

IBM Director 5.10 Hardware and Software Compatibility

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Overview

This document provides the following information:

- Supported IBM® hardware for IBM Director 5.10
- Supported operating systems for IBM Director 5.10
- Supported workgroup and enterprise systems-management software for IBM Director 5.10
- Limitations and performance considerations for IBM Director 5.10

Supported hardware

IBM Director Agent is licensed for use and supported on the following IBM systems and products:

- IBM eServer™ xSeries® and Netfinity® servers
- IBM eServer BladeCenter® and BladeCenter T chassis
- IBM eServer blade servers
- IBM IntelliStation® workstations
- IBM TotalStorage® Network Attached Storage (NAS) products
- IBM SurePOS™ point-of-sale systems
- ThinkCentre, NetVista, and PC desktop computers
- ThinkPad mobile computers

IBM Director Agent is supported on non-IBM Intel® or AMD based systems with SMBIOS 2.1 or later that meet the Intel Wired for Management (WfM) 2.0 specification.

Notes:

1. Some models might not be available in your area.
2. The IBM TotalStorage NAS products come with IBM Director Agent installed.

Some systems and products are supported only in *compatibility mode*. Compatibility mode means that IBM Director provides only basic systems-management capabilities, such as system discovery, inventory collection, and the display of basic system information. Hardware-specific features are not supported, although they might be included in a later release of IBM Director. Hardware-specific features can include the following IBM Director tasks:

- Alert Standard Format (ASF)
- Asset ID™
- Hardware Status
- Rack Manager
- ServeRAID™ Manager

Hardware-specific features also include Predictive Failure Analysis® (PFA) alerts for memory and processors, as well as environmental sensor monitoring, such as temperature, fan, voltage, power-supply status, and chassis-intrusion detection.

IBM eServer products

- IBM eServer BladeCenter HS20, HS40, LS20, JS20, JS21
- IBM eServer 325, 326, 326m

IBM xSeries servers

- xSeries 100 (compatibility-mode support only)
- xSeries 200
- xSeries 200VL
- xSeries 205 (no ASF support or fan monitoring)
- xSeries 206, 206m (no ASF support on AMD64 or EM64T operating systems)
- xSeries 220
- xSeries 225 (no ASF support or fan monitoring)
- xSeries 226
- xSeries 230
- xSeries 232 (no Alert on LAN™ support)
- xSeries 235
- xSeries 236
- xSeries 240
- xSeries 250
- xSeries 255
- xSeries 260
- xSeries 300
- xSeries 305 (no ASF support)
- xSeries 306, 306m (no ASF support on AMD64 or EM64T operating systems)
- xSeries 330
- xSeries 335
- xSeries 336
- xSeries 340
- xSeries 342 (no Alert on LAN support)
- xSeries 343 (compatibility-mode support only)
- xSeries 345
- xSeries 346
- xSeries 350
- xSeries 360
- xSeries 365
- xSeries 366
- xSeries 370
- xSeries 440
- xSeries 445
- xSeries 450
- xSeries 455
- xSeries 460

IBM Nefinity servers

- Netfinity 1000
- Netfinity 3000
- Netfinity 3500
- Netfinity 3500 M10
- Netfinity 3500 M20
- Netfinity 4000R
- Netfinity 4500
- Netfinity 4500R

- Netfinity 5000
- Netfinity 5100
- Netfinity 5500
- Netfinity 5500 M10
- Netfinity 5500 M20
- Netfinity 5600
- Netfinity 6000
- Netfinity 6000R
- Netfinity 7000 (compatibility-mode support only)
- Netfinity 7000 M10
- Netfinity 7100
- Netfinity 7600
- Netfinity 8500R

IBM IntelliStation workstations

- A-Pro – 6224, 6217
- E-Pro – 6204, 6214, 6216, 6226, 6836, 6846, 6867, 6893
- M-Pro – 6218, 6219, 6220, 6225, 6229, 6230, 6231, 6233, 6849, 6850, 6868, 6878, 6889, 6898, 9237
- R-Pro – 6851
- Z-Pro – 6221, 6222, 6223, 6227, 6865, 6866

ThinkCentre, NetVista, and PC desktop computers

- ThinkCentre A30 – 2296, 8191, 8198, 8199, 8316, 8434
- ThinkCentre A50 – 8320, 8419
- ThinkCentre A50p – 8192, 8193, 8194, 8195, 8196, 8197, 8432, 8433
- ThinkCentre A51 – 8424, 8425, 8428
- ThinkCentre A51p – 8420, 8421, 8422, 8423, 8426, 8427
- ThinkCentre M50 – 8185, 8186, 8187, 8188, 8189, 8190, 8413, 8414, 8415
- ThinkCentre M51 – 8141, 8142, 8143, 8144, 8145, 8146
- ThinkCentre M52 – 8099, 8153
- ThinkCentre S50 – 8183, 8184, 8416, 8417, 8418, 8429
- ThinkCentre S51 – 8171, 8172, 8173
- NetVista A20 – 6266, 6269, 6270, 6279, 6286
- NetVista A21 and A22 – 6339, 6341, 6342, 6346, 6347, 6348
- NetVista A22p – 6343, 6349, 6350, 6825
- NetVista A30 – 8313, 8314, 8315
- NetVista A30 – 6826
- NetVista A30p – 8309, 8310, 8311, 8312
- NetVista A40 – 6058, 6568, 6578, 6648, 6830, 6831, 6840, 6841, 6842, 6881
- NetVista A40p – 6579, 6837, 6847
- NetVista A60 – 6838, 6833
- NetVista S40 – 6644, 6645
- NetVista M41 – 6790, 6791, 6792, 6793, 6794, 6795
- NetVista M41 Slim – 6843, 6844
- NetVista M42 – 6290, 8301, 8303, 8304, 8305, 8306, 8307, 8308
- NetVista M42 Slim – 6290
- NetVista S40p – 6646
- NetVista S42 – 8317, 8318, 8319

- NetVista X40 – 6643
- NetVista X41 – 6274
- PC 300 – 6344, 6345
- PC 300GL – 6263, 6268, 6272, 6275, 6277, 6278, 6282, 6284, 6285, 6287, 6288, 6338, 6561, 6563, 6564, 6574, 6591
- PC 300PL – 6562, 6565, 6584, 6592, 6594, 6595, 6862, 6871, 6892
- PC 300XL – 6588
- PC 710 – 6870

IBM TotalStorage Network Attached Storage products

- IBM NAS 100 – 5190 NAS Model R12 (no ASF support)
- IBM NAS 200 – 5194 NAS Models 200, 201, 225, 226
- IBM NAS 300 – 5195 NAS Models 325, 326
- IBM NAS 300G – 5196 NAS Model G00, G01, G25, G26

ThinkPad mobile computers

- A2x – 2628, 2629, 2633, 2655
- A3x – 2652, 2653, 2654
- G4x – 2384, 2387, 2388, 2389
- R3x – 2656, 2657, 2658, 2659, 2676, 2677
- R4x – 2681, 2682, 2683, 2684, 2722, 2723, 2724
- R5x – 1829, 1830, 1831, 1832, 1833, 1834, 1836, 1840, 1841, 1842, 1843, 1844, 1845, 1853, 1858, 1859, 1860, 1861, 1862, 1863, 2687, 2688, 2689
- S3x – 2639
- T2x – 2647, 2648
- T3x – 2366, 2367
- T4x – 2373, 2374, 2375, 2376, 2378, 2379, 2668
- X2x – 2660, 2661, 2662, 2881, 2884, 2885, 2890
- X3x – 2672, 2673
- X4x – 1866, 2369, 2370, 2371, 2372, 2381, 2382, 2386
- Z60m - 2531
- TransNote – 2675
- 240
- 380XD, 380Z
- 390, 390X, 390E
- 560X, 560Z
- 570, 570E
- 600, 600E, 600X
- 770, 770E, 770ED, 770X, 770Z

IBM SurePOS point-of-sale systems

Note: All SurePOS point-of-sale systems are supported in compatibility-mode only.

- SurePOS 4694
- SurePOS 500 / 600 – 4840
- SurePOS 700 – 4800

Supported operating systems and software

This section lists the operating systems on which IBM Director Server, IBM Director Console, IBM Director Agent, and IBM Director Core Services can be installed. It also provides information about supported workgroup and enterprise systems-management software.

IBM Director Server

IBM Director Server, which installs all IBM Director components, requires TCP/IP. You can install IBM Director Server on the following operating systems:

- i5/OS™, Version 5 Release 3
- AIX® 5L, Version 5.3
- Red Hat® Enterprise Linux® AS and ES, version 3.0, for Intel x86
Note: For systems that contain an AMD Opteron or Athlon64 processor, Update 5 is required.
- Red Hat Enterprise Linux AS and ES, version 4.0, for AMD64 and EM64T
- Red Hat Enterprise Linux AS and ES, version 4.0, for Intel x86
- Red Hat Enterprise Linux AS, version 4.0, for IBM POWER™
- SUSE LINUX Enterprise Server 8 for x86
- SUSE LINUX Enterprise Server 9 for AMD64 and EM64T
- SUSE LINUX Enterprise Server 9 for IBM POWER
- SUSE LINUX Enterprise Server 9 for x86
- Windows 2000, Advanced Server and Server Editions
- Windows Server 2003, Standard, Enterprise, and Web Editions
- Windows Server 2003, Standard, Enterprise, and Web x64 Editions

IBM Director Console

IBM Director Console requires TCP/IP. You can install IBM Director Console on the following operating systems:

- AIX 5L, Version 5.3
- Red Hat Enterprise Linux AS and ES, version 3.0, for Intel x86
Note: For systems that contain an AMD Opteron or Athlon64 processor, Update 5 is required.
- Red Hat Enterprise Linux AS and ES, version 4.0, for AMD64 and EM64T
- Red Hat Enterprise Linux AS and ES, version 4.0, for x86
- Red Hat Enterprise Linux AS, version 4.0, for IBM POWER
- SUSE LINUX Enterprise Server 8 for x86
- SUSE LINUX Enterprise Server 9 for AMD64 and EM64T
- SUSE LINUX Enterprise Server 9 for IBM POWER
- SUSE LINUX Enterprise Server 9 for x86
- Windows 2000, Advanced Server, Professional, and Server Editions
- Windows XP Professional Edition
- Windows Server 2003, Standard, Enterprise, and Web Editions
- Windows Server 2003, Standard, Enterprise, and Web x64 Editions

IBM Director Agent and IBM Director Core Services

You can install IBM Director Agent and IBM Director Core Services on the following operating systems, unless otherwise noted:

- AIX 5L, Version 5.2¹
 - AIX 5L, Version 5.3¹
 - i5/OS, Version 5 Release 3¹
 - Novell NetWare, version 6.5
 - Red Hat Enterprise Linux AS, ES, and WS, version 3.0, for Intel x86
- Note:** For systems that contain an AMD Opteron or Athlon64 processor, Update 5 is required.
- Red Hat Enterprise Linux AS, ES, and WS, version 3.0, for AMD64 and EM64T
 - Red Hat Enterprise Linux AS, version 3.0, for Intel Itanium¹
 - Red Hat Enterprise Linux AS, version 3.0, for IBM POWER
 - Red Hat Enterprise Linux AS, ES, and WS, version 4.0, for AMD64 and EM64T
 - Red Hat Enterprise Linux AS, version 4.0, for Intel Itanium¹
 - Red Hat Enterprise Linux AS, version 4.0, for IBM POWER
 - Red Hat Enterprise Linux AS, ES, and WS, version 4.0, for Intel x86
 - SUSE LINUX Enterprise Server 8 for AMD64
 - SUSE LINUX Enterprise Server 8 for IBM POWER
 - SUSE LINUX Enterprise Server 8 for Itanium Processor Family¹
 - SUSE LINUX Enterprise Server 8 for x86
 - SUSE LINUX Enterprise Server 9 for AMD64 and EM64T
 - SUSE LINUX Enterprise Server 9 for IBM POWER
 - SUSE LINUX Enterprise Server 9 for Itanium Processor Family¹
 - SUSE LINUX Enterprise Server 9 for x86
 - VMware ESX Server, version 2.1²
 - VMware ESX Server, version 2.5²
 - VMware ESX Server, version 2.51²
 - VMware GSX Server, version 3.1²
 - VMware GSX Server, version 3.2²
 - Windows 2000, Advanced Server, Datacenter, Professional, and Server Editions
 - Windows XP Professional Edition
 - Windows XP Professional x64 Edition
 - Windows Server 2003³, Standard, Enterprise, Datacenter, and Web Editions
 - Windows Server 2003³, Standard, Enterprise, Datacenter, and Web x64 Editions
 - Windows Server 2003³, Datacenter and Enterprise 64-bit Itanium Editions¹
 - Microsoft Virtual Server 2005, with the following guest operating systems:
 - o Windows 2000, Advanced Server and Server Editions (Service Pack 3 or 4 required)
 - o Windows Server 2003, Enterprise, Standard, and Web Editions
 - Microsoft Virtual Server 2005 (Service Pack 1), with the following guest operating systems:
 - o Windows 2000, Advanced Server and Server Editions (Service Pack 3 or 4 required)
 - o Windows Server 2003, Enterprise, Standard, and Web Editions
 - o Windows Server 2003, Enterprise, Standard, and Web x64 Editions
 - o Windows XP Professional Edition (Service Pack 2 required)
 - o Windows XP Professional x64 Edition

¹ IBM Director Core Services is not supported on this operating system.

² Supported guest and host operating systems are those that are supported by *both* IBM Director 5.10 and the specified version of VMware. See the VMware product documentation for a list of supported operating systems.

³ Windows Server 2003 R2 Versions are supported with IBM Director 5.10 Update 1.

iSeries servers with xSeries options

iSeries™ server installations can use the following xSeries options:

- Integrated xSeries Server (IXS)
- xSeries servers that are attached to the iSeries servers via the Integrated xSeries Adapter (IXA)

Using these xSeries options, you can install IBM Director Agent and IBM Director Core Services on the following operating systems:

- Red Hat Enterprise Linux AS and ES, version 3.0, for Intel x86
- Red Hat Enterprise Linux AS and ES, version 4.0, for Intel x86
- SUSE LINUX Enterprise Server 8 for x86
- SUSE LINUX Enterprise Server 9 for x86
- Windows 2000, Advanced Server and Server Editions
- Windows Server 2003, Enterprise, Standard, and Web Editions

Note: Whether these operating systems are supported in your iSeries environment depends on the following criteria:

- The Integrated xSeries Server (IXS) installed in the iSeries server
- The xSeries server that is attached to the iSeries server via the Integrated xSeries Adapter (IXA)
- The release of i5/OS or OS/400® installed on the iSeries server

Supported Web browsers

If you choose to install the Web-based Access feature for IBM Director Agent, the following Web browsers are supported:

- Microsoft Internet Explorer, Version 4.1 or later
- Netscape Navigator, Version 4.7x or 7.01

Workgroup and enterprise systems-management software

Using Upward Integration Modules, IBM Director Agent and IBM Director Core Services can be integrated with robust workgroup and enterprise management software from IBM (such as Tivoli® software), Computer Associates, Hewlett-Packard, Microsoft, NetIQ, and BMC Software.

For more information, see the IBM Director 5.10 information center on the Web at http://www.publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/dirinfo/fqm0_main.html and the IBM Director Upward Integration Web page at http://www.ibm.com/servers/eserver/xseries/systems_management/ibm_director/upward/.

Limitations and performance considerations

IBM Director 5.10 can manage up to 5000 systems with one management server.

The number of systems that IBM Director 5.10 can manage efficiently depends on the existing network load and the functions that you want to perform. System discovery, frequent presence checks, and alert usage can increase network traffic. Precise performance information must be ascertained in each individual environment.

When installing IBM Director Agent on a system, 128 MB of system memory is required.

For more information about IBM Director limitations and performance considerations, see the IBM Director 5.10 information center on the Web at http://www.publib.boulder.ibm.com/infocenter/eserver/v1r2/topic/dirinfo/fqm0_main.html.

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eServer	SurePOS
i5/OS	Tivoli
IBM	TotalStorage
IntelliStation	xSeries
iSeries	

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