorrectable Error Status	No DIMM errors detected
Correctable Error Threshold Count	0
Uncorrectable Error Count	0

Serial presence detect (SPD) raw data - DIMM 2

0000 - 000F	- 80 08 08 0E 0A 61 48 00 05 30 45 02 82 08 08 00	_____
	. a H . . 0 E	
0010 - 001F	- 0C 04 38 01 02 00 07 3D 50 50 60 3C 1E 3C 2D 80	_____ . . 8 .
	. . . . . P P - .	
0020 - 002F	- 20 27 10 17 3C 1E 1E 00 00 3C 69 80 18 22 00 00	_____
	. . . . . i	
0030 - 003F	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 12 88	_____
	
0040 - 004F	- AD 00 00 00 00 00 00 00 00 01 48 59 4D 50 35 31 32	_____
	. . . . . H Y M P 5 1 2	
0050 - 005F	- 55 37 32 43 50 38 2D 59 35 20 20 41 42 07 24 00	_____ U 7 2 C
	P 8 - Y 5 A B	
0060 - 006F	- 00 62 43 00 00 00 00 00 00 00 00 00 00 00 00 58	_____ . b C .
	. . . . . X	
0070 - 007F	- 4A 37 36 4E 34 37 36 33 31 30 34 00 00 00 00 00	_____ J 7 6 N
	4 7 6 3 1 0 4	
0080 - 008F	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 24 0E	_____
	

0090 - 009F	- 11 00 4D 58 32 37 34 35 30 31 44 45 00 00 00 00	_____	. . M X
2 7 4 5 0 1 D E	. . . . .	
00A0 - 00AF	- 00 00 00 00 00 00 00 00 00 00 0E 11 07 74 00 00 00	_____	. . . . .
.	t		
00B0 - 00BF	- 02 00 00 07 00 00 FF FF FF FF FF FF FF FF 00	_____	. . . . .
.		
00C0 - 00CF	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 FF	_____	. . . . .
.		
00D0 - 00DF	- FF FF FF FF FF FF FF FF FF FF FF 00 00 00 00 00	_____	. . . . .
.		
00E0 - 00EF	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	_____	. . . . .
.		
00F0 - 00FF	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	_____	. . . . .
.		

Serial presence detect (SPD) information - DIMM 3

Memory type	SDRAM DDR2
Memory DRAM type	UDIMM
DIMM Description	SPS-DIMM 1GB PC2-5300
Spare Part Number	432930-001
Correctable Error Threshold Exceeded Status	No DIMM errors detected
Uncorrectable Error Status	No DIMM errors detected
Correctable Error Threshold Count	0
Uncorrectable Error Count	0

Serial presence detect (SPD) raw data - DIMM 3

0000 - 000F	- 80 08 08 0E 0A 61 48 00 05 30 45 02 82 08 08 00	_____	. . . . .
. a H . . . 0 E	. . . . .	
0010 - 001F	- 0C 04 38 01 02 00 03 3D 45 50 45 3C 1E 3C 2D 80	_____	. . 8 .
. E P E - .		
0020 - 002F	- 20 27 10 17 3C 1E 1E 00 00 3C 69 80 18 22 00 00	_____	. . . . .
. i	. . . . .	
0030 - 003F	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 12 5E	_____	. . . . .
.		
0040 - 004F	- 2C 00 00 00 00 00 00 00 0C 31 38 48 54 46 31 32	_____	. . . . .
. 1 8 H T F 1 2			
0050 - 005F	- 38 37 32 41 59 2D 36 36 37 44 34 04 00 07 41 D9	_____	8 7 2 A
Y - 6 6 7 D 4 . . . A .			
0060 - 006F	- 13 72 F1 00 00 00 00 00 00 00 00 00 00 00 00 00	_____	. r . .
.		
0070 - 007F	- 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	_____	. . . . .
.		
0080 - 008F	- FF FF FF FF FF FF FF FF FF FF FF FF FF FF 24 0E	_____	. . . . .
.		
0090 - 009F	- 11 00 4D 58 32 37 34 35 30 31 44 45 00 00 00 00	_____	. . M X
2 7 4 5 0 1 D E	. . . . .	
00A0 - 00AF	- 00 00 00 00 00 00 00 00 00 00 0E 11 07 74 00 00 00	_____	. . . . .
.	t		
00B0 - 00BF	- 03 00 00 07 00 00 FF FF FF FF FF FF FF FF FF FF	_____	. . . . .
.		
00C0 - 00CF	- FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00 FF	_____	. . . . .
.		
00D0 - 00DF	- FF FF FF FF FF FF FF FF FF FF FF 00 FF FF FF FF	_____	. . . . .
.		
00E0 - 00EF	- FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF	_____	. . . . .
.		

00F0 - 00FF - FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF _____

Serial presence detect (SPD) information - DIMM 4

Memory type	SDRAM DDR2
Memory DRAM type	UDIMM
DIMM Description	SPS-DIMM 1GB PC2-5300
Spare Part Number	432930-001
Correctable Error Threshold Exceeded Status	No DIMM errors detected
Uncorrectable Error Status	No DIMM errors detected
Correctable Error Threshold Count	0
Uncorrectable Error Count	0

Serial presence detect (SPD) raw data - DIMM 4

0000 - 000F - 80 08 08 0E 0A 61 48 00 05 30 45 02 82 08 08 00 _____ a H . . 0 E
0010 - 001F - 0C 04 38 01 02 00 03 3D 45 50 45 3C 1E 3C 2D 80 _____ . . 8 E P E - .
0020 - 002F - 20 27 10 17 3C 1E 1E 00 00 3C 69 80 18 22 00 00 _____ i
0030 - 003F - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 12 5E _____
0040 - 004F - 2C 00 00 00 00 00 00 00 0C 31 38 48 54 46 31 32 _____ 1 8 H T F 1 2
0050 - 005F - 38 37 32 41 59 2D 36 36 37 44 34 04 00 07 41 D9 _____ 8 7 2 A Y - 6 6 7 D 4 A .
0060 - 006F - 13 72 F0 00 00 00 00 00 00 00 00 00 00 00 00 00 _____ . r
0070 - 007F - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 _____
0080 - 008F - FF FF FF FF FF FF FF FF FF FF FF FF FF FF 24 0E _____
0090 - 009F - 11 00 4D 58 32 37 34 35 30 31 44 45 00 00 00 00 _____ . . M X 2 7 4 5 0 1 D E
00A0 - 00AF - 00 00 00 00 00 00 00 00 00 00 0E 11 07 74 00 00 00 _____ t
00B0 - 00BF - 04 00 00 07 00 00 FF FF FF FF FF FF FF FF FF FF _____
00C0 - 00CF - FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00 FF _____
00D0 - 00DF - FF FF FF FF FF FF FF FF FF FF FF FF 00 FF FF FF FF _____
00E0 - 00EF - FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF _____
00F0 - 00FF - FF FF FF FF FF FF FF FF FF FF FF FF FF FF FF _____

Remote Management

iLO	Integrated Lights-Out II
Controller	Integrated Lights-Out 2 Controller
Firmware Version	1.35
Firmware Date	7/16/2007
CPLD Version	0xd5, (213)
Serial Number	ILOMX274501DE
Server Date	10/6/2014
Server Time	8:34:47

Max Users	12
Total Events in iLO Log	547
Most Recent iLO Log Entry	Server power restored.
iLO Status	
iLO Remote Connection	No Remote Connection Currently Established
iLO Login Threshold	Login Threshold Not Exceeded
iLO POST Diagnostics	
Power On Self Tests	Passed
Network Interface	
Product Name	Embedded NEC98431
DNS Name	ILOMX274501DE
Options	
NIC	Enabled
DHCP	Enabled
Auto Select	Enabled
Force 10mb	Enabled
Force Half Duplex	Enabled
NIC Condition	Inactive
MAC Address	00-1e-0b-4e-02-e0
Maximum Transfer Unit	5220
IP Address	0.0.0.0
Subnet Mask	0.0.0.0
Gateway IP	0.0.0.0
DNS Server IP	0.0.0.0
TCP Port for HTTP Server	80
TCP Port for Telnet Server	23
TCP Port for HTTPS Server	443
Telnet Status	Enabled
Security	
Options	
Minimum Cipher	Minimum 128-bit Cipher
Session Timeout (Minutes)	30
Minimum Password Length (Characters)	8
Hack attempts before alert and delay	3
Anonymous ID Response	Return Small Information
Miscellaneous Configuration	
Post Error Code	No Post Errors
Options	
iLO	Enabled
RBSU	Enabled
Emergency Management Serial Service	Enabled
TELNET	Enabled
Remote Console	Enabled
Scripted Deploy	Enabled
Pocket PC Access	Disabled
Single Sign-on	Enabled
Secure Task Execution	Disabled

Trust of CIM	Disabled
Server Console Thumbnails	Enabled
Server Name	DNNWEB
Server ID	000000000
USB	Enabled
iLO Security Override Jumper	Jumper is Not set - Normal Operation
Miscellaneous	
Version Information for HP Insight Diagnostics	
hpdiaags.exe	9/3/2010 - Version 8.6.0.3755A (x86_64)
hpdiaagsai.exe	9/3/2010 - Version 8.6.0.3755A (x86_64)
hpdiaagstc.exe	9/3/2010 - Version 8.6.0.3755A (x86_64)
tcaudio.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
tccpu.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
tcinspect.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
tckeyboard.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
tcmemory.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
tcmouse.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
tcnetwork.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
tcpci.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
tcrid.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
tcstorage.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
tcserial.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
tcsysman.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
tcusb.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
tcvideo.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
test_components\storage.dll	9/3/2010 - Version 8.6.0.3755A (x86_64)
System Summary	
Host Name	DNNWEB
Host Node Name	DNNWEB.publichealthgreybruce.on.ca
Machine Hardware Type	x86
SMBIOS Information	System Management BIOS (or SMBIOS) reports various computer system attributes
Checksum	254
Entry Point Length	31
Major Version	2
Minor Version	3
Max Structure Size	128
Entry Point Revision	0
Structure Table Length	1349
Structure Table Address	974848
Structure Count	47
BIOS Information - Type 0	
Size	4096K Bytes
BIOS Characteristics	0x7DC1DA80h
BIOS Characteristics Extension Byte 1	0003h
BIOS Characteristics Extension Byte 2	0001h
Characteristics	
ISA support	No
MCA support	No
EISA support	No
PCI support	Yes
	No

PC Card (PCMCIA) support	
PNP support	Yes
APM support	No
BIOS Upgradeable	Yes
BIOS shadowing	Allowed
VL-VESA support	No
ESCD support	Yes
Boot from CD support	Yes
Selectable boot support	Yes
BIOS ROM socketed	No
Boot from PC Card (PCMCIA) support	No
EDD support	No
Japanese floppy for NEC 9800 1.2 MB support (int 13h)	No
Japanese floppy for Toshiba 1.2 MB support (int 13h)	No
5.25"/ 360 KB floppy services support (int 13h)	Yes
5.25"/1.2 MB floppy services support (int 13h)	Yes
3.5"/720 KB floppy services support (int 13h)	Yes
3.5"/2.88 MB floppy services support (int 13h)	No
Print screen service support (int 5h)	Yes
8042 keyboard services support	Yes
Serial services support	Yes
Printer services support	Yes
CGA/mono video services support	Yes
NEC PC-98	No
ACPI support	Yes
USB legacy support	Yes
AGP support	No
I2O boot support	No
LS-120 boot support	No
ATAPI Zip drive boot support	No
IEEE 1394 boot support	No
Smart battery support	No
BIOS boot specification support	Yes
Function key-initiated network boot support	No
	No

Targeted content distribution support	
Vendor	HP
BIOS Version	W04
BIOS Release Date	06/10/2008
System Information - Type 1	
Manufacturer	HP
Product Name	ProLiant DL320 G5
Version	Not available
Serial Number	MX274501DE
Universal Unique ID - UUID	4148363436414D583237343530314445
Wake-up Type	Power Switch
System Enclosure or Chassis - Type 3	
Manufacturer	HP
Enclosure Type	Rack Mount Chassis
Version	Not available
Serial Number	MX274501DE
Asset Tag Number	Not available
Processor Information - Type 4	
Socket	Proc 1
Family	Intel Xeon
Manufacturer	Intel
Processor Version	Not available
Voltage	1.4 V
External Clock	1066 MHz
Maximum Speed	4800 MHz
Current Speed	2133 MHz
Socket Populated	true
cpuidStdLv1eax	000006F2
cpuidStdLv1edx	BFEBFBFF
L1 Cache Handle	0710h
L2 Cache Handle	0720h
L3 Cache Handle	0730h
Processor Serial Number	Not available
Process Asset Tag	Not available
Processor Part Number	Not available
Cache Information - Type 7	
Cache Handle	10
Socket Designation	Processor 1 Internal L1 Cache
Operational Mode	Write Back
Enable Bit	Enabled
Location	Internal
Socketed	Not Socketed
Cache Level	L1
Maximum Cache Size	32KB
Installed Cache Size	64KB
Supported SRAM	Burst
Current SRAM	Burst
Cache Speed	Unknown
Error Correction Type	Unknown
System Cache Type	Unknown
Associativity	4-way Set Associative
Cache Information - Type 7	

Cache Handle	20
Socket Designation	Processor 1 Internal L2 Cache
Operational Mode	Write Back
Enable Bit	Enabled
Location	Internal
Socketed	Not Socketed
Cache Level	L2
Maximum Cache Size	16MB
Installed Cache Size	2MB
Supported SRAM	Burst
Current SRAM	Burst
Cache Speed	Unknown
Error Correction Type	Unknown
System Cache Type	Unknown
Associativity	Other
Cache Information - Type 7	
Cache Handle	30
Socket Designation	Processor 1 Internal L3 Cache
Operational Mode	Write Back
Enable Bit	Enabled
Location	Internal
Socketed	Not Socketed
Cache Level	L3
Maximum Cache Size	8MB
Installed Cache Size	0.0KB
Supported SRAM	Burst
Current SRAM	Burst
Cache Speed	Unknown
Error Correction Type	Unknown
System Cache Type	Unknown
Associativity	Other
Port Connector Information - Type 8	
Internal Reference Designator	J58
External Reference Designator	USB Port 1
Port Type	USB
Port Connector Information - Type 8	
Internal Reference Designator	J58
External Reference Designator	USB Port 2
Port Type	USB
Port Connector Information - Type 8	
Internal Reference Designator	J58
External Reference Designator	USB Port 3
Port Type	USB
System Slot - Type 9	
Slot Designation	PCI-E Slot 1
Slot Type	PCI Express
Slot Data Bus Width	1x
Current Usage	Available
Slot ID	1

System Slot - Type 9	
Slot Designation	PCI-E Slot 2
Slot Type	PCI Express
Slot Data Bus Width	8x
Current Usage	Available
Slot ID	2
Product ID Information - Type 11	
Product ID	Product ID: AH646A
Physical Memory Array - Type 16	
Location	System Board or motherboard
Use	System Memory
Memory Error Correction	Single-bit ECC
Maximum Capacity	8 GB
Memory Error Information Handle	FFFEh
Number of Memory Devices	4
Memory Device - Type 17	
Memory Error Information Handle	FFFEh
Total Width	72
Data Width	64
Size	1024 Mbytes
Form Factor	DIMM
Device Set	1
Device Locator	DIMM 01
Bank Locator	Unknown
Memory Type	DDR
Type Detail	128
Speed	667 MHz
Manufacturer	Not available
Serial Number	Not available
Asset Tag Number	Not available
Part Number	Not available
Memory Device - Type 17	
Memory Error Information Handle	FFFEh
Total Width	72
Data Width	64
Size	1024 Mbytes
Form Factor	DIMM
Device Set	3
Device Locator	DIMM 02
Bank Locator	Unknown
Memory Type	DDR
Type Detail	128
Speed	667 MHz
Manufacturer	Not available
Serial Number	Not available
Asset Tag Number	Not available
Part Number	Not available
Memory Device - Type 17	
Memory Error Information Handle	FFFEh
Total Width	72

Data Width	64
Size	1024 Mbytes
Form Factor	DIMM
Device Set	1
Device Locator	DIMM 03
Bank Locator	Unknown
Memory Type	DDR
Type Detail	128
Speed	667 MHz
Manufacturer	Not available
Serial Number	Not available
Asset Tag Number	Not available
Part Number	Not available
Memory Device - Type 17	
Memory Error Information Handle	FFFEh
Total Width	72
Data Width	64
Size	1024 Mbytes
Form Factor	DIMM
Device Set	3
Device Locator	DIMM 04
Bank Locator	Unknown
Memory Type	DDR
Type Detail	128
Speed	667 MHz
Manufacturer	Not available
Serial Number	Not available
Asset Tag Number	Not available
Part Number	Not available
Memory Array Mapped Address - Type 19	
Starting Address	00000000h
Ending Address	003FFFFFFh
Memory Array Handle	1000h
Partition Width	2
Memory Device Mapped Address - Type 20	
Starting Address	00000000h
Ending Address	003FFFFFFh
Memory Device Handle	1100h
Memory Array Handle	1300h
Partition Row Position	1
Interleave Position	1
Interleave Data Depth	255
Memory Device Mapped Address - Type 20	
Starting Address	00000000h
Ending Address	003FFFFFFh
Memory Device Handle	1101h
Memory Array Handle	1300h
Partition Row Position	1
Interleave Position	2
Interleave Data Depth	255
Memory Device Mapped Address - Type 20	
Starting Address	00000000h
Ending Address	003FFFFFFh

Memory Device Handle	1102h
Memory Array Handle	1300h
Partition Row Position	1
Interleave Position	1
Interleave Data Depth	255
Memory Device Mapped Address - Type 20	
Starting Address	00000000h
Ending Address	003FFFFFFh
Memory Device Handle	1103h
Memory Array Handle	1300h
Partition Row Position	1
Interleave Position	2
Interleave Data Depth	255
System Boot Information - Type 32	
Boot Status	No Error
IPMI Device Information - Type 38	
Interface Type	KCS: Keyboard Controller Style
IPMI Specification Version	2.0
I2C Slave Address	20h
NV Storage Device Address	Unavailable
Base Address	0000000000000CA3h
Base Address Mapping	IO
Register Spacing	Successive Byte Boundaries
Interrupt Number	Unspecified
Other ROM Info - Type 193	
Length	7
Redundant ROM Installed	0
Redundant ROM Date	N/A
Boot Block ROM Date	08/25/2006
Superio Enable/Disable Features - Type 194	
Serial Port A Enabled Flag	Enabled
Serial Port B Enabled Flag	Disabled
Parallel Port Enabled Flag	Disabled
Floppy Port Enabled Flag	Disabled
Server System ID - Type 195	
Server System ID	0774
System Information - Type 196	
LCD Present Flag	LCD not present or not supported
LCD Type	Unknown LCD type
LCD Revision	0
LCD Alert Suppression	LCD Suppression not supported
Processor Information - Type 197	
Processor Information Handle	C500h
Processor Information Type 4 Handle	0400h
Processor Information APIC ID	0
Processor Information OEM Status	Bootstrap Processor
	Not Used

Processor Information Physical Slot Designator	
Processor Information Physical Socket Designator	1
Processor TControl Information - Type 211	
Processor TControl Value 76	
Management Agent Information - Type 198	
Power On Password Supported	Yes
Network Server Mode Supported	Yes
Floppy Boot Disable Supported	Yes
Quick Blank Supported	No
Quick Lock Supported	Yes
ECC Error Threshold	256
ECC Error Threshold Interval in minutes	15361
System Type	Reserved
CPU Microcode Patch Support - Type 199	
Number of Patches	12
Patch ID	000000A3h
Patch Date	08132007h
Patch CPUID	000006FDh
Patch ID	0000005Ah
Patch Date	09262007h
Patch CPUID	000006F2h
Patch ID	000000C6h
Patch Date	03072007h
Patch CPUID	000006F6h
Patch ID	00000004h
Patch Date	12232005h
Patch CPUID	00000F64h
Patch ID	00000025h
Patch Date	02272006h
Patch CPUID	000006F4h
Patch ID	00000011h
Patch Date	10102005h
Patch CPUID	000006F1h
Patch ID	00000003h
Patch Date	04212005h
Patch CPUID	00000F49h
Patch ID	0000000Fh
Patch Date	12152005h
Patch CPUID	00000F62h
Patch ID	00000003h
Patch Date	04212005h
Patch CPUID	00000F47h
Patch ID	00000006h
Patch Date	04212005h
Patch CPUID	00000F44h
Patch ID	00000033h
Patch Date	05012006h
Patch CPUID	000006F5h

Patch ID	00000009h
Patch Date	04282006h
Patch CPUID	00000F65h
Embedded Rom Virtual Disk Table - Type 205	
Number of Rom Images	1
Image ID Signature	FATx
Address High	FFE00000h
Address Low	00000000h
Length	00100000h
Memory Location - Type 202	
Memory Location Handle	51712
Memory Location Type 17 Handle	4352
Memory Physical Location	System Board
Memory DIMM Socket Number	1
Memory Location - Type 202	
Memory Location Handle	51713
Memory Location Type 17 Handle	4353
Memory Physical Location	System Board
Memory DIMM Socket Number	2
Memory Location - Type 202	
Memory Location Handle	51714
Memory Location Type 17 Handle	4354
Memory Physical Location	System Board
Memory DIMM Socket Number	3
Memory Location - Type 202	
Memory Location Handle	51715
Memory Location Type 17 Handle	4355
Memory Physical Location	System Board
Memory DIMM Socket Number	4
MAC Address - Embedded NICs - Type 209	
Number of Embedded NICs	2
Embedded NIC #	1
Device	4
Function	0
Bus Address	3
MAC Address	00-1E-0B-4E-00-D8
Embedded NIC #	2
Device	4
Function	1
Bus Address	3
MAC Address	00-1E-0B-4E-00-D9
HPQ 64-bit BIOS Service info - Type 212	
	55524324h

HPQ 64-bit BIOS Service signature	
HPQ 64-bit BIOS service address hi	FFF58000h
HPQ 64-bit BIOS service address lo	00000000h
HPQ 64-bit BIOS service len(bytes)	00004000h
HPQ 64-bit BIOS entry offset	00000000h
SMBIOS Environment Support - Type 213	
Miscellaneous Control	EV Look-Up Not Supported
Storage Type	GROMIT NVRAM
Pointer to EV Log Size	00000036h
EV Log Start	00001FBFh
Pointer to EV Status Word	00000046h
HPQ IML Support Entry - Type 214	
IML Version	1.1
Storage Type	GROMIT NVRAM
Shaft Replacement Information - Type 215	
ECC Warranty Threshold for Errors in L1/L2 cache per hr.	5
Proliant ROM Feature support - Type 219	
Power Regulator Static Low Power Mode	Supported
Power Regulator Dynamic Power Savings Mode	Supported
OS Level Power Management	Supported
iLO Pstate Monitoring	Supported
SMBIOS Logical Processor Mapping - Type 220	
Number of Logical Processors	8
APIC ID	0
Type 197 Handle	C500h
Logical Core Number	0
Logical Thread Number	0
APIC ID	1
Type 197 Handle	C500h
Logical Core Number	0
Logical Thread Number	1
APIC ID	2
Type 197 Handle	C500h
Logical Core Number	1
Logical Thread Number	0
APIC ID	3
Type 197 Handle	C500h
Logical Core Number	1
Logical Thread Number	1
APIC ID	0
Type 197 Handle	DD00h
Logical Core Number	20
Logical Thread Number	0

APIC ID	221
Type 197 Handle	0000h
Logical Core Number	0
Logical Thread Number	0
APIC ID	0
Type 197 Handle	0000h
Logical Core Number	0
Logical Thread Number	0
APIC ID	0
Type 197 Handle	0000h
Logical Core Number	0
Logical Thread Number	0
MAC Address - Embedded iSCSI NICs - Type 221	
Number of Embedded iSCSI NICs	2
Embedded iSCSI NIC #	1
Device	0
Function	0
Bus Address	0
MAC Address	00-00-00-00-00-00
Embedded iSCSI NIC #	2
Device	0
Function	0
Bus Address	0
MAC Address	00-00-00-00-00-00
SMBIOS Structure Type 127	
SMBIOS Structure Data at offset 0x0:	7F 04 00 7F -- -- --
CMOS Memory Area	
0000 - 000F - XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX 00 00	.....
0010 - 001F - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	.....
0020 - 002F - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	.....
0030 - 003F - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	.....
0040 - 004F - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	.....
0050 - 005F - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	.....
0060 - 006F - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	.....
0070 - 007F - 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	.....
ASR Info	
Automatic Server Recovery Status	1
Automatic Server Recovery Timeout	49
Dial In Status	
Dial Out Status	
Dial Out Number	
Pager Status	
Pager Number	
Last Reboot by ASR Event?	0
Automatic Server Recovery Count	0
Automatic Server Recovery Limit	10
Health Driver	Available
CMOS Device	CMOS non-volatile memory
Compliance device	Compliance testing for IPMI

IML Device	Integrated Management Log
0 Recent Critical Events	
Motherboard	System motherboard
Operating System	
Operating System	
System Name	Microsoft Windows
Version Name	6.1.7601
Operating System Commercial Name	Microsoft Windows Server 2008 R2 Enterprise x64 Version, Service Pack 1 (Build 7601)
Operating System Vendor's Version	
System Information	Microsoft Windows Server 2008 R2 Enterprise
OS Version	6.1.7601
Last boot time	2014-10-06 08:27:11
Build	7601
System directory	C:\Windows
Registered user	Windows User
Checked or free build	Free
Trusted Computer Platform Alliance supported	No
IRQ Settings	
IRQ 0, Unknown Trigger Type, Not Shared	System timer
IRQ 1, Unknown Trigger Type, Not Shared	Standard PS/2 Keyboard
IRQ 4, Unknown Trigger Type, Not Shared	Communications Port
IRQ 10, Level Triggered, Not Shared	HP ProLiant iLO 2 Legacy Support Function
IRQ 12, Unknown Trigger Type, Not Shared	PS/2 Compatible Mouse
IRQ 14, Level Triggered, Not Shared	IDE Channel
IRQ 15, Level Triggered, Not Shared	IDE Channel
IRQ 16, Level Triggered, Shared	HP NC324i PCIe Dual Port Gigabit Server Adapter
IRQ 16, Level Triggered, Shared	Intel(R) E7230/3000/3010 PCI Express Root Port - 2779
IRQ 17, Level Triggered, Not Shared	HP NC324i PCIe Dual Port Gigabit Server Adapter
IRQ 21, Level Triggered, Shared	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27C8
IRQ 21, Level Triggered, Shared	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27C9
IRQ 21, Level Triggered, Shared	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CA
IRQ 21, Level Triggered, Shared	ATI ES1000
IRQ 21, Level Triggered, Shared	Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CB
IRQ 21, Level Triggered, Shared	Intel(R) 82801G (ICH7 Family) USB2 Enhanced Host Controller - 27CC
IRQ 22, Level Triggered, Not Shared	HP ProLiant iLO 2 Management Controller Driver
IRQ 23, Level Triggered, Shared	HP iLO Management Channel Interface Driver
IRQ 23, Level Triggered, Shared	Standard Universal PCI to USB Host Controller

IRQ 81, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 82, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 83, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 84, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 85, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 86, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 87, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 88, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 89, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 90, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 91, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 92, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 93, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 94, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 95, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 96, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 97, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 98, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
IRQ 99, Unknown Trigger Type, Not Shared	Microsoft ACPI-Compliant System
Service	
Service name	AeLookupSvc
Service file version	6.1.7600.16385
Service description	Processes application compatibility cache requests for applications as they are launched
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	ALG
Service file version	6.1.7600.16385
Service description	Provides support for 3rd party protocol plug-ins for Internet Connection Sharing
Service state	Stopped
Service path	C:\Windows\System32\alg.exe
Service type	Own Process
Service	
Service name	AppHostSvc
Service file version	6.1.7600.16385
Service description	Provides administrative services for IIS, for example configuration history and Application Pool account mapping. If this service is stopped, configuration history and locking down files or directories with Application Pool specific Access Control Entries will not work.

Service state	Running
Service path	C:\Windows\system32\svchost.exe -k apphost
Service type	Share Process
Service	
Service name	AppIDSvc
Service file version	6.1.7600.16385
Service description	Determines and verifies the identity of an application. Disabling this service will prevent AppLocker from being enforced.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation
Service type	Share Process
Service	
Service name	Appinfo
Service file version	6.1.7600.16385
Service description	Facilitates the running of interactive applications with additional administrative privileges. If this service is stopped, users will be unable to launch applications with the additional administrative privileges they may require to perform desired user tasks.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	AppMgmt
Service file version	6.1.7600.16385
Service description	Processes installation, removal, and enumeration requests for software deployed through Group Policy. If the service is disabled, users will be unable to install, remove, or enumerate software deployed through Group Policy. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	aspnet_state
Service file version	4.0.30319.18408
Service description	Provides support for out-of-process session states for ASP.NET. If this service is stopped, out-of-process requests will not be processed. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\Microsoft.NET\Framework64\v4.0.30319\aspnet_state.exe
Service type	Own Process
Service	
Service name	AudioEndpointBuilder
Service file version	6.1.7600.16385
Service description	Manages audio devices for the Windows Audio service. If this service is stopped, audio devices and effects will not function properly. If this service is disabled, any services that explicitly depend on it will fail to start
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted
Service type	Share Process
Service	
Service name	AudioSrv
Service file version	6.1.7600.16385
Service description	Manages audio for Windows-based programs. If this service is stopped, audio devices and effects will not function properly. If this service is disabled, any services that explicitly depend on it will fail to start
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted

Service type	Share Process
Service	
Service name	BFE
Service file version	6.1.7600.16385
Service description	The Base Filtering Engine (BFE) is a service that manages firewall and Internet Protocol security (IPsec) policies and implements user mode filtering. Stopping or disabling the BFE service will significantly reduce the security of the system. It will also result in unpredictable behavior in IPsec management and firewall applications.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k LocalServiceNoNetwork
Service type	Share Process
Service	
Service name	BITS
Service file version	6.1.7600.16385
Service description	Transfers files in the background using idle network bandwidth. If the service is disabled, then any applications that depend on BITS, such as Windows Update or MSN Explorer, will be unable to automatically download programs and other information.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	Browser
Service file version	6.1.7600.16385
Service description	Maintains an updated list of computers on the network and supplies this list to computers designated as browsers. If this service is stopped, this list will not be updated or maintained. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	CertPropSvc
Service file version	6.1.7600.16385
Service description	Copies user certificates and root certificates from smart cards into the current user's certificate store, detects when a smart card is inserted into a smart card reader, and, if needed, installs the smart card Plug and Play minidriver.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	clr_optimization_v2.0.50727_32
Service file version	2.0.50727.5483
Service description	Microsoft .NET Framework NGEN
Service state	Stopped
Service path	C:\Windows\Microsoft.NET\Framework\v2.0.50727\mscorsvw.exe
Service type	Own Process
Service	
Service name	clr_optimization_v2.0.50727_64
Service file version	2.0.50727.5483
Service description	Microsoft .NET Framework NGEN
Service state	Stopped
Service path	C:\Windows\Microsoft.NET\Framework64\v2.0.50727\mscorsvw.exe
Service type	Own Process
Service	
Service name	clr_optimization_v4.0.30319_32
Service file version	4.0.30319.18408

Service description	Microsoft .NET Framework NGEN
Service state	Stopped
Service path	C:\Windows\Microsoft.NET\Framework\v4.0.30319\mscorsvw.exe
Service type	Own Process
Service	
Service name	clr_optimization_v4.0.30319_64
Service file version	4.0.30319.18408
Service description	Microsoft .NET Framework NGEN
Service state	Stopped
Service path	C:\Windows\Microsoft.NET\Framework64\v4.0.30319\mscorsvw.exe
Service type	Own Process
Service	
Service name	COMSysApp
Service file version	6.1.7600.16385
Service description	Manages the configuration and tracking of Component Object Model (COM)+-based components. If the service is stopped, most COM+-based components will not function properly. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\system32\dlhhost.exe /Processid:{02D4B3F1-FD88-11D1-960D-00805FC79235}
Service type	Own Process
Service	
Service name	CpqRcmc
Service file version	5.21.0.0
Service description	Provides support for the HP ProLiant Integrated Management Log Viewer.
Service state	Running
Service path	C:\Windows\system32\cpqrcmc.exe
Service type	Own Process
Service	
Service name	cpqvcagent
Service file version	6.2.0.860
Service description	Collects data and allows management of ProLiant software and firmware.
Service state	Running
Service path	C:\hp\hpsmh\data\cgi-bin\vcagent\vcagent.exe
Service type	Own Process
Service	
Service name	CryptSvc
Service file version	6.1.7600.16385
Service description	Provides four management services: Catalog Database Service, which confirms the signatures of Windows files and allows new programs to be installed; Protected Root Service, which adds and removes Trusted Root Certification Authority certificates from this computer; Automatic Root Certificate Update Service, which retrieves root certificates from Windows Update and enable scenarios such as SSL; and Key Service, which helps enroll this computer for certificates. If this service is stopped, these management services will not function properly. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k NetworkService
Service type	Share Process
Service	
Service name	DcomLaunch
Service file version	6.1.7600.16385
Service description	The DCOMLAUNCH service launches COM and DCOM servers in response to object activation requests. If this service is stopped or disabled, programs using COM or DCOM

	will not function properly. It is strongly recommended that you have the DCOMLAUNCH service running.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k DcomLaunch
Service type	Share Process
Service	
Service name	defragsvc
Service file version	6.1.7600.16385
Service description	Provides Disk Defragmentation Capabilities.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k defragsvc
Service type	Own Process
Service	
Service name	Dhcp
Service file version	6.1.7600.16385
Service description	Registers and updates IP addresses and DNS records for this computer. If this service is stopped, this computer will not receive dynamic IP addresses and DNS updates. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted
Service type	Share Process
Service	
Service name	Dnscache
Service file version	6.1.7600.16385
Service description	The DNS Client service (dnscache) caches Domain Name System (DNS) names and registers the full computer name for this computer. If the service is stopped, DNS names will continue to be resolved. However, the results of DNS name queries will not be cached and the computer's name will not be registered. If the service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k NetworkService
Service type	Share Process
Service	
Service name	dot3svc
Service file version	6.1.7600.16385
Service description	The Wired AutoConfig (DOT3SVC) service is responsible for performing IEEE 802.1X authentication on Ethernet interfaces. If your current wired network deployment enforces 802.1X authentication, the DOT3SVC service should be configured to run for establishing Layer 2 connectivity and/or providing access to network resources. Wired networks that do not enforce 802.1X authentication are unaffected by the DOT3SVC service.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted
Service type	Share Process
Service	
Service name	DPS
Service file version	6.1.7600.16385
Service description	The Diagnostic Policy Service enables problem detection, troubleshooting and resolution for Windows components. If this service is stopped, diagnostics will no longer function.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k LocalServiceNoNetwork
Service type	Share Process
Service	
Service name	EapHost
Service file version	6.1.7600.16385
Service description	

	The Extensible Authentication Protocol (EAP) service provides network authentication in such scenarios as 802.1x wired and wireless, VPN, and Network Access Protection (NAP). EAP also provides application programming interfaces (APIs) that are used by network access clients, including wireless and VPN clients, during the authentication process. If you disable this service, this computer is prevented from accessing networks that require EAP authentication.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	EFS
Service file version	6.1.7601.18443
Service description	Provides the core file encryption technology used to store encrypted files on NTFS file system volumes. If this service is stopped or disabled, applications will be unable to access encrypted files.
Service state	Stopped
Service path	C:\Windows\System32\lsass.exe
Service type	Share Process
Service	
Service name	eventlog
Service file version	6.1.7600.16385
Service description	This service manages events and event logs. It supports logging events, querying events, subscribing to events, archiving event logs, and managing event metadata. It can display events in both XML and plain text format. Stopping this service may compromise security and reliability of the system.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted
Service type	Share Process
Service	
Service name	EventSystem
Service file version	6.1.7600.16385
Service description	Supports System Event Notification Service (SENS), which provides automatic distribution of events to subscribing Component Object Model (COM) components. If the service is stopped, SENS will close and will not be able to provide logon and logoff notifications. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k LocalService
Service type	Share Process
Service	
Service name	FCRegSvc
Service file version	6.1.7600.16385
Service description	Registers the platform with all available Fibre Channel fabrics, and maintains the registrations.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted
Service type	Share Process
Service	
Service name	fdPHost
Service file version	6.1.7600.16385
Service description	The FDPHOST service hosts the Function Discovery (FD) network discovery providers. These FD providers supply network discovery services for the Simple Services Discovery Protocol (SSDP) and Web Services – Discovery (WS-D) protocol. Stopping or disabling the FDPHOST service will disable network discovery for these protocols when using FD. When this service is unavailable, network services using FD and relying on these discovery protocols will be unable to find network devices or resources.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalService

Service type	Share Process
Service	
Service name	FDRResPub
Service file version	6.1.7600.16385
Service description	Publishes this computer and resources attached to this computer so they can be discovered over the network. If this service is stopped, network resources will no longer be published and they will not be discovered by other computers on the network.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation
Service type	Share Process
Service	
Service name	FontCache
Service file version	6.1.7600.16385
Service description	Optimizes performance of applications by caching commonly used font data. Applications will start this service if it is not already running. It can be disabled, though doing so will degrade application performance.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k LocalService
Service type	Share Process
Service	
Service name	FontCache3.0.0.0
Service file version	3.0.6920.5011
Service description	Optimizes performance of Windows Presentation Foundation (WPF) applications by caching commonly used font data. WPF applications will start this service if it is not already running. It can be disabled, though doing so will degrade the performance of WPF applications.
Service state	Stopped
Service path	C:\Windows\Microsoft.Net\Framework64\v3.0\WPF\PresentationFontCache.exe
Service type	Own Process
Service	
Service name	gpsvc
Service file version	6.1.7600.16385
Service description	The service is responsible for applying settings configured by administrators for the computer and users through the Group Policy component. If the service is stopped or disabled, the settings will not be applied and applications and components will not be manageable through Group Policy. Any components or applications that depend on the Group Policy component might not be functional if the service is stopped or disabled.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	hidserv
Service file version	6.1.7600.16385
Service description	Enables generic input access to Human Interface Devices (HID), which activates and maintains the use of predefined hot buttons on keyboards, remote controls, and other multimedia devices. If this service is stopped, hot buttons controlled by this service will no longer function. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted
Service type	Share Process
Service	
Service name	hkmsvc
Service file version	6.1.7600.16385
Service description	Provides X.509 certificate and key management services for the Network Access Protection Agent (NAPAgent). Enforcement technologies that use X.509 certificates may not function properly without this service

Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	idsvc
Service file version	3.0.4506.5464
Service description	Securely enables the creation, management, and disclosure of digital identities.
Service state	Stopped
Service path	"C:\Windows\Microsoft.NET\Framework64\v3.0\Windows Communication Foundation\infocard.exe"
Service type	Share Process
Service	
Service name	IEEtwCollectorService
Service file version	11.0.9600.17280
Service description	ETW Collector Service for Internet Explorer. When running, this service collects real time ETW events and processes them.
Service state	Stopped
Service path	C:\Windows\system32\IEEtwCollector.exe /V
Service type	Own Process
Service	
Service name	IKEEXT
Service file version	6.1.7600.16385
Service description	The IKEEXT service hosts the Internet Key Exchange (IKE) and Authenticated Internet Protocol (AuthIP) keying modules. These keying modules are used for authentication and key exchange in Internet Protocol security (IPsec). Stopping or disabling the IKEEXT service will disable IKE and AuthIP key exchange with peer computers. IPsec is typically configured to use IKE or AuthIP; therefore, stopping or disabling the IKEEXT service might result in an IPsec failure and might compromise the security of the system. It is strongly recommended that you have the IKEEXT service running.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	IPBusEnum
Service file version	6.1.7600.16385
Service description	The PnP-X bus enumerator service manages the virtual network bus. It discovers network connected devices using the SSDP/WS discovery protocols and gives them presence in PnP. If this service is stopped or disabled, presence of NCD devices will not be maintained in PnP. All pnpX based scenarios will stop functioning.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted
Service type	Share Process
Service	
Service name	iphlpvc
Service file version	6.1.7600.16385
Service description	Provides tunnel connectivity using IPv6 transition technologies (6to4, ISATAP, Port Proxy, and Teredo), and IP-HTTPS. If this service is stopped, the computer will not have the enhanced connectivity benefits that these technologies offer.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k NetSvcs
Service type	Share Process
Service	
Service name	KeyIso
Service file version	6.1.7601.18443
Service description	The CNG key isolation service is hosted in the LSA process. The service provides key process isolation to private keys and associated cryptographic operations as required by

	the Common Criteria. The service stores and uses long-lived keys in a secure process complying with Common Criteria requirements.
Service state	Stopped
Service path	C:\Windows\system32\lsass.exe
Service type	Share Process
Service	
Service name	KtmRm
Service file version	6.1.7600.16385
Service description	Coordinates transactions between the Distributed Transaction Coordinator (MSDTC) and the Kernel Transaction Manager (KTM). If it is not needed, it is recommended that this service remain stopped. If it is needed, both MSDTC and KTM will start this service automatically. If this service is disabled, any MSDTC transaction interacting with a Kernel Resource Manager will fail and any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k NetworkServiceAndNoImpersonation
Service type	Share Process
Service	
Service name	LanmanServer
Service file version	6.1.7600.16385
Service description	Supports file, print, and named-pipe sharing over the network for this computer. If this service is stopped, these functions will be unavailable. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	LanmanWorkstation
Service file version	6.1.7600.16385
Service description	Creates and maintains client network connections to remote servers using the SMB protocol. If this service is stopped, these connections will be unavailable. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k NetworkService
Service type	Share Process
Service	
Service name	ltdsvc
Service file version	6.1.7600.16385
Service description	Creates a Network Map, consisting of PC and device topology (connectivity) information, and metadata describing each PC and device. If this service is disabled, the Network Map will not function properly.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k LocalService
Service type	Share Process
Service	
Service name	lmhosts
Service file version	6.1.7600.16385
Service description	Provides support for the NetBIOS over TCP/IP (NetBT) service and NetBIOS name resolution for clients on the network, therefore enabling users to share files, print, and log on to the network. If this service is stopped, these functions might be unavailable. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k LocalServiceNetworkRestricted
Service type	Share Process
Service	
Service name	MMCSS
Service file version	6.1.7600.16385

Service description	Enables relative prioritization of work based on system-wide task priorities. This is intended mainly for multimedia applications. If this service is stopped, individual tasks resort to their default priority.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	MpsSvc
Service file version	6.1.7600.16385
Service description	Windows Firewall helps protect your computer by preventing unauthorized users from gaining access to your computer through the Internet or a network.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k LocalServiceNoNetwork
Service type	Share Process
Service	
Service name	MSDTC
Service file version	2001.12.8530.16385
Service description	Coordinates transactions that span multiple resource managers, such as databases, message queues, and file systems. If this service is stopped, these transactions will fail. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\System32\msdtc.exe
Service type	Own Process
Service	
Service name	MSiSCSI
Service file version	6.1.7600.16385
Service description	Manages Internet SCSI (iSCSI) sessions from this computer to remote iSCSI target devices. If this service is stopped, this computer will not be able to login or access iSCSI targets. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	msiserver
Service file version	5.0.7601.17514
Service description	Adds, modifies, and removes applications provided as a Windows Installer (*.msi) package. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\system32\msiexec.exe /V
Service type	Own Process
Service	
Service name	MSMQ
Service file version	6.1.7600.16385
Service description	Provides a messaging infrastructure and development tool for creating distributed messaging applications for Windows-based networks and programs. If this service is stopped, distributed messages will be unavailable. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\system32\mqsvc.exe
Service type	Own Process
Service	
Service name	MSSQL\$GBHUDNN
Service file version	2009.100.1600.1
Service description	Provides storage, processing and controlled access of data, and rapid transaction processing.

Service state	Running
Service path	"C:\Program Files\Microsoft SQL Server\MSSQL10_50.GBHUDNN\MSSQL\Binn\sqlservr.exe" -sGBHUDNN
Service type	Own Process
Service	
Service name	MSSQLServerADHelper100
Service file version	2009.100.1600.1
Service description	Enables integration with Active Directories
Service state	Stopped
Service path	"C:\Program Files\Microsoft SQL Server\100\Shared\SQLADHLP.EXE"
Service type	Own Process
Service	
Service name	napagent
Service file version	6.1.7600.16385
Service description	The Network Access Protection (NAP) agent service collects and manages health information for client computers on a network. Information collected by NAP agent is used to make sure that the client computer has the required software and settings. If a client computer is not compliant with health policy, it can be provided with restricted network access until its configuration is updated. Depending on the configuration of health policy, client computers might be automatically updated so that users quickly regain full network access without having to manually update their computer.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k NetworkService
Service type	Share Process
Service	
Service name	Netlogon
Service file version	6.1.7601.18443
Service description	Maintains a secure channel between this computer and the domain controller for authenticating users and services. If this service is stopped, the computer may not authenticate users and services and the domain controller cannot register DNS records. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\system32\lsass.exe
Service type	Share Process
Service	
Service name	Netman
Service file version	6.1.7600.16385
Service description	Manages objects in the Network and Dial-Up Connections folder, in which you can view both local area network and remote connections.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted
Service type	Share Process
Service	
Service name	NetMsmqActivator
Service file version	4.0.30319.18408
Service description	Receives activation requests over the net.msmq and msmq.formatname protocols and passes them to the Windows Process Activation Service.
Service state	Stopped
Service path	"C:\Windows\Microsoft.NET\Framework64\v4.0.30319\SMShost.exe" -NetMsmqActivator
Service type	Share Process
Service	
Service name	NetPipeActivator
Service file version	4.0.30319.18408
Service description	Receives activation requests over the net.pipe protocol and passes them to the Windows Process Activation Service.

Service state	Running
Service path	C:\Windows\Microsoft.NET\Framework64\v4.0.30319\SMSSvcHost.exe
Service type	Share Process
Service	
Service name	netprofm
Service file version	6.1.7600.16385
Service description	Identifies the networks to which the computer has connected, collects and stores properties for these networks, and notifies applications when these properties change.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k LocalService
Service type	Share Process
Service	
Service name	NetTcpActivator
Service file version	4.0.30319.18408
Service description	Receives activation requests over the net.tcp protocol and passes them to the Windows Process Activation Service.
Service state	Running
Service path	C:\Windows\Microsoft.NET\Framework64\v4.0.30319\SMSSvcHost.exe
Service type	Share Process
Service	
Service name	NetTcpPortSharing
Service file version	4.0.30319.18408
Service description	Provides ability to share TCP ports over the net.tcp protocol.
Service state	Running
Service path	C:\Windows\Microsoft.NET\Framework64\v4.0.30319\SMSSvcHost.exe
Service type	Share Process
Service	
Service name	NlaSvc
Service file version	6.1.7600.16385
Service description	Collects and stores configuration information for the network and notifies programs when this information is modified. If this service is stopped, configuration information might be unavailable. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k NetworkService
Service type	Share Process
Service	
Service name	nsi
Service file version	6.1.7600.16385
Service description	This service delivers network notifications (e.g. interface addition/deleting etc) to user mode clients. Stopping this service will cause loss of network connectivity. If this service is disabled, any other services that explicitly depend on this service will fail to start.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k LocalService
Service type	Share Process
Service	
Service name	PerfHost
Service file version	6.1.7600.16385
Service description	Enables remote users and 64-bit processes to query performance counters provided by 32-bit DLLs. If this service is stopped, only local users and 32-bit processes will be able to query performance counters provided by 32-bit DLLs.
Service state	Stopped
Service path	C:\Windows\SysWow64\perfhost.exe
Service type	Own Process
Service	
Service name	pla

Service file version	6.1.7600.16385
Service description	Performance Logs and Alerts Collects performance data from local or remote computers based on preconfigured schedule parameters, then writes the data to a log or triggers an alert. If this service is stopped, performance information will not be collected. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k LocalServiceNoNetwork
Service type	Share Process
Service	
Service name	PlugPlay
Service file version	6.1.7600.16385
Service description	Enables a computer to recognize and adapt to hardware changes with little or no user input. Stopping or disabling this service will result in system instability.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k DcomLaunch
Service type	Share Process
Service	
Service name	PolicyAgent
Service file version	6.1.7600.16385
Service description	Internet Protocol security (IPsec) supports network-level peer authentication, data origin authentication, data integrity, data confidentiality (encryption), and replay protection. This service enforces IPsec policies created through the IP Security Policies snap-in or the command-line tool "netsh ipsec". If you stop this service, you may experience network connectivity issues if your policy requires that connections use IPsec. Also,remote management of Windows Firewall is not available when this service is stopped.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k NetworkServiceNetworkRestricted
Service type	Share Process
Service	
Service name	Power
Service file version	6.1.7600.16385
Service description	Manages power policy and power policy notification delivery.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k DcomLaunch
Service type	Share Process
Service	
Service name	ProfSvc
Service file version	6.1.7600.16385
Service description	This service is responsible for loading and unloading user profiles. If this service is stopped or disabled, users will no longer be able to successfully logon or logoff, applications may have problems getting to users' data, and components registered to receive profile event notifications will not receive them.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	ProtectedStorage
Service file version	6.1.7601.18443
Service description	Provides protected storage for sensitive data, such as passwords, to prevent access by unauthorized services, processes, or users.
Service state	Stopped
Service path	C:\Windows\system32\lsass.exe
Service type	Share Process
Service	
Service name	RasAuto
Service file version	6.1.7600.16385

Service description	Creates a connection to a remote network whenever a program references a remote DNS or NetBIOS name or address.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	RasMan
Service file version	6.1.7600.16385
Service description	Manages dial-up and virtual private network (VPN) connections from this computer to the Internet or other remote networks. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	RemoteAccess
Service file version	6.1.7600.16385
Service description	Offers routing services to businesses in local area and wide area network environments.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	RemoteRegistry
Service file version	6.1.7600.16385
Service description	Enables remote users to modify registry settings on this computer. If this service is stopped, the registry can be modified only by users on this computer. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k regsvc
Service type	Share Process
Service	
Service name	ReportServer\$GBHUDNN
Service file version	2009.100.1600.1
Service description	Manages, executes, renders, schedules and delivers reports.
Service state	Running
Service path	"C:\Program Files\Microsoft SQL Server\MSRS10_50.GBHUDNN\Reporting Services\ReportServer\bin\ReportingServicesService.exe"
Service type	Own Process
Service	
Service name	RpcEptMapper
Service file version	6.1.7600.16385
Service description	Resolves RPC interfaces identifiers to transport endpoints. If this service is stopped or disabled, programs using Remote Procedure Call (RPC) services will not function properly.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k RPCSS
Service type	Share Process
Service	
Service name	RpcLocator
Service file version	6.1.7600.16385
Service description	In Windows 2003 and earlier versions of Windows, the Remote Procedure Call (RPC) Locator service manages the RPC name service database. In Windows Vista and later versions of Windows, this service does not provide any functionality and is present for application compatibility.
Service state	Stopped
Service path	C:\Windows\system32\locator.exe

Service type	Own Process
Service	
Service name	RpcSs
Service file version	6.1.7600.16385
Service description	The RPCSS service is the Service Control Manager for COM and DCOM servers. It performs object activations requests, object exporter resolutions and distributed garbage collection for COM and DCOM servers. If this service is stopped or disabled, programs using COM or DCOM will not function properly. It is strongly recommended that you have the RPCSS service running
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k rpcss
Service type	Share Process
Service	
Service name	RSoPProv
Service file version	6.1.7600.16385
Service description	Provides a network service that processes requests to simulate application of Group Policy settings for a target user or computer in various situations and computes the Resultant Set of Policy settings.
Service state	Stopped
Service path	C:\Windows\system32\RSoPProv.exe
Service type	Share Process
Service	
Service name	sacsvr
Service file version	6.1.7600.16385
Service description	Allows administrators to remotely access a command prompt using Emergency Management Services.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	SamSs
Service file version	6.1.7601.18443
Service description	The startup of this service signals other services that the Security Accounts Manager (SAM) is ready to accept requests. Disabling this service will prevent other services in the system from being notified when the SAM is ready, which may in turn cause those services to fail to start correctly. This service should not be disabled.
Service state	Running
Service path	C:\Windows\system32\lsass.exe
Service type	Share Process
Service	
Service name	SCardSvr
Service file version	6.1.7600.16385
Service description	Manages access to smart cards read by this computer. If this service is stopped, this computer will be unable to read smart cards. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation
Service type	Share Process
Service	
Service name	Schedule
Service file version	6.1.7600.16385
Service description	Enables a user to configure and schedule automated tasks on this computer. The service also hosts multiple Windows system-critical tasks. If this service is stopped or disabled, these tasks will not be run at their scheduled times. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k netsvcs

Service type	Share Process
Service	
Service name	SCPolicySvc
Service file version	6.1.7600.16385
Service description	Allows the system to be configured to lock the user desktop upon smart card removal.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	seclogon
Service file version	6.1.7600.16385
Service description	Enables starting processes under alternate credentials. If this service is stopped, this type of logon access will be unavailable. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	SENS
Service file version	6.1.7600.16385
Service description	Monitors system events and notifies subscribers to COM+ Event System of these events.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	SessionEnv
Service file version	6.1.7600.16385
Service description	Remote Desktop Configuration service (RDCS) is responsible for all Remote Desktop Services and Remote Desktop related configuration and session maintenance activities that require SYSTEM context. These include per-session temporary folders, RD themes, and RD certificates.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	SharedAccess
Service file version	6.1.7600.16385
Service description	Provides network address translation, addressing, name resolution and/or intrusion prevention services for a home or small office network.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	ShellHWDetection
Service file version	6.1.7600.16385
Service description	Provides notifications for AutoPlay hardware events.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	SNMPTRAP
Service file version	6.1.7600.16385
Service description	Receives trap messages generated by local or remote Simple Network Management Protocol (SNMP) agents and forwards the messages to SNMP management programs running on this computer. If this service is stopped, SNMP-based programs on this

	computer will not receive SNMP trap messages. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\System32\snmptrap.exe
Service type	Own Process
Service	
Service name	Spooler
Service file version	6.1.7601.17777
Service description	Loads files to memory for later printing
Service state	Running
Service path	C:\Windows\System32\spoolsv.exe
Service type	Own Process
Service	
Service name	spssvc
Service file version	6.1.7601.17514
Service description	Enables the download, installation and enforcement of digital licenses for Windows and Windows applications. If the service is disabled, the operating system and licensed applications may run in a notification mode. It is strongly recommended that you not disable the Software Protection service.
Service state	Running
Service path	C:\Windows\system32\spssvc.exe
Service type	Own Process
Service	
Service name	sppuinotify
Service file version	6.1.7600.16385
Service description	Provides Software Licensing activation and notification
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalService
Service type	Share Process
Service	
Service name	SQLAgent\$GBHUDNN
Service description	Executes jobs, monitors SQL Server, fires alerts, and allows automation of some administrative tasks.
Service state	Running
Service path	"C:\Program Files\Microsoft SQL Server\MSSQL10_50.GBHUDNN\MSSQL\Binn\SQLAGENT.EXE" -i GBHUDNN
Service type	Own Process
Service	
Service name	SQLBrowser
Service file version	2009.100.1600.1
Service description	Provides SQL Server connection information to client computers.
Service state	Running
Service path	"C:\Program Files (x86)\Microsoft SQL Server\90\Shared\sqlbrowser.exe"
Service type	Own Process
Service	
Service name	SQLWriter
Service file version	2009.100.1600.1
Service description	Provides the interface to backup/restore Microsoft SQL server through the Windows VSS infrastructure.
Service state	Running
Service path	"C:\Program Files\Microsoft SQL Server\90\Shared\sqlwriter.exe"
Service type	Own Process
Service	
Service name	SSDPSRV
Service file version	6.1.7600.16385

Service description	Discovers networked devices and services that use the SSDP discovery protocol, such as UPnP devices. Also announces SSDP devices and services running on the local computer. If this service is stopped, SSDP-based devices will not be discovered. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation
Service type	Share Process
Service	
Service name	SstpSvc
Service file version	6.1.7600.16385
Service description	Provides support for the Secure Socket Tunneling Protocol (SSTP) to connect to remote computers using VPN. If this service is disabled, users will not be able to use SSTP to access remote servers.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalService
Service type	Share Process
Service	
Service name	swprv
Service file version	6.1.7600.16385
Service description	Manages software-based volume shadow copies taken by the Volume Shadow Copy service. If this service is stopped, software-based volume shadow copies cannot be managed. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k swprv
Service type	Own Process
Service	
Service name	sysdown
Service file version	1.2.0.0
Service description	Shuts down the system in the event of overheating or loss of cooling in response to commands from the HP ProLiant iLO 2 Management Controller driver.
Service state	Running
Service path	C:\Windows\system32\sysdown.exe
Service type	Own Process
Service	
Service name	SysMgmtHp
Service file version	6.2.0.13
Service description	The HP System Management Homepage allows an administrator to monitor the web-apps on the system
Service state	Running
Service path	C:\hp\hpsmh\bin\smhstart.exe
Service type	Own Process
Service	
Service name	TapiSrv
Service file version	6.1.7600.16385
Service description	Provides Telephony API (TAPI) support for programs that control telephony devices on the local computer and, through the LAN, on servers that are also running the service.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k tapisrv
Service type	Own Process
Service	
Service name	TBS
Service file version	6.1.7600.16385
Service description	Enables access to the Trusted Platform Module (TPM), which provides hardware-based cryptographic services to system components and applications. If this service is stopped or disabled, applications will be unable to use keys protected by the TPM.

Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k LocalServiceAndNoImpersonation
Service type	Share Process
Service	
Service name	TermService
Service file version	6.1.7600.16385
Service description	Allows users to connect interactively to a remote computer. Remote Desktop and Remote Desktop Session Host Server depend on this service. To prevent remote use of this computer, clear the checkboxes on the Remote tab of the System properties control panel item.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k termsvcs
Service type	Share Process
Service	
Service name	THREADORDER
Service file version	6.1.7600.16385
Service description	Provides ordered execution for a group of threads within a specific period of time.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalService
Service type	Share Process
Service	
Service name	TrkWks
Service file version	6.1.7600.16385
Service description	Maintains links between NTFS files within a computer or across computers in a network.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted
Service type	Share Process
Service	
Service name	TrustedInstaller
Service file version	6.1.7601.17514
Service description	Enables installation, modification, and removal of Windows updates and optional components. If this service is disabled, install or uninstall of Windows updates might fail for this computer.
Service state	Running
Service path	C:\Windows\servicing\TrustedInstaller.exe
Service type	Own Process
Service	
Service name	UIODetect
Service file version	6.1.7600.16385
Service description	Enables user notification of user input for interactive services, which enables access to dialogs created by interactive services when they appear. If this service is stopped, notifications of new interactive service dialogs will no longer function and there might not be access to interactive service dialogs. If this service is disabled, both notifications of and access to new interactive service dialogs will no longer function.
Service state	Stopped
Service path	C:\Windows\system32\UIODetect.exe
Service type	Own Process
Service	
Service name	UmRdpService
Service file version	6.1.7600.16385
Service description	Allows the redirection of Printers/Drives/Ports for RDP connections
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted
Service type	Share Process
Service	
Service name	upnphost

Service file version	6.1.7600.16385
Service description	Allows UPnP devices to be hosted on this computer. If this service is stopped, any hosted UPnP devices will stop functioning and no additional hosted devices can be added. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalServiceAndNoImpersonation
Service type	Share Process
Service	
Service name	UxSms
Service file version	6.1.7600.16385
Service description	Provides Desktop Window Manager startup and maintenance services
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted
Service type	Share Process
Service	
Service name	VaultSvc
Service file version	6.1.7601.18443
Service description	Provides secure storage and retrieval of credentials to users, applications and security service packages.
Service state	Stopped
Service path	C:\Windows\system32\lsass.exe
Service type	Share Process
Service	
Service name	vds
Service file version	6.1.7601.17514
Service description	Provides management services for disks, volumes, file systems, and storage arrays.
Service state	Stopped
Service path	C:\Windows\System32\vds.exe
Service type	Own Process
Service	
Service name	VSS
Service file version	6.1.7601.17514
Service description	Manages and implements Volume Shadow Copies used for backup and other purposes. If this service is stopped, shadow copies will be unavailable for backup and the backup may fail. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Stopped
Service path	C:\Windows\system32\vssvc.exe
Service type	Own Process
Service	
Service name	W32Time
Service file version	6.1.7600.16385
Service description	Maintains date and time synchronization on all clients and servers in the network. If this service is stopped, date and time synchronization will be unavailable. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k LocalService
Service type	Share Process
Service	
Service name	W3SVC
Service file version	6.1.7600.16385
Service description	Provides Web connectivity and administration through the Internet Information Services Manager
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k iissvcs
Service type	Share Process

Service	
Service name	WAS
Service file version	6.1.7600.16385
Service description	The Windows Process Activation Service (WAS) provides process activation, resource management and health management services for message-activated applications.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k iissvcs
Service type	Share Process
Service	
Service name	WcsPlugInService
Service file version	6.1.7600.16385
Service description	The WcsPlugInService service hosts third-party Windows Color System color device model and gamut map model plug-in modules. These plug-in modules are vendor-specific extensions to the Windows Color System baseline color device and gamut map models. Stopping or disabling the WcsPlugInService service will disable this extensibility feature, and the Windows Color System will use its baseline model processing rather than the vendor's desired processing. This might result in inaccurate color rendering.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k wcssvc
Service type	Share Process
Service	
Service name	WdiServiceHost
Service file version	6.1.7600.16385
Service description	The Diagnostic Service Host is used by the Diagnostic Policy Service to host diagnostics that need to run in a Local Service context. If this service is stopped, any diagnostics that depend on it will no longer function.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k LocalService
Service type	Share Process
Service	
Service name	WdiSystemHost
Service file version	6.1.7600.16385
Service description	The Diagnostic System Host is used by the Diagnostic Policy Service to host diagnostics that need to run in a Local System context. If this service is stopped, any diagnostics that depend on it will no longer function.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k LocalSystemNetworkRestricted
Service type	Share Process
Service	
Service name	Weccsvc
Service file version	6.1.7600.16385
Service description	This service manages persistent subscriptions to events from remote sources that support WS-Management protocol. This includes Windows Vista event logs, hardware and IPMI-enabled event sources. The service stores forwarded events in a local Event Log. If this service is stopped or disabled event subscriptions cannot be created and forwarded events cannot be accepted.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k NetworkService
Service type	Share Process
Service	
Service name	wercplsupport
Service file version	6.1.7600.16385
Service description	This service provides support for viewing, sending and deletion of system-level problem reports for the Problem Reports and Solutions control panel.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k netsvcs
Service type	Share Process

Service	
Service name	WerSvc
Service file version	6.1.7600.16385
Service description	Allows errors to be reported when programs stop working or responding and allows existing solutions to be delivered. Also allows logs to be generated for diagnostic and repair services. If this service is stopped, error reporting might not work correctly and results of diagnostic services and repairs might not be displayed.
Service state	Stopped
Service path	C:\Windows\System32\svchost.exe -k WerSvcGroup
Service type	Share Process
Service	
Service name	WinHttpAutoProxySvc
Service file version	6.1.7600.16385
Service description	WinHTTP implements the client HTTP stack and provides developers with a Win32 API and COM Automation component for sending HTTP requests and receiving responses. In addition, WinHTTP provides support for auto-discovering a proxy configuration via its implementation of the Web Proxy Auto-Discovery (WPAD) protocol.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k LocalService
Service type	Share Process
Service	
Service name	Winmgmt
Service file version	6.1.7600.16385
Service description	Provides a common interface and object model to access management information about operating system, devices, applications and services. If this service is stopped, most Windows-based software will not function properly. If this service is disabled, any services that explicitly depend on it will fail to start.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	WinRM
Service file version	6.1.7600.16385
Service description	Windows Remote Management (WinRM) service implements the WS-Management protocol for remote management. WS-Management is a standard web services protocol used for remote software and hardware management. The WinRM service listens on the network for WS-Management requests and processes them. The WinRM Service needs to be configured with a listener using winrm.cmd command line tool or through Group Policy in order for it to listen over the network. The WinRM service provides access to WMI data and enables event collection. Event collection and subscription to events require that the service is running. WinRM messages use HTTP and HTTPS as transports. The WinRM service does not depend on IIS but is preconfigured to share a port with IIS on the same machine. The WinRM service reserves the /wsman URL prefix. To prevent conflicts with IIS, administrators should ensure that any websites hosted on IIS do not use the /wsman URL prefix.
Service state	Running
Service path	C:\Windows\System32\svchost.exe -k NetworkService
Service type	Share Process
Service	
Service name	wmiApSrv
Service file version	6.1.7600.16385
Service description	Provides performance library information from Windows Management Instrumentation (WMI) providers to clients on the network. This service only runs when Performance Data Helper is activated.
Service state	Stopped
Service path	C:\Windows\system32\wbem\WmiApSrv.exe
Service type	Own Process
Service	

Service name	WMSVC
Service file version	7.5.7600.16385
Service description	The Web Management Service enables remote and delegated management capabilities for administrators to manage for the Web server, sites and applications present on this machine.
Service state	Stopped
Service path	C:\Windows\system32\inetsrv\wmsvc.exe
Service type	Own Process
Service	
Service name	WPDBusEnum
Service file version	6.1.7600.16385
Service description	Enforces group policy for removable mass-storage devices. Enables applications such as Windows Media Player and Image Import Wizard to transfer and synchronize content using removable mass-storage devices.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted
Service type	Share Process
Service	
Service name	wuauclt
Service file version	6.1.7600.16385
Service description	Enables the detection, download, and installation of updates for Windows and other programs. If this service is disabled, users of this computer will not be able to use Windows Update or its automatic updating feature, and programs will not be able to use the Windows Update Agent (WUA) API.
Service state	Running
Service path	C:\Windows\system32\svchost.exe -k netsvcs
Service type	Share Process
Service	
Service name	wudfsvc
Service file version	6.1.7600.16385
Service description	Creates and manages user-mode driver processes. This service cannot be stopped.
Service state	Stopped
Service path	C:\Windows\system32\svchost.exe -k LocalSystemNetworkRestricted
Service type	Share Process
Process	
Process name	System Idle Process
Process size	0
Process	
Process name	System
Process size	3461120
Process	
Process name	smss.exe
Process size	4120576
Process	
Process name	csrss.exe
Process path	C:\Windows\system32\csrss.exe
Process size	51339264
Process	
Process name	csrss.exe
Process path	C:\Windows\system32\csrss.exe
Process size	47968256
Process	
Process name	wininit.exe
Process path	C:\Windows\system32\wininit.exe
Process size	50569216

Process	
Process name	winlogon.exe
Process path	C:\Windows\system32\winlogon.exe
Process size	32075776
Process	
Process name	services.exe
Process path	C:\Windows\system32\services.exe
Process size	42389504
Process	
Process name	lsass.exe
Process path	C:\Windows\system32\lsass.exe
Process size	51593216
Process	
Process name	lsm.exe
Process path	C:\Windows\system32\lsm.exe
Process size	34488320
Process	
Process name	svchost.exe
Process path	C:\Windows\system32\svchost.exe
Process size	52756480
Process	
Process name	svchost.exe
Process path	C:\Windows\system32\svchost.exe
Process size	40194048
Process	
Process name	svchost.exe
Process path	C:\Windows\System32\svchost.exe
Process size	52834304
Process	
Process name	svchost.exe
Process path	C:\Windows\system32\svchost.exe
Process size	193970176
Process	
Process name	svchost.exe
Process path	C:\Windows\system32\svchost.exe
Process size	76234752
Process	
Process name	svchost.exe
Process path	C:\Windows\System32\svchost.exe
Process size	75354112
Process	
Process name	svchost.exe
Process path	C:\Windows\system32\svchost.exe
Process size	130531328
Process	
Process name	svchost.exe
Process path	C:\Windows\system32\svchost.exe
Process size	57090048
Process	
Process name	spoolsv.exe
Process path	C:\Windows\System32\spoolsv.exe
Process size	84197376
Process	
Process name	svchost.exe

Process path	C:\Windows\system32\svchost.exe
Process size	42868736
Process	
Process name	aspnet_state.exe
Process path	C:\Windows\Microsoft.NET\Framework64\v4.0.30319\aspnet_state.exe
Process size	49770496
Process	
Process name	cpqrcmc.exe
Process path	C:\Windows\system32\cpqrcmc.exe
Process size	12124160
Process	
Process name	vcagent.exe
Process path	C:\hp\hpsmh\data\cgi-bin\vcagent\vcagent.exe
Process size	48132096
Process	
Process name	mqsvc.exe
Process path	C:\Windows\system32\mqsvc.exe
Process size	63631360
Process	
Process name	sqlservr.exe
Process path	C:\Program Files\Microsoft SQL Server\MSSQL10_50.GBHUDNN\MSSQL\Binn\sqlservr.exe
Process size	4604391424
Process	
Process name	SMSvcHost.exe
Process path	C:\Windows\Microsoft.NET\Framework64\v4.0.30319\SMSvcHost.exe
Process size	560910336
Process	
Process name	svchost.exe
Process path	C:\Windows\system32\svchost.exe
Process size	13840384
Process	
Process name	ReportingServicesService.exe
Process path	C:\Program Files\Microsoft SQL Server\MSRS10_50.GBHUDNN\Reporting Services\ReportServer\bin\ReportingServicesService.exe
Process size	3463016448
Process	
Process name	taskhost.exe
Process path	C:\Windows\system32\taskhost.exe
Process size	128380928
Process	
Process name	dwm.exe
Process path	C:\Windows\system32\Dwm.exe
Process size	58261504
Process	
Process name	explorer.exe
Process path	C:\Windows\Explorer.EXE
Process size	199675904
Process	
Process name	cpqteam.exe
Process path	C:\Program Files\HP\NCU\cpqteam.exe
Process size	59871232
Process	
Process name	SQLAGENT.EXE

Process path	C:\Program Files\Microsoft SQL Server\MSSQL10_50.GBHUDNN\MSSQL\Binn\SQLAGENT.EXE
Process size	537968640
Process	
Process name	conhost.exe
Process path	C:\Windows\system32\conhost.exe
Process size	30625792
Process	
Process name	sqlbrowser.exe
Process path	C:\Program Files (x86)\Microsoft SQL Server\90\Shared\sqlbrowser.exe
Process size	35295232
Process	
Process name	sqlwriter.exe
Process path	C:\Program Files\Microsoft SQL Server\90\Shared\sqlwriter.exe
Process size	48128000
Process	
Process name	sysdown.exe
Process path	C:\Windows\system32\sysdown.exe
Process size	19836928
Process	
Process name	smhstart.exe
Process path	C:\hp\hpsmh\bin\smhstart.exe
Process size	54480896
Process	
Process name	svchost.exe
Process path	C:\Windows\system32\svchost.exe
Process size	47112192
Process	
Process name	cmd.exe
Process path	C:\Windows\system32\cmd.exe
Process size	22716416
Process	
Process name	conhost.exe
Process path	C:\Windows\system32\conhost.exe
Process size	26583040
Process	
Process name	hpsmhd.exe
Process path	C:\hp\hpsmh\bin\hpsmhd.exe
Process size	74604544
Process	
Process name	cmd.exe
Process path	C:\Windows\system32\cmd.exe
Process size	22716416
Process	
Process name	rotatelog.exe
Process path	C:\hp\hpsmh\bin\rotatelog.exe
Process size	38297600
Process	
Process name	cmd.exe
Process path	C:\Windows\system32\cmd.exe
Process size	22716416
Process	
Process name	rotatelog.exe
Process path	C:\hp\hpsmh\bin\rotatelog.exe

Process size	38297600
Process	
Process name	hpsmhd.exe
Process path	C:\hp\hpsmh\bin\hpsmhd.exe
Process size	203001856
Process	
Process name	cmd.exe
Process path	C:\Windows\system32\cmd.exe
Process size	22716416
Process	
Process name	conhost.exe
Process path	C:\Windows\system32\conhost.exe
Process size	30691328
Process	
Process name	rotatelog.exe
Process path	C:\hp\hpsmh\bin\rotatelog.exe
Process size	38297600
Process	
Process name	cmd.exe
Process path	C:\Windows\system32\cmd.exe
Process size	22716416
Process	
Process name	conhost.exe
Process path	C:\Windows\system32\conhost.exe
Process size	30691328
Process	
Process name	rotatelog.exe
Process path	C:\hp\hpsmh\bin\rotatelog.exe
Process size	38297600
Process	
Process name	svchost.exe
Process path	C:\Windows\System32\svchost.exe
Process size	43008000
Process	
Process name	svchost.exe
Process path	C:\Windows\system32\svchost.exe
Process size	35753984
Process	
Process name	TrustedInstaller.exe
Process path	C:\Windows\servicing\TrustedInstaller.exe
Process size	60293120
Process	
Process name	sppsvc.exe
Process path	C:\Windows\system32\sppsvc.exe
Process size	42659840
Process	
Process name	javaw.exe
Process path	C:\Program Files\HP\HP Storage Manager\jre\bin\javaw.exe
Process size	46571840
Process	
Process name	iexplore.exe
Process path	C:\Program Files\Internet Explorer\iexplore.exe
Process size	153600000
Process	

Process name	iexplore.exe
Process path	C:\Program Files (x86)\Internet Explorer\IEXPLORE.EXE
Process size	255721472
Process	
Process name	WmiPrvSE.exe
Process path	C:\Windows\system32\wbem\wmiprvse.exe
Process size	37834752
Process	
Process name	msdtc.exe
Process path	C:\Windows\System32\msdtc.exe
Process size	64311296
Process	
Process name	iexplore.exe
Process path	C:\Program Files (x86)\Internet Explorer\IEXPLORE.EXE
Process size	243773440
Process	
Process name	WmiPrvSE.exe
Process path	C:\Windows\system32\wbem\wmiprvse.exe
Process size	81514496
Process	
Process name	hpdiagsai.exe
Process path	C:\hp\hpdiags\hpdiagsai.exe
Process size	62115840
Process	
Process name	conhost.exe
Process path	C:\Windows\system32\conhost.exe
Process size	50839552
Process	
Process name	hpdiagstc.exe
Process path	C:\hp\hpdiags\hpdiagstc.exe
Process size	82276352
Process	
Process name	conhost.exe
Process path	C:\Windows\system32\conhost.exe
Process size	50839552
Driver	
Driver name	1394 OHCI Compliant Host Controller
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\1394ohci.sys
Driver	
Driver name	Microsoft ACPI Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\ACPI.sys
Driver	
Driver name	ACPI Power Meter Driver
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\acpipmi.sys
Driver	

Driver name	adp94xx
Driver file version	1.6.6.4
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\adp94xx.sys
Driver	
Driver name	adpahci
Driver file version	1.6.6.1
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\adpahci.sys
Driver	
Driver name	adpu320
Driver file version	7.2.0.0
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\adpu320.sys
Driver	
Driver name	Ancillary Function Driver for Winsock
Driver file version	6.1.7601.18489
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\afd.sys
Driver	
Driver name	Intel AGP Bus Filter
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\agp440.sys
Driver	
Driver name	aliide
Driver file version	1.2.0.0
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\aliide.sys
Driver	
Driver name	amdide
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\amdide.sys
Driver	
Driver name	AMD K8 Processor Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\amdsk8.sys
Driver	
Driver name	AMD Processor Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\amdppm.sys
Driver	

Driver name	amdsata
Driver file version	1.1.2.5
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\amdsata.sys
Driver	
Driver name	amdsbs
Driver file version	3.6.1540.127
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\amdsbs.sys
Driver	
Driver name	amdxata
Driver file version	1.1.2.5
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\amdxata.sys
Driver	
Driver name	AppID Driver
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\appid.sys
Driver	
Driver name	arc
Driver file version	5.2.0.10384
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\arc.sys
Driver	
Driver name	arcsas
Driver file version	5.2.0.16119
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\arcsas.sys
Driver	
Driver name	RAS Asynchronous Media Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\asynmac.sys
Driver	
Driver name	IDE Channel
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\atapi.sys
Driver	
Driver name	ati2mtag
Driver file version	6.14.10.6748
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\ati2mtag.sys
Driver	

Driver name	Broadcom NetXtreme II VBD
Driver file version	4.8.2.0
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\bxvbda.sys
Driver	
Driver name	Broadcom NetXtreme Gigabit Ethernet - NDIS 6.0
Driver file version	14.2.0.5
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\b57nd60a.sys
Driver	
Driver name	Beep
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\Beep.sys
Driver	
Driver name	blbdrive
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\blbdrive.sys
Driver	
Driver name	Browser Support Driver
Driver file version	6.1.7601.17565
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\DRIVERS\browser.sys
Driver	
Driver name	Brother USB Mass-Storage Lower Filter Driver
Driver file version	1.10.0.2
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\BrFiltLo.sys
Driver	
Driver name	Brother USB Mass-Storage Upper Filter Driver
Driver file version	1.4.0.1
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\BrFiltUp.sys
Driver	
Driver name	Brother MFC Serial Port Interface Driver (WDM)
Driver file version	1.0.1.6
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\Drivers\Brserid.sys
Driver	
Driver name	Brother WDM Serial driver
Driver file version	1.0.0.20
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\Drivers\BrSerWdm.sys
Driver	

Driver name	Brother MFC USB Fax Only Modem
Driver file version	1.0.0.12
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\Drivers\BrUsbMdm.sys
Driver	
Driver name	Brother MFC USB Serial WDM Driver
Driver file version	1.0.1.3
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\Drivers\BrUsbSer.sys
Driver	
Driver name	CD/DVD File System Reader
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	File System Driver
Driver path	C:\Windows\system32\DRIVERS\cdfs.sys
Driver	
Driver name	CD-ROM Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\cdrom.sys
Driver	
Driver name	Common Log (CLFS)
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\CLFS.sys
Driver	
Driver name	Microsoft ACPI Control Method Battery Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\CmBatt.sys
Driver	
Driver name	cmdide
Driver file version	2.0.7.0
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\cmdide.sys
Driver	
Driver name	CNG
Driver file version	6.1.7601.17919
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\Drivers\cng.sys
Driver	
Driver name	Compbatt
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\compbatt.sys
Driver	

Driver name	Composite Bus Enumerator Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\CompositeBus.sys
Driver	
Driver name	HP iLO Management Channel Interface Driver
Driver file version	1.15.0.0
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\cpqcidrv.sys
Driver	
Driver name	HP Network Configuration Utility
Driver file version	10.10.0.0
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\cpqteam.sys
Driver	
Driver name	Crcdisk Filter Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\crcdisk.sys
Driver	
Driver name	DFS Namespace Client Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\Drivers\dfsc.sys
Driver	
Driver name	System Attribute Cache
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\discache.sys
Driver	
Driver name	Disk Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\disk.sys
Driver	
Driver name	LDDM Graphics Subsystem
Driver file version	6.1.7601.18510
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\dxgkrnl.sys
Driver	
Driver name	Broadcom NetXtreme II 10 GigE VBD
Driver file version	4.8.13.0
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\levbda.sys
Driver	

Driver name	elxstor
Driver file version	7.2.10.211
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\elxstor.sys
Driver	
Driver name	Microsoft Hardware Error Device Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\lerrdev.sys
Driver	
Driver name	exFAT File System Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	File System Driver
Driver path	C:\Windows\system32\drivers\exfat.sys
Driver	
Driver name	FAT12/16/32 File System Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	File System Driver
Driver path	C:\Windows\system32\drivers\fastfat.sys
Driver	
Driver name	Floppy Disk Controller Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\fdc.sys
Driver	
Driver name	File Information FS MiniFilter
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	File System Driver
Driver path	C:\Windows\system32\drivers\fileinfo.sys
Driver	
Driver name	Filetrace
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	File System Driver
Driver path	C:\Windows\system32\drivers\filetrace.sys
Driver	
Driver name	Floppy Disk Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\flpydisk.sys
Driver	
Driver name	FltMgr
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\drivers\fltMgr.sys
Driver	

Driver name	File System Dependency Minifilter
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	File System Driver
Driver path	C:\Windows\system32\drivers\FsDepends.sys
Driver	
Driver name	Microsoft Generic AGPv3.0 Filter for K8 Processor Platforms
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\gagp30kx.sys
Driver	
Driver name	Microsoft UAA Bus Driver for High Definition Audio
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\HDAudBus.sys
Driver	
Driver name	HID UPS Battery Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\HidBatt.sys
Driver	
Driver name	Microsoft HID Class Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\hidusb.sys
Driver	
Driver name	hpqilo2
Driver file version	1.13.0.0
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\hpqilo2.sys
Driver	
Driver name	HpSAMD
Driver file version	6.12.6.64
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\HpSAMD.sys
Driver	
Driver name	HTTP
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\HTTP.sys
Driver	
Driver name	Hardware Policy Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\hwpolicy.sys
Driver	

Driver name	i8042 Keyboard and PS/2 Mouse Port Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\i8042prt.sys
Driver	
Driver name	Intel RAID Controller Windows 7
Driver file version	8.6.2.1014
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\iaStorV.sys
Driver	
Driver name	iirsp
Driver file version	5.4.22.0
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\iirsp.sys
Driver	
Driver name	intelide
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\intelide.sys
Driver	
Driver name	Intel Processor Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\intelppm.sys
Driver	
Driver name	Intel(R) QuickData Technology Device
Driver file version	1.2.78.3
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\Drivers\qd260x64.sys
Driver	
Driver name	IP Traffic Filter Driver
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\ipfltdrv.sys
Driver	
Driver name	IPMIDRV
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\IPMIDrv.sys
Driver	
Driver name	IP Network Address Translator
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\ipnat.sys
Driver	

Driver name	isapnp
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\isapnp.sys
Driver	
Driver name	iScsiPort Driver
Driver file version	6.1.7601.18386
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\msiscsi.sys
Driver	
Driver name	Keyboard Class Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\kbdclass.sys
Driver	
Driver name	Keyboard HID Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\kbdhid.sys
Driver	
Driver name	KSecDD
Driver file version	6.1.7601.18443
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\Drivers\ksecdd.sys
Driver	
Driver name	KSecPkg
Driver file version	6.1.7601.18443
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\Drivers\ksecpkg.sys
Driver	
Driver name	Kernel Streaming Thunks
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\ksthunk.sys
Driver	
Driver name	Link-Layer Topology Discovery Mapper I/O Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\lldio.sys
Driver	
Driver name	LSI_FC
Driver file version	1.28.3.52
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\lsi_fc.sys
Driver	

Driver name	LSI_SAS
Driver file version	1.28.3.52
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\lsi_sas.sys
Driver	
Driver name	LSI_SAS2
Driver file version	2.0.2.71
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\lsi_sas2.sys
Driver	
Driver name	LSI_SCSI
Driver file version	1.28.3.67
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\lsi_scsi.sys
Driver	
Driver name	UAC File Virtualization
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\drivers\luafv.sys
Driver	
Driver name	megasas
Driver file version	4.5.1.64
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\megasas.sys
Driver	
Driver name	MegaSR
Driver file version	13.5.409.2009
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\MegaSR.sys
Driver	
Driver name	Modem
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\modem.sys
Driver	
Driver name	Microsoft Monitor Class Function Driver Service
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\monitor.sys
Driver	
Driver name	Mouse Class Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\mouclass.sys
Driver	

Driver name	Mouse HID Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\mouhid.sys
Driver	
Driver name	Mount Point Manager
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\mountmgr.sys
Driver	
Driver name	Microsoft Multi-Path Bus Driver
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\mpio.sys
Driver	
Driver name	Windows Firewall Authorization Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\mpsdrv.sys
Driver	
Driver name	Message Queuing Access Control
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\mqac.sys
Driver	
Driver name	SMB MiniRedirector Wrapper and Engine
Driver file version	6.1.7601.17605
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\DRIVERS\mrxsmbs.sys
Driver	
Driver name	SMB 1.x MiniRedirector
Driver file version	6.1.7601.17647
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\DRIVERS\mrxsmbs10.sys
Driver	
Driver name	SMB 2.0 MiniRedirector
Driver file version	6.1.7601.17605
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\DRIVERS\mrxsmbs20.sys
Driver	
Driver name	msahci
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\msahci.sys
Driver	

Driver name	Microsoft Multi-Path Device Specific Module
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\msdsm.sys
Driver	
Driver name	Msfs
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\drivers\Msfs.sys
Driver	
Driver name	Pass-through HID to KMDF Filter Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\mshidkmdf.sys
Driver	
Driver name	msisadv
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\msisadv.sys
Driver	
Driver name	MsRPC
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\MsRPC.sys
Driver	
Driver name	Microsoft System Management BIOS Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\mssmbios.sys
Driver	
Driver name	Microsoft Input Configuration Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\MTConfig.sys
Driver	
Driver name	Mup
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\Drivers\mup.sys
Driver	
Driver name	NDIS System Driver
Driver file version	6.1.7601.17939
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\ndis.sys
Driver	

Driver name	NDIS Capture LightWeight Filter
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\ndiscap.sys
Driver	
Driver name	Remote Access NDIS TAPI Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\ndistapi.sys
Driver	
Driver name	NDIS Usermode I/O Protocol
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\ndisuio.sys
Driver	
Driver name	Remote Access NDIS WAN Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\ndiswan.sys
Driver	
Driver name	NDIS Proxy
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\NDProxy.sys
Driver	
Driver name	NetBIOS Interface
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\DRIVERS\netbios.sys
Driver	
Driver name	NetBT
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\netbt.sys
Driver	
Driver name	nfrd960
Driver file version	7.10.0.0
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\nfrd960.sys
Driver	
Driver name	Npfs
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\drivers\Npfs.sys
Driver	

Driver name	NSI proxy service driver.
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\nsiproxy.sys
Driver	
Driver name	Ntfs
Driver file version	6.1.7601.18378
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\drivers\Ntfs.sys
Driver	
Driver name	Null
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\Null.sys
Driver	
Driver name	nvraid
Driver file version	10.6.0.18
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\nvraid.sys
Driver	
Driver name	nvstor
Driver file version	10.6.0.18
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\nvstor.sys
Driver	
Driver name	NVIDIA nForce AGP Bus Filter
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\nv_agp.sys
Driver	
Driver name	1394 OHCI Compliant Host Controller (Legacy)
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\ohci1394.sys
Driver	
Driver name	Parallel port driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\parport.sys
Driver	
Driver name	Partition Manager
Driver file version	6.1.7601.17796
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\partmgr.sys
Driver	

Driver name	PCI Bus Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\pci.sys
Driver	
Driver name	pciide
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\pciide.sys
Driver	
Driver name	pcmcia
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\pcmcia.sys
Driver	
Driver name	Performance Counters for Windows Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\pcw.sys
Driver	
Driver name	PEAUTH
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\peauth.sys
Driver	
Driver name	WAN Miniport (PPTP)
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\raspptp.sys
Driver	
Driver name	Processor Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\processr.sys
Driver	
Driver name	QoS Packet Scheduler
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\pacer.sys
Driver	
Driver name	HP NC324i PCIe Dual Port Gigabit Server Adapter
Driver file version	14.2.0.5
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\b57nd60a.sys
Driver	

Driver name	ql2300
Driver file version	9.1.8.6
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\ql2300.sys
Driver	
Driver name	ql40xx
Driver file version	2.1.3.20
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\ql40xx.sys
Driver	
Driver name	Remote Access Auto Connection Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\rasacd.sys
Driver	
Driver name	WAN Miniport (IKEv2)
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\AgileVpn.sys
Driver	
Driver name	WAN Miniport (L2TP)
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\rasl2tp.sys
Driver	
Driver name	Remote Access PPPOE Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\rasppoe.sys
Driver	
Driver name	WAN Miniport (SSTP)
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\rasstp.sys
Driver	
Driver name	Redirected Buffering Sub System
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\DRIVERS\rdbss.sys
Driver	
Driver name	Remote Desktop Device Redirector Bus Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\rdpbus.sys
Driver	

Driver name	RDPCCDD
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\RDPCCDD.sys
Driver	
Driver name	Terminal Server Device Redirector Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\rdpdr.sys
Driver	
Driver name	RDP Encoder Mirror Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\rdpencdd.sys
Driver	
Driver name	Reflector Display Driver used to gain access to graphics data
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\rdprefmp.sys
Driver	
Driver name	RDP Winstation Driver
Driver file version	6.1.7601.17830
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\RDPWD.sys
Driver	
Driver name	RsFx0150 Driver
Driver file version	2009.100.1600.1
Driver state	Stopped
Driver type	File System Driver
Driver path	C:\Windows\system32\DRIVERS\RsFx0150.sys
Driver	
Driver name	Link-Layer Topology Discovery Responder
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\rspndr.sys
Driver	
Driver name	s3cap
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\vm3cap.sys
Driver	
Driver name	sacdrv
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\sacdrv.sys
Driver	

Driver name	SBP-2 Transport/Protocol Bus Driver
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\sbp2port.sys
Driver	
Driver name	Smart card PnP Class Filter Driver
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\scfilter.sys
Driver	
Driver name	Security Driver
Driver file version	4.3.86.0
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\secdrv.sys
Driver	
Driver name	Serenum Filter Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\serenum.sys
Driver	
Driver name	Serial port driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\serial.sys
Driver	
Driver name	Serial Mouse Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\sermouse.sys
Driver	
Driver name	SFF Storage Class Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\sffdisk.sys
Driver	
Driver name	SFF Storage Protocol Driver for MMC
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\sffp_mmc.sys
Driver	
Driver name	SFF Storage Protocol Driver for SDBus
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\sffp_sd.sys
Driver	

Driver name	High-Capacity Floppy Disk Drive
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\sfloppy.sys
Driver	
Driver name	SiSRaid2
Driver file version	5.1.1039.2600
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\SiSRaid2.sys
Driver	
Driver name	SiSRaid4
Driver file version	5.1.1039.3600
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\sisraid4.sys
Driver	
Driver name	Message-oriented TCP/IP and TCP/IPv6 Protocol (SMB session)
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\smb.sys
Driver	
Driver name	Security Processor Loader Driver
Driver file version	6.1.7127.0
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\spldr.sys
Driver	
Driver name	Server SMB 1.xxx Driver
Driver file version	6.1.7601.17608
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\DRIVERS\srv.sys
Driver	
Driver name	Server SMB 2.xxx Driver
Driver file version	6.1.7601.17608
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\DRIVERS\srv2.sys
Driver	
Driver name	srvnet
Driver file version	6.1.7601.17608
Driver state	Running
Driver type	File System Driver
Driver path	C:\Windows\system32\DRIVERS\srvnet.sys
Driver	
Driver name	stexstor
Driver file version	5.0.1.1
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\stexstor.sys
Driver	

Driver name	Disk Virtual Machine Bus Acceleration Filter Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\vmstorfl.sys
Driver	
Driver name	storvsc
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\storvsc.sys
Driver	
Driver name	storvsp
Driver file version	6.1.7601.17734
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\storvsp.sys
Driver	
Driver name	Software Bus Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\swenum.sys
Driver	
Driver name	TCP/IP Protocol Driver
Driver file version	6.1.7601.18438
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\tcpip.sys
Driver	
Driver name	Microsoft IPv6 Protocol Driver
Driver file version	6.1.7601.18438
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\tcpip.sys
Driver	
Driver name	TCP/IP Registry Compatibility
Driver file version	6.1.7601.17964
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\tcpipreg.sys
Driver	
Driver name	TDPIPE
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\tdpipe.sys
Driver	
Driver name	TDTCP
Driver file version	6.1.7601.17779
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\tdtcp.sys
Driver	

Driver name	NetIO Legacy TDI Support Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\tdx.sys
Driver	
Driver name	Terminal Device Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\termdd.sys
Driver	
Driver name	Remote Desktop Services Security Filter Driver
Driver file version	6.1.7601.18186
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\tssecsrv.sys
Driver	
Driver name	TsUsbFlt
Driver file version	6.3.9600.16415
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\tsusbflt.sys
Driver	
Driver name	Microsoft Tunnel Miniport Adapter Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\tunnel.sys
Driver	
Driver name	Microsoft AGPv3.5 Filter
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\luagp35.sys
Driver	
Driver name	udfs
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	File System Driver
Driver path	C:\Windows\system32\DRIVERS\udfs.sys
Driver	
Driver name	Uli AGP Bus Filter
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\uliagpkx.sys
Driver	
Driver name	UMBus Enumerator Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\lumbus.sys
Driver	

Driver name	Microsoft UMPass Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\umpass.sys
Driver	
Driver name	Microsoft USB Generic Parent Driver
Driver file version	6.1.7601.18328
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\usbccgp.sys
Driver	
Driver name	Microsoft USB 2.0 Enhanced Host Controller Miniport Driver
Driver file version	6.1.7601.18328
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\usbehci.sys
Driver	
Driver name	Microsoft USB Standard Hub Driver
Driver file version	6.1.7601.18328
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\usbhub.sys
Driver	
Driver name	Microsoft USB Open Host Controller Miniport Driver
Driver file version	6.1.7601.18328
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\usbohci.sys
Driver	
Driver name	Microsoft USB PRINTER Class
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\usbprint.sys
Driver	
Driver name	USB Mass Storage Driver
Driver file version	6.1.7601.17577
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\USBSTOR.SYS
Driver	
Driver name	Microsoft USB Universal Host Controller Miniport Driver
Driver file version	6.1.7601.18328
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\usbuhci.sys
Driver	
Driver name	Microsoft Virtual Drive Enumerator Driver
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\vdrvroot.sys
Driver	

Driver name	vga
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\vgapnp.sys
Driver	
Driver name	VgaSave
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\vga.sys
Driver	
Driver name	vhdmp
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\vhdmp.sys
Driver	
Driver name	viaide
Driver file version	6.0.6000.170
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\viaide.sys
Driver	
Driver name	Vid
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\Vid.sys
Driver	
Driver name	Virtual Machine Bus
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\vmbus.sys
Driver	
Driver name	VMBusHID
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\VMBusHID.sys
Driver	
Driver name	Volume Manager Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\volmgr.sys
Driver	
Driver name	Dynamic Volume Manager
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\volmgrx.sys
Driver	

Driver name	Storage volumes
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\volsnap.sys
Driver	
Driver name	vsmraid
Driver file version	6.0.6000.6210
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\vsmraid.sys
Driver	
Driver name	Wacom Serial Pen HID Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\wacompen.sys
Driver	
Driver name	Remote Access IP ARP Driver
Driver file version	6.1.7601.17514
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\wanarp.sys
Driver	
Driver name	Remote Access IPv6 ARP Driver
Driver file version	6.1.7601.17514
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\wanarp.sys
Driver	
Driver name	Wd
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\wd.sys
Driver	
Driver name	Kernel Mode Driver Frameworks service
Driver file version	1.11.9200.16648
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\Wdf01000.sys
Driver	
Driver name	WFP Lightweight Filter
Driver file version	6.1.7600.16385
Driver state	Running
Driver type	Kernel Driver
Driver path	C:\Windows\system32\DRIVERS\wfplwf.sys
Driver	
Driver name	WIMMount
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	File System Driver
Driver path	C:\Windows\system32\drivers\wimmount.sys
Driver	

Driver name	Microsoft Windows Management Interface for ACPI
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\wmiaacpi.sys
Driver	
Driver name	Winsock IFS Driver
Driver file version	6.1.7600.16385
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\ws2ifsl.sys
Driver	
Driver name	User Mode Driver Frameworks Platform Driver
Driver file version	6.2.9200.16384
Driver state	Stopped
Driver type	Kernel Driver
Driver path	C:\Windows\system32\drivers\WudfPf.sys
Logical drives	
C:	NTFS: 500105248768 bytes
D:	size N/A
Windows updates	
KB981391	Update
KB981392	Update
KB977236	Update
KB981111	Update
KB977238	Update
KB2849697	Update
KB2849696	Update
KB2841134	Update
KB977239	Update
KB2670838	Update
KB2830477	Update
KB2592687	Update
KB981390	Update
KB2305420	Security Update
KB2386667	Update
KB2393802	Security Update
KB2425227	Security Update
KB2484033	Update
KB2488113	Update
KB2505438	Update
KB2506014	Update
KB2506212	Security Update
KB2506928	Update
KB2509553	Security Update
KB2511250	Update
KB2511455	Security Update
KB2515325	Update
KB2522422	Update
KB2529073	Update
KB2533552	Update
KB2536275	Security Update
KB2536276	Security Update
KB2541014	Update

KB2544893	Security Update
KB2545698	Update
KB2547666	Update
KB2552343	Update
KB2560656	Security Update
KB2563227	Update
KB2564958	Security Update
KB2570947	Security Update
KB2574819	Update
KB2584146	Security Update
KB2585542	Security Update
KB2603229	Update
KB2604115	Security Update
KB2607047	Update
KB2608658	Update
KB2618451	Security Update
KB2620704	Security Update
KB2621440	Security Update
KB2631813	Security Update
KB2636573	Update
KB2640148	Update
KB2643719	Security Update
KB2644615	Security Update
KB2645640	Security Update
KB2647753	Update
KB2653956	Security Update
KB2654428	Security Update
KB2655992	Security Update
KB2656356	Security Update
KB2658846	Security Update
KB2659262	Security Update
KB2660075	Update
KB2661254	Update
KB2667402	Security Update
KB2676562	Security Update
KB2685811	Update
KB2685813	Update
KB2685939	Security Update
KB2690533	Security Update
KB2691442	Security Update
KB2698365	Security Update
KB2699779	Update
KB2705219	Security Update
KB2706045	Security Update
KB2709630	Update
KB2709981	Update
KB2712808	Security Update
KB2718704	Update
KB2719033	Security Update
KB2719857	Update
KB2726535	Update
KB2729094	Update
KB2729452	Security Update
KB2732059	Update

KB2736422	Security Update
KB2741355	Update
KB2742599	Security Update
KB2743555	Security Update
KB2749655	Update
KB2750841	Update
KB2753842	Security Update
KB2757638	Security Update
KB2758857	Security Update
KB2761217	Update
KB2763523	Update
KB2765809	Security Update
KB2769369	Security Update
KB2770660	Security Update
KB2779562	Update
KB2785220	Security Update
KB2786081	Update
KB2786400	Update
KB2789645	Security Update
KB2790113	Security Update
KB2790655	Security Update
KB2791765	Update
KB2798162	Update
KB2800095	Update
KB2807986	Security Update
KB2808679	Update
KB2808735	Security Update
KB2813170	Security Update
KB2813347	Security Update
KB2813430	Security Update
KB2820331	Update
KB2832414	Security Update
KB2834140	Update
KB2836942	Update
KB2836943	Update
KB2839894	Security Update
KB2840149	Security Update
KB2840631	Security Update
KB2843630	Update
KB2847311	Security Update
KB2852386	Update
KB2853952	Update
KB2855844	Security Update
KB2857650	Update
KB2861191	Security Update
KB2861698	Security Update
KB2861855	Security Update
KB2862152	Security Update
KB2862330	Security Update
KB2862335	Security Update
KB2862966	Security Update
KB2862973	Security Update
KB2864058	Security Update
KB2864202	Security Update

KB2868038	Security Update
KB2868116	Update
KB2868626	Security Update
KB2871997	Security Update
KB2872339	Security Update
KB2876331	Security Update
KB2882822	Update
KB2884256	Security Update
KB2887069	Security Update
KB2888049	Update
KB2891804	Update
KB2892074	Security Update
KB2893294	Security Update
KB2893519	Update
KB2894844	Security Update
KB2900986	Security Update
KB2908783	Update
KB2911501	Security Update
KB2912390	Security Update
KB2913152	Update
KB2918614	Security Update
KB2919469	Update
KB2922229	Security Update
KB2923545	Update
KB2926765	Security Update
KB2928562	Update
KB2929437	Security Update
KB2929733	Update
KB2929755	Update
KB2931356	Security Update
KB2937610	Security Update
KB2939576	Security Update
KB2943357	Security Update
KB2957189	Security Update
KB2957503	Security Update
KB2957509	Security Update
KB2961072	Security Update
KB2966583	Update
KB2972211	Security Update
KB2973112	Security Update
KB2973201	Security Update
KB2973337	Update
KB2973351	Security Update
KB2976627	Security Update
KB2976897	Security Update
KB2977629	Security Update
KB2977728	Hotfix
KB2978092	Update
KB2978668	Security Update
KB2980245	Update
KB2981580	Update
KB2982378	Security Update
KB2985461	Update
KB2993651	Update

KB2998527	Update
KB958488	Update
KB976902	Update
KB976932	Service Pack
KB982018	Update
MS-DOS Devices	
D:	\Device\CdRom0
PhysicalDrive0	\Device\Harddisk0\DR0
CpqCiCO2	\Device\CpqCiCO2
DISPLAY5	\Device\Video4
CpqCiCO60	\Device\CpqCiCO60
CpqCiCO32	\Device\CpqCiCO32
VDRVROOT	\Device\0000003f
CpqCiAO0	\Device\CpqCiAO0
CpqCiCO61	\Device\CpqCiCO61
CpqCiCO33	\Device\CpqCiCO33
DISPLAY1	\Device\Video0
CpqCiCO62	\Device\CpqCiCO62
CpqCiCO34	\Device\CpqCiCO34
CpqCiCO63	\Device\CpqCiCO63
CpqCiCO35	\Device\CpqCiCO35
Psched	\Device\Psched
AscKmd	\Device\AscKmd
CpqCiCO36	\Device\CpqCiCO36
CdRom0	\Device\CdRom0
CpqCiCO37	\Device\CpqCiCO37
CpqCiCO38	\Device\CpqCiCO38
HCD5	\Device\USBFD0-5
CpqCiCO39	\Device\CpqCiCO39
AgileVPN	\Device\AgileVPN
WMIDataDevice	\Device\WMIDataDevice
Scsi0:	\Device\Ide\IdePort0
PEAuth	\Device\PEAuth
IPSECDOSPDevice	\Device\IPSECDOSP
CpqCiCO7	\Device\CpqCiCO7
HCD1	\Device\USBFD0-1
COM1	\Device\Serial0
CpqCiCO10	\Device\CpqCiCO10
CpqCiCO3	\Device\CpqCiCO3
NDISWANIP	\Device\NDMP9
CpqCiCO11	\Device\CpqCiCO11
UNC	\Device\Mup
DISPLAY2	\Device\Video1
SPDevice	\Device\SPDevice
ASYNCMAC	\Device\ASYNCMAC
CpqCiCO40	\Device\CpqCiCO40
CpqCiCO12	\Device\CpqCiCO12
Tcp	\Device\Tcp
Harddisk0Partition1	\Device\HarddiskVolume1
Scsi1:	\Device\Ide\IdePort1
CpqCiCO41	\Device\CpqCiCO41
CpqCiCO13	\Device\CpqCiCO13
CpqCiCO42	\Device\CpqCiCO42
CpqCiCO14	\Device\CpqCiCO14

PRN	\\DosDevices\LPT1
WanArp	\\Device\WANARP
RdpDrDvMgr	\\Device\RdpDrDvMgr
CpqCiCO43	\\Device\CpqCiCO43
CpqCiCO15	\\Device\CpqCiCO15
Scsi2:	\\Device\RaidPort0
CpqCiCO44	\\Device\CpqCiCO44
CpqCiCO16	\\Device\CpqCiCO16
MountPointManager	\\Device\MountPointManager
CpqCiCO45	\\Device\CpqCiCO45
CpqCiCO17	\\Device\CpqCiCO17
CpqCiCO46	\\Device\CpqCiCO46
CpqCiCO18	\\Device\CpqCiCO18
CpqCiCO8	\\Device\CpqCiCO8
HCD2	\\Device\USBFD0-2
WMIAdminDevice	\\Device\WMIAdminDevice
Global	\\GLOBAL??
CpqCiCO47	\\Device\CpqCiCO47
CpqCiCO19	\\Device\CpqCiCO19
CpqCiCO4	\\Device\CpqCiCO4
LOG:	\\cifs
CpqCiCO0	\\Device\CpqCiCO0
CpqCiCO48	\\Device\CpqCiCO48
DISPLAY3	\\Device\Video2
FltMgrMsg	\\FileSystem\Filters\FltMgrMsg
CpqCiCO49	\\Device\CpqCiCO49
FltMgr	\\FileSystem\Filters\FltMgr
MAILSLOT	\\Device\MailSlot
NDISWANBH	\\Device\NDMP8
CpqCiCO20	\\Device\CpqCiCO20
HarddiskVolume1	\\Device\HarddiskVolume1
FtControl	\\Device\VolMgrControl
CpqCiCO21	\\Device\CpqCiCO21
WanArpV6	\\Device\WANARPV6
VolMgrControl	\\Device\VolMgrControl
Nsi	\\Device\Nsi
CpqCiCO50	\\Device\CpqCiCO50
CpqCiCO22	\\Device\CpqCiCO22
fsWrap	\\Device\FsWrap
CpqCiCO51	\\Device\CpqCiCO51
CpqCiCO23	\\Device\CpqCiCO23
Secdrv	\\Device\Secdrv
CpqCiCO52	\\Device\CpqCiCO52
CpqCiCO24	\\Device\CpqCiCO24
CpqCiCO9	\\Device\CpqCiCO9
HCD3	\\Device\USBFD0-3
NXTIPSECDevice	\\Device\NXTIPSEC
CpqCiCO53	\\Device\CpqCiCO53
CpqCiCO25	\\Device\CpqCiCO25
CpqCiCO5	\\Device\CpqCiCO5
CpqHlth	\\Device\CpqHlth
CpqCiCO1	\\Device\CpqCiCO1
CpqCiCO54	\\Device\CpqCiCO54
CpqCiCO26	\\Device\CpqCiCO26

DISPLAY4	\Device\Video3
SstpDrv	\Device\SstpDrv
WFPDev	\Device\WFP
CpqCiCO55	\Device\CpqCiCO55
CpqCiCO27	\Device\CpqCiCO27
NDIS	\Device\Ndis
MpsDevice	\Device\MPS
WfpAle	\Device\WfpAle
CpqCiCO56	\Device\CpqCiCO56
CpqCiCO28	\Device\CpqCiCO28
MQAC	\Device\MQAC
CpqCiCO57	\Device\CpqCiCO57
CpqCiCO29	\Device\CpqCiCO29
PartmgrControl	\Device\PartmgrControl
PIPE	\Device\NamedPipe
CpqCiCO58	\Device\CpqCiCO58
C:	\Device\HarddiskVolume1
NDISWANIPV6	\Device\NDMP10
CpqCiCO59	\Device\CpqCiCO59
AUX	\DosDevices\COM1
NUL	\Device\Null
CpqCiCO30	\Device\CpqCiCO30
HCD4	\Device\USBPDO-4
HCD0	\Device\USBPDO-0
NdisWan	\Device\NdisWan
CpqCiCO31	\Device\CpqCiCO31
CpqCiCO6	\Device\CpqCiCO6
	\Device\CpqCiCO6
Resources	
Operating System Hardware Resource Summary	
HP NC324i PCIe Dual Port Gigabit Server Adapter	
System Device	No
Phantom Device	No
MEM	fdff0000h-fdffffffh
MEM	fdfe0000h-fdfeffffh
IRQ	16
Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27C8	
System Device	No
Phantom Device	No
I/O	3000h-301fh
IRQ	21
Intel(R) 82801GR/GH/GHM (ICH7 Family) PCI Express Root Port - 27E2	
System Device	No
Phantom Device	No
IRQ	4294967292
PCI bus	
System Device	No
Phantom Device	No
MEM	a0000h-bffffh
MEM	d8000000h-febffffh
I/O	0000h-0cf7h
I/O	0d00h-ffffh
HP ProLiant iLO 2 Legacy Support Function	
System Device	No

Phantom Device	No
MEM	fdee0000h-fdee01ffh
I/O	2800h-28ffh
IRQ	10
Extended IO Bus	
System Device	No
Phantom Device	No
I/O	002eh-002fh
I/O	004eh-004fh
I/O	0620h-065fh
I/O	0680h-069fh
I/O	0600h-061fh
I/O	0660h-067fh
I/O	0300h-030fh
HP NC324i PCIe Dual Port Gigabit Server Adapter #2	
System Device	No
Phantom Device	No
MEM	fdfd0000h-fdfdffffh
MEM	fdfc0000h-fdffcffffh
IRQ	17
Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27C9	
System Device	No
Phantom Device	No
I/O	3020h-303fh
IRQ	21
Motherboard resources	
System Device	No
Phantom Device	No
MEM	e0000000h-efffffffh
I/O	0070h-0077h
I/O	0408h-040fh
I/O	04d0h-04d1h
I/O	0020h-003fh
I/O	00a0h-00bfh
I/O	0090h-009fh
I/O	0050h-0053h
I/O	00f0h-00f0h
I/O	0700h-071fh
I/O	0800h-083fh
I/O	0900h-097fh
I/O	0010h-001fh
I/O	0c80h-0c83h
I/O	0ca2h-0ca5h
I/O	0cd4h-0cd7h
I/O	0f50h-0f58h
I/O	00f0h-00f0h
I/O	0ca0h-0ca1h
I/O	0ca4h-0ca5h
I/O	02f8h-02ffh
ATA Channel 0	
System Device	No
Phantom Device	No
I/O	01f0h-01f7h
I/O	03f6h-03f6h

IRQ	14
PS/2 Compatible Mouse	
System Device	No
Phantom Device	No
IRQ	12
ATA Channel 1	
System Device	No
Phantom Device	No
I/O	0170h-0177h
I/O	0376h-0376h
IRQ	15
HP iLO Management Channel Interface Driver	
System Device	No
Phantom Device	No
MEM	fded0000h-fded07ffh
MEM	fdec0000h-fdec1fffh
MEM	fde00000h-fde7ffffh
I/O	1400h-14ffh
IRQ	23
Intel(R) 82801 PCI Bridge - 244E	
System Device	No
Phantom Device	No
MEM	fdd00000h-fdefffffh
MEM	d8000000h-dfffffffh
I/O	1000h-2fffh
Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CA	
System Device	No
Phantom Device	No
I/O	3040h-305fh
IRQ	21
Microsoft ACPI-Compliant System	
System Device	No
Phantom Device	No
IRQ	81
IRQ	82
IRQ	83
IRQ	84
IRQ	85
IRQ	86
IRQ	87
IRQ	88
IRQ	89
IRQ	90
IRQ	91
IRQ	92
IRQ	93
IRQ	94
IRQ	95
IRQ	96
IRQ	97
IRQ	98
IRQ	99
IRQ	100
IRQ	101

IRQ	102
IRQ	103
IRQ	104
IRQ	105
IRQ	106
IRQ	107
IRQ	108
IRQ	109
IRQ	110
IRQ	111
IRQ	112
IRQ	113
IRQ	114
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IRQ	126
IRQ	127
IRQ	128
IRQ	129
IRQ	130
IRQ	131
IRQ	132
IRQ	133
IRQ	134
IRQ	135
IRQ	136
IRQ	137
IRQ	138
IRQ	139
IRQ	140
IRQ	141
IRQ	142
IRQ	143
IRQ	144
IRQ	145
IRQ	146
IRQ	147
IRQ	148
IRQ	149
IRQ	150
IRQ	151
IRQ	152
IRQ	153
IRQ	154
IRQ	155

IRQ	156
IRQ	157
IRQ	158
IRQ	159
IRQ	160
IRQ	161
IRQ	162
IRQ	163
IRQ	164
IRQ	165
IRQ	166
IRQ	167
IRQ	168
IRQ	169
IRQ	170
IRQ	171
IRQ	172
IRQ	173
IRQ	174
IRQ	175
IRQ	176
IRQ	177
IRQ	178
IRQ	179
IRQ	180
IRQ	181
IRQ	182
IRQ	183
IRQ	184
IRQ	185
IRQ	186
IRQ	187
IRQ	188
IRQ	189
IRQ	190
ATI ES1000	
System Device	No
Phantom Device	No
MEM	d800000h-dffffffh
MEM	fdef000h-fdeffffh
MEM	a0000h-bffffh
I/O	1000h-10ffh
I/O	03b0h-03bbh
I/O	03c0h-03dfh
IRQ	21
Intel(R) 82801G (ICH7 Family) USB Universal Host Controller - 27CB	
System Device	No
Phantom Device	No
I/O	3060h-307fh
IRQ	21
Standard Universal PCI to USB Host Controller	
System Device	No
Phantom Device	No
I/O	1800h-181fh

IRQ	23
Intel(R) 82801G (ICH7 Family) USB2 Enhanced Host Controller - 27CC	
System Device	No
Phantom Device	No
MEM	fdcf0000h-fdcf03ffh
IRQ	21
HP ProLiant iLO 2 Management Controller Driver	
System Device	No
Phantom Device	No
MEM	fddf0000h-fddf00ffh
IRQ	22
Intel(R) E7230/3000/3010 PCI Express Root Port - 2779	
System Device	No
Phantom Device	No
IRQ	16
Intel(R) 82801G (ICH7 Family) PCI Express Root Port - 27D0	
System Device	No
Phantom Device	No
MEM	fdf00000h-fdfffffh
IRQ	4294967294
Microsoft Generic IPMI Compliant Device	
System Device	No
Phantom Device	No
I/O	0ca2h-0ca3h
PCI standard PCI-to-PCI bridge	
System Device	No
Phantom Device	No
MEM	fdf00000h-fdfffffh
System timer	
System Device	No
Phantom Device	No
I/O	0040h-0043h
IRQ	0
Intel(R) 82801G (ICH7 Family) Ultra ATA Storage Controllers - 27DF	
System Device	No
Phantom Device	No
I/O	0500h-050fh
High precision event timer	
System Device	No
Phantom Device	No
MEM	fed00000h-fed003ffh
Direct memory access controller	
System Device	No
Phantom Device	No
I/O	0000h-000fh
I/O	0080h-008fh
I/O	00c0h-00dfh
DMA	7
Standard PS/2 Keyboard	
System Device	No
Phantom Device	No
I/O	0060h-0060h
I/O	0064h-0064h
IRQ	1

Adaptec Serial ATA HostRAID	
System Device	No
Phantom Device	No
MEM	fdce0000h-fdce03ffh
I/O	3080h-3087h
I/O	3088h-308bh
I/O	3090h-3097h
I/O	3098h-309bh
I/O	30a0h-30bfh
IRQ	4294967291
Intel(R) 82801GR/GH/GHM (ICH7 Family) PCI Express Root Port - 27E0	
System Device	No
Phantom Device	No
IRQ	4294967293
Communications Port (COM1)	
System Device	No
Phantom Device	No
I/O	03f8h-03ffh
IRQ	4
System speaker	
System Device	No
Phantom Device	No
I/O	0061h-0061h
Storage	
Logical Disks	
C:	Logical Disk 1 ~ 500.11GB
Volume Name	
File System	NTFS
Size (Byte)	500105248768
Free Space (Byte)	412718710784
SATA Storage Controller	
Intel ICH7 SATA RAID Controller	
Controller Type	SATA
Model Number	Intel ICH7 SATA RAID Controller
PCI Slot Number	(Not Available)
PCI	
Bus	0x00
Device	0x1F
Function	0x02
Vendor ID	0x8086
Device ID	0x27C3
Subsystem Vendor ID	0x103C
Subsystem Device ID	0x3206
Class Code	0x01
Subclass	0x04
Revision ID	0x01
Programming Interface	0x00
Optical Drive 1	
DVD, TEAC DV-28E-V	
Device Path	\\?\ide#cdromteac_dv-28e-v_____c.ab_#5&8b25f97&0&0.0.0#{53f56308-b6bf-11d0-94f2-00a0c91efb8b}
Drive Type	DVD
Capacity	(Not Available)
Firmware Revision	C.AB
Model Number	TEAC DV-28E-V

Drive Capability	READ_ONLY
System	
System Information - Type 1	
Manufacturer	HP
Product Name	ProLiant DL320 G5
Version	Not available
Serial Number	MX274501DE
Universal Unique ID - UUID	4148363436414D583237343530314445
Wake-up Type	Power Switch
Processor Package 1 (Socket 1, Core = 2)	
Speed	2.13 Ghz
Family ID	6
Model ID	f
Version	Not available
Manufacturer	Intel
Socket Description	Proc 1
External Clock	1066 MHz
Number of Cores	2
Stepping ID	0002
x86 32-bit	Yes
x86 64-bit	Yes
L1 Cache	64KB
L2 Cache	2MB
L3 Cache	0.0KB
Installed	Yes
System Enclosure or Chassis - Type 3	
Manufacturer	HP
Enclosure Type	Rack Mount Chassis
Version	Not available
Serial Number	MX274501DE
Asset Tag Number	Not available
BIOS Information - Type 0	
Size	4096K Bytes
BIOS Characteristics	0x7DC1DA80h
BIOS Characteristics Extension Byte 1	0003h
BIOS Characteristics Extension Byte 2	0001h
Characteristics	
ISA support	No
MCA support	No
EISA support	No
PCI support	Yes
PC Card (PCMCIA) support	No
PNP support	Yes
APM support	No
BIOS Upgradeable	Yes
BIOS shadowing	Allowed
VL-VESA support	No
ESCD support	Yes
Boot from CD support	Yes
Selectable boot support	Yes
BIOS ROM socketed	No

Boot from PC Card (PCMCIA) support	No
EDD support	No
Japanese floppy for NEC 9800 1.2 MB support (int 13h)	No
Japanese floppy for Toshiba 1.2 MB support (int 13h)	No
5.25"/ 360 KB floppy services support (int 13h)	Yes
5.25"/1.2 MB floppy services support (int 13h)	Yes
3.5"/720 KB floppy services support (int 13h)	Yes
3.5"/2.88 MB floppy services support (int 13h)	No
Print screen service support (int 5h)	Yes
8042 keyboard services support	Yes
Serial services support	Yes
Printer services support	Yes
CGA/mono video services support	Yes
NEC PC-98	No
ACPI support	Yes
USB legacy support	Yes
AGP support	No
I2O boot support	No
LS-120 boot support	No
ATAPI Zip drive boot support	No
IEEE 1394 boot support	No
Smart battery support	No
BIOS boot specification support	Yes
Function key-initiated network boot support	No
Targeted content distribution support	No
Vendor	HP
BIOS Version	W04
BIOS Release Date	06/10/2008
Internal speaker	Device
Port address	61h
PCI Bus 0	Device
PCI Bus 1	Device
PCI Bus 2	Device
PCI Bus 3	Device