

IBM Director, Version 4.12, Hardware and Software Compatibility

This document provides the following information:

- IBM® Director Agent, Version 4.12, support for IBM hardware (see page 1)
- IBM Director, Version 4.12, support for operating systems and software (see page 5)

IBM Director, Version 4.12 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™ chassis
- IBM eServer blade servers
- IBM IntelliStation® workstations
- IBM ThinkCentre™, NetVista™, and PC desktop computers
- IBM TotalStorage™ Network Attached Storage (NAS) products
- IBM ThinkPad® mobile computers
- IBM SurePOS™ point-of-sale systems

Notes:

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

For a list of specific models that IBM Director supports, see the following system and product support list.

Compatibility mode means that IBM Director provides basic systems-management capabilities (such as system discovery, inventory collection, and the display of basic system information). Support for hardware-specific features might be included in a later release of IBM Director. Hardware-specific features can include the following items:

- Alert Standard Format (ASF) task
- Asset ID™ task
- Hardware Status task
- Rack Manager task
- Predictive Failure Analysis® (PFA) alerts for memory and processors
- Environmental sensor monitoring (such as temperature, fan, voltage, power-supply status, and chassis intrusion detection)

System and product support list

IBM eServer products

- IBM eServer BladeCenter HS20, HS40, and JS20
- IBM eServer 325 (See the IBM Director readme files for support details.)

xSeries servers¹

- xSeries 200
- xSeries 200VL
- xSeries 205 (no ASF support, no fan monitoring)
- xSeries 206 (compatibility-mode support only)
- xSeries 220
- xSeries 225 (no ASF support, no fan monitoring)
- xSeries 230
- xSeries 232 (no Alert on LAN™ support)
- xSeries 235
- xSeries 240
- xSeries 250
- xSeries 255
- xSeries 300
- xSeries 305 (no ASF support)
- xSeries 306 (compatibility-mode support only)
- xSeries 330
- xSeries 335
- xSeries 340
- xSeries 342 (no Alert on LAN support)
- xSeries 343 (compatibility-mode support only)
- xSeries 345
- xSeries 350
- xSeries 360
- xSeries 365
- xSeries 370
- xSeries 440
- xSeries 445 (See the IBM Director 4.11 readme.txt file for support details.)
- xSeries 450
- xSeries 455

Notes:

¹(Management servers running Windows) To avoid generating an error message when IBM Director Server is stopped, install the IBM ASM Service Processor Device Driver, Version 5.24b or later. See the IBM Director 4.12 readme file (dir42_readme.txt) for more information. You can ignore the error message.

Netfinity servers¹

- 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

Notes:

¹(Management servers running Windows) To avoid generating an error message when IBM Director Server is stopped, install the IBM ASM Service Processor Device Driver, Version 5.24b or later. See the IBM Director 4.12 readme file (dir42_readme.txt) for more information. You can ignore the error message.

IntelliStation workstations

- A-Pro – 6224 (compatibility-mode support only)
- E-Pro - 6204, 6214, 6216, 6226, 6836, 6846, 6867, 6893
- M-Pro - 6219, 6220, 6229, 6230, 6231, 6233, 6849, 6850, 6868, 6878, 6889, 6898
- R-Pro - 6851
- Z-Pro - 6865, 6866, 6221

IBM 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 M50 - 8185, 8186, 8187, 8188, 8189, 8190, 8413, 8414, 8415
- ThinkCentre S50 - 8183, 8184, 8416, 8417, 8418, 8429
- 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 (NAS) 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, 1836, 1840, 1841
- S3x - 2639
- T2x - 2647, 2648
- T3x - 2366, 2367
- T4x - 2373, 2374, 2375, 2376, 2378, 2379
- X2x - 2660, 2661, 2662, 2881, 2884, 2885, 2890
- X3x - 2672, 2673
- X4x - 2371, 2372, 2381, 2382
- TransNote™ - 2675
- 240
- 380XD, 380Z
- 390, 390X, 390E
- 560X, 560Z
- 570, 570E
- 600, 600E, 600X
- 770, 770E, 770ED, 770X, 770Z

SurePOS point-of-sale systems (compatibility-mode only):

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

IBM Director, Version 4.12, supported operating systems and software

This section provides the following information:

- IBM Director Server supported operating systems
- IBM Director Console supported operating systems
- IBM Director Agent supported operating systems
- IBM Director support for workgroup and enterprise software
- IBM Director limitations and performance considerations

IBM Director Server

IBM Director Server, which installs all IBM Director components, requires the TCP/IP network protocol and is supported on the following operating systems:

- Microsoft® Windows® Server 2003, Standard, Enterprise, and Web
- Microsoft Windows Editions 2000, Server and Advanced Server (Service Pack 3 required)
- Red Hat® Linux, Version 7.3
- Red Hat Enterprise Linux AS, Version 2.1 (formerly Red Hat Linux Advanced Server, Version 2.1)
- SuSE Linux, Version 8.0
- SUSE Linux Enterprise Server 8 x86

IBM Director Console

IBM Director Console requires the TCP/IP network protocol and is supported on the following operating systems:

- Windows Server 2003, Standard, Enterprise, and Web Editions
- Windows XP Professional (Service Pack 1 recommended)
- Windows 2000, Professional, Server, and Advanced Server Editions (Service Pack 3 required)
- Red Hat Linux, Version 7.3
- Red Hat Enterprise Linux AS, Version 2.1 (formerly Red Hat Linux Advanced Server, Version 2.1)
- SuSE LINUX, Version 8.0
- SUSE LINUX Enterprise Server 8 x86

IBM Director Agent

IBM Director Agent is supported on the following operating systems:

- Windows NT® 4.0 Workstation (Service Pack 6a or later required)
- Windows NT 4.0 Server, Standard, Enterprise, and Terminal Server Editions (Service Pack 6a or later required)
- Windows NT 4.0 Server with Citrix MetaFrame (Service Pack 6a or later required)
- Windows Server 2003, Standard, Enterprise, Web, and Datacenter Editions
- Windows Server 2003, Enterprise and Datacenter Editions (64-bit versions)
- Windows 2000, Server, Advanced Server, and Datacenter Editions (Service Pack 3 required)
- Windows 2000 Professional (Service Pack 3 required)
- Windows XP Professional (Service Pack 1 recommended)
- Red Hat Linux, Versions 7.1, 7.2, and 7.3

- Red Hat Enterprise Linux AS, Version 2.1 (formerly Red Hat Linux Advanced Server, Version 2.1)
- SUSE LINUX, Versions 7.2, 7.3, and 8.0
- SUSE LINUX Enterprise Server 8 x86 (Service Pack 3 required)
- SUSE LINUX Enterprise Server 8 for AMD64 (Service Pack 3 required)
- SUSE LINUX Enterprise Server 8 for IBM pSeries and IBM iSeries (Service Pack 3 required)
- SUSE LINUX Enterprise Server 8 for Intel® Itanium Processor Family (Service Pack 3 required)
- Novell NetWare 6.0
- Caldera Open UNIX®, Version 8.0
- SCO UnixWare, Version 7.1.3
- VMware ESX Versions 1.5.2 and 2.0 (Console and Guest Machines)

IBM Director Agent can use the following network protocols:

- TCP/IP
- NetBIOS
- IPX
- SNA
- SLIP
- HTTP

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.x or 7.01

Software support for workgroup and enterprise systems-management software

Using Upward Integration Modules, IBM Director Agent 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 4.1 Upward Integration Modules Installation Guide* and the IBM Director Upward Integration Web page at http://www.ibm.com/servers/eserver/xseries/systems_management/sys_migration/nfdirupward.html.

IBM Director limitations and performance considerations

IBM Director, Version 4.12, can manage up to 5,000 licensed clients with one management server.

The number of clients that IBM Director Version 4.12 can manage efficiently varies according to the existing network load and the functions 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 the default configuration for IBM Director Agent on a managed system, 64 MB of system memory is sufficient. However, if you choose to install additional IBM Director Agent features, 128 MB of system memory is recommended.

For more information about IBM Director limitations and performance considerations, see the *IBM Director 4.11 Installation and Configuration Guide*.

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