



# Session Allocation Manager v3.1

The tool for brokering connections between users and their virtualized client resources.

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A key component of the HP Virtual Client Essentials software portfolio, Session Allocation Manager (SAM) administrative software brokers network connections to seamlessly deliver desktop sessions running in the data center on a PC, Workstation blade, or server-hosted virtual machine to end users.

SAM's support of virtual machine resources and physical, dedicated blades is optimized for customers with hybrid virtual client environments. SAM brokers user sessions in these dynamic virtual client models and administers and manages user environments.

New features in version 3.1 include:

- Session Timers—for virtualized client resources running a supported Linux OS
- Support for virtualized client resources running Windows® 7
- Support for access devices running Windows® 7
- Support for domains running Windows® Server 2008 R2

## TCO and manageability

SAM enables improved management of software and hardware provisioning by:

- Becoming the control point in managing a centralized desktop deployment.
- Making desktop computing sessions available to roaming users regardless of location.
- Enabling conversion from single-monitor to dual-monitor mode without user intervention.

## Simplifying virtualized clients

SAM makes it easy to install, learn to use, and manage a remote desktop deployment by:

- Offering a “hot desking” single sign-on function that allows users to immediately receive their desktop session.
- Removing possible points of failure in highly distributed desktop computing environments.
- Providing a self-registration feature that allows plug and play functionality for new remote computing resources.

## Logical format

HP SAM is logically delivered in three operational components:

- SAM Client application running on a thin client or other access device.
- HP SAM Registration Service running on a computing resource (physical blade or virtual machine).
- SAM Server and associated SQL database.

HP Session Allocation Manager software enables professionals to work together in real-time with more secure access to rich multimedia resources, applications, and data—helping to eliminate the distance barriers that can impede global organizations. For more information on HP SAM, please visit [www.hp.com/go/sam](http://www.hp.com/go/sam).

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# Session Allocation Manager

| Specifications           | Supported software   | Supported hardware <sup>1</sup>  |
|--------------------------|--|--|
| Connection protocols     | Microsoft Remote Desktop Protocol versions 5.1, 5.2, 6.0, and 6.1 for Windows-based images<br>Open Source rDesktop 1.3.1 or later for Linux-based images   | <ul style="list-style-type: none"> <li>• HP Thin Clients</li> <li>• HP Blade PCs</li> <li>• HP Blade Workstations</li> <li>• Any Microsoft® Windows®-compatible desktop or notebook PC</li> </ul>  |
|                          | HP Remote Graphics Software version 5.1.3 and higher   | <ul style="list-style-type: none"> <li>• HP Thin Clients</li> <li>• Any desktop or notebook PC with Microsoft® Windows® XP Professional SP2 or higher; Windows Vista®<sup>2</sup> Business or Enterprise, SP1 or higher, 32 or 64-bit; or Windows 7<sup>3</sup> Professional or Enterprise, 32 or 64-bit</li> <li>• Any workstation with Microsoft Windows XP Professional SP2 or higher, Windows Vista<sup>2</sup> SP1 or higher, Windows 7<sup>3</sup>, or an RGS-supported version of Linux</li> <li>• HP Blade PC bc2000 series with Microsoft Windows XP Professional SP2 or higher, Windows Vista<sup>2</sup> SP1 or higher, or Windows 7<sup>3</sup></li> <li>• HP Blade Workstation—xw25p, xw460c, and xw2x220c with Microsoft Windows XP Professional SP2 or higher, or an RGS-supported version of Linux; or xw460c with Microsoft Windows XP Professional SP2 or higher, Windows Vista<sup>2</sup> SP1 or higher, or Windows 7<sup>3</sup></li> <li>• HP Remote Workstation Clients—dc72 or dc73</li> </ul> |
| Domain controller        | SAM is supported in Domains with a functional level of Microsoft® Windows® Server 2003 or 2008, 32 or 64-bit. If the Domain is using Windows Server 2008, then Microsoft .NET Framework SP1 must be installed on the SAM Server. A single SAM environment can only support Domains in a single forest.   |  |
| SAM server               | Microsoft Windows Server 2008 Standard, Enterprise, and Web editions<br>Microsoft Windows Server 2003 R2 SP2, Standard, Enterprise, and Web editions<br>These languages are supported on the above platforms: English, Japanese, French, German, Korean, and Simplified Chinese.   | Any Microsoft Windows-compatible server, such as an HP ProLiant ML, DL, or Blade Server with a minimum configuration:<br>Processor: Intel® Pentium® 4, 1.0 GHz<br>Hard drive: 10 GB (more if hosting both Server and SQL database)<br>System memory: 1 GB  |
| SAM SQL server           | Microsoft® Windows® SQL Server 2005 SP1 or later, Express, Standard, and Enterprise editions<br>Windows SQL Server 2008 Express, Standard, and Enterprise, 32 or 64-bit editions   | Any Microsoft Windows-compatible server such as HP ProLiant ML, DL, or Blade server with a minimum configuration:<br>Processor: Intel Pentium 4, 1.0 GHz<br>Hard drive: 10 GB (more if hosting both Server and SQL database)<br>System memory: 1 GB  |
| SAM Registration Service | Windows Vista <sup>2</sup> Business or Enterprise, 32 or 64-bit; or Windows Vista Business or Enterprise, 32 or 64-bit SP12<br>Microsoft Windows XP Professional 32 bit SP2 or SP3, or Microsoft Windows XP Professional 64-bit SP2<br>Red Hat Enterprise Linux 64-bit v4 update 5 or later, or v5 update 2 or later   | HP Blade PCs<br>HP Blade Workstations<br>Windows-based Virtual Machines running on top of VMware ESX 3.x<br>Any workstation with Microsoft Windows XP Professional SP2 or higher, Windows Vista <sup>2</sup> Business or Enterprise, 32 or 64-bit, or an RGS-supported version of Linux  |
| SAM client               | Windows Vista <sup>2</sup> Business or Enterprise 32 or 64-bit; Microsoft Windows XP Embedded; Microsoft Windows Embedded Standard; Microsoft Windows XP Professional SP2 or SP3; or Microsoft Windows XP Professional 64 bit, SP2<br>Red Hat Enterprise Linux 32- or 64-bit v4 update 5 or later and v5 update 2 or later<br>HP ThinConnect, HP ThinPro, and HP ThinPro GT<br>SAM Web Client is supported on any Microsoft Internet Explorer with ActiveX controls. | HP Thin Clients<br>HP Remote Workstation Clients<br>Any desktop or notebook PC with Microsoft Windows XP Professional SP2 or higher; or Windows Vista <sup>2</sup> Business or Enterprise, 32 or 64-bit<br>Any workstation with Microsoft Windows XP Professional SP2 or higher; Windows Vista <sup>2</sup> Business or Enterprise, 32 or 64-bit; or an RGS-supported version of Linux   |
| Warranty and services    | Technical support by phone is provided for this Software for 90 (ninety) days from the date of purchase. Optional HP Care Pack Services are extended service contracts which go beyond your standard warranties. For more details visit: <a href="http://www.hp.com/go/lookuptool">http://www.hp.com/go/lookuptool</a> . <sup>4</sup>  |  |

## Users and Roles

HP SAM - Microsoft Internet Explorer

Address: http://10.1.1.12/manage/manageroles.aspx?Mode=1

HP Session Allocation Manager  
Version: 3.1.0.1003251  
Trial Mode  
Effective: 2010/05/01

2010/4/22 - 13:07  
DOMAIN\Administrato

Home Users and Roles Resources Policies System Settings Reports Log

Manage resource roles Manage asset groups Manage administrative permissions Manage users Add new users

### Role Management

Displaying: Page 1 of 1 (results 1 - 2) Show 25

| Role  | Asset Group | Description                | Policy        | Enabled                             | Public | Access Restriction |
|---|-------------|----------------------------|---------------|-------------------------------------|--------|--------------------|
| <input checked="" type="checkbox"/> Finance |             | Role for Finance Personnel | Global Policy | <input checked="" type="checkbox"/> |        |                    |
| <input checked="" type="checkbox"/> Sales   |             | Role for Sales Personnel   | Global Policy | <input checked="" type="checkbox"/> |        |                    |

Total rows: 2

Displaying: Page 1 of 1 (results 1 - 2) Show 25

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## Resources

HP SAM - Microsoft Internet Explorer

Address: http://10.1.1.12/manage/manageresources.aspx

HP Session Allocation Manager  
Version: 3.1.0.1003251  
Trial Mode  
Effective: 2010/05/01

2010/4/22 - 13:07  
DOMAIN\Administrato

Home Users and Roles Resources Policies System Settings Reports Log

Manage resources Manage access devices Manage monitor layout Manage data centers

### Resource Management *Customize view*

IP Address/Host Name:  Enabled: (Both) State:  Available  Disconnected  
 Dedicated Resource: Role: (All)  In-Use  Offline  
 Asset Group: (All)

Auto Refresh (seconds): Off

Displaying: Page 1 of 1 (results 1 - 3) Show 25

| Reported IP Address                            | Host Name               | Logged on User       | Enabled                             | Operating System                  | Protocol | State                               | Details |
|--|-------------------------|----------------------|-------------------------------------|-----------------------------------|----------|-------------------------------------|---------|
| <input checked="" type="checkbox"/> 10.1.1.153 | R1E1B6.DOMAIN.net       |                      | <input checked="" type="checkbox"/> | Microsoft Windows XP Professional |          | <input checked="" type="checkbox"/> |         |
| <input type="checkbox"/> 10.1.1.147            | BAY1-XPENSP3.DOMAIN.net | sride@DOMAIN.net     | <input checked="" type="checkbox"/> | Microsoft Windows XP Professional |          | <input checked="" type="checkbox"/> |         |
| <input type="checkbox"/> 10.1.1.148            | R1E1B2.DOMAIN.net       | DOMAIN\Administrator | <input checked="" type="checkbox"/> | Microsoft Windows 7 Enterprise    |          | <input checked="" type="checkbox"/> |         |

Total rows: 3

Displaying: Page 1 of 1 (results 1 - 3) Show 25

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## Reports

HP SAM - Microsoft Internet Explorer

Address: http://10.1.1.12/manage/manageresources.aspx

HP Session Allocation Manager  
Version: 3.1.0.1003251  
Trial Mode  
Effective: 2010/05/01

2010/4/22 - 13:08  
DOMAIN\Administrato

Home Users and Roles Resources Policies System Settings Reports Log

### Reports

Select Report:

- Resource Capacity Consumption Report
- Resource Capacity Consumption Trend Report
- Resource Utilization Report

Filters

Time Frame: (YYYYMMDD) From: 2010/3/22 To:

Role Enabled: (Both)  
 Role Public: (Both)  
 Roles: (All) Finance Sales *Select one or more roles by highlighting items in the list*

Display Options

Threshold Percentages: Minimum Available: 10% Maximum Consumed: 90% *(1 to 99) Values outside of range entered will be highlighted*

Open in New Window

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## Session Allocation Manager

1. All compatible hardware may not be listed here and is subject to change without notice. For a list of compatible products refer to HP Session Allocation Manager QuickSpecs at [www.hp.com](http://www.hp.com).
2. Certain Windows Vista product features require advanced or additional hardware. See [www.microsoft.com/windowsvista/getready/hardwarereqs.mspx](http://www.microsoft.com/windowsvista/getready/hardwarereqs.mspx) and [www.microsoft.com/windowsvista/getready/capable.mspx](http://www.microsoft.com/windowsvista/getready/capable.mspx) for details. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit [www.windowsvista.com/upgradeadvisor](http://www.windowsvista.com/upgradeadvisor).
3. Systems may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See <http://www.microsoft.com/windows/windows-7/> for details.
4. HP Care Pack Services extend service contracts beyond the standard warranties. Service starts from date of purchase. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at [www.hp.com/go/lookup-tool](http://www.hp.com/go/lookup-tool). Additional HP Care Pack Services information by product is available at [www.hp.com/hps/carepack](http://www.hp.com/hps/carepack). Service levels and response times for HP Care Packs may vary depending on your geographic location.