

### Overview

## Introduction

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 or 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, as well as administers and manages user environments.

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## New Features in version 3.2

### Option to Prefer Allocation of Recently Used Resources

When assigning resources to users via roles, SAM normally tries to allocate resources that have not been recently used from the pool of available resources. This serves to spread the load to all resources more evenly. This new option (off by default) in SAM 3.2 tells SAM to try to allocate resources that have been most recently used by a user. This allows users to often return to their most recently used resource, even after logging off and logging back in. See the SAM 3.2 Administrator Guide for more details.

### Additional Support

- Linux RHEL6 on access devices and resources
- VMware Virtual Machine Linux resources
- HP T5740e (WES7) Thin Clients
- Microsoft SQL 2008 R2

### Admin control of Linux Resources

SAM 3.2 adds support for the Shutdown, Restart, and Logoff operations from the SAM Web Admin console for Linux-based resources.

### SAM Policy Settings for RGS 5.4.5 Experience

The SAM administrator can now force settings to end users related to the new Experience Properties introduced in RGS 5.4.5. These properties allow RGS to adjust image quality as needed to better perform in a low bandwidth environment. See the RGS 5.4.5 User Guide for details.



### Licensing and Purchase Information

<b>Licensing</b>	Session Allocation Manager (SAM) is licensed on a per resource basis; therefore the number of licenses needed for HP SAM will be equal to the number of Computing Resources, such as an HP Blade PC, Blade Workstation, or Virtual Machine running a standard desktop operating system. SAM is sold as a Single license. Each Single license would allow a compute resource to be registered into the SAM server for allocation to an end user. These licenses are completely dynamic and are not locked to any specific resource.	Single License - AW189AAE Site License - AW190AA
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**For Example:** If you register 50 Blade5B PCs, 10 Blade Workstations, and 40 VMs into a SAM Server to support a virtualized client environment hosting a total of 100 separate desktop sessions on these resources platforms, you will need to purchase 100 SAM licenses by ordering AV189AA, quantity 100.

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<b>Software Assurance</b>	Software Assurance (SA) is no longer available for Session Allocation Manager Software. The SAM license purchased includes the right to upgrade to any minor release updates (v3.0 to v3.1, etc.)
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<b>Software Evaluation License</b>	<p>Session Allocation Manager does not have a separate evaluation license. However, while the number of computing resources you register to use the Software cannot exceed the number of licensed seats you have purchased; the exception to this is use of the Software in an evaluation mode.</p> <p>The Software can be downloaded from HP's web site. Once installed, it will recognize up to 30 resources without installing any license key. This is a big benefit to anyone wishing to test and evaluate this new software. However, registration and use of the Software without the purchase of any licenses is only permitted if such registration and use is limited to the evaluation of the Software and not for use of the Software in a production environment.</p>
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<b>Software Expiration and Support</b>	Once installed and fully licensed, the Software does not expire and can be used indefinitely. If an error in the currently available version of the Software is discovered, HP will make every reasonable effort to repair or remedy the error. If such error is discovered in a non-currently available version of the Software, HP may elect to make repairs or remedies only for the currently available version of the Software. In order to gain access to these repairs, customers may be required to purchase upgrades.
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<b>Service and Support</b>	Technical support by phone is provided for this Software for 90 (ninety) days from the date of purchase. Support beyond this period is only provided through the purchase of a HP Care Pack which provides technical support for the use of SAM in any supported virtualized client environment. Technical support is also provided through a set of comprehensive solution support Care Packs for both HP's Blade PC and Blade Workstation solutions. Please contact your nearest HP office for further details or visit: <a href="http://www.hp.com/hps/carepack">www.hp.com/hps/carepack</a> .
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### *Licensing and Purchase Information*

Available support packages		Part number
	1YR 9x5 3-incident SAM Technical Support	UE392E
	1YR 9x5 10-incident SAM Technical Support	UE393E
	1YR 9x5 25-incident SAM Technical Support	UE394E
	1YR 9x5 Unlimited-incident SAM Technical Support	UE395E



### Supported Software and Hardware

#### Supported Software

#### Supported Hardware

<b>Connection Protocols</b>	<p>Microsoft Remote Desktop Protocol versions 5.1, 5.2, 6.0, and 6.1 for Windows-based images Open Source rDesktop 1.3.1 or later for Linux-based images</p> <p>HP Remote Graphics Software version 5.1.3 and higher</p>	<p>HP Thin Clients-t5145, t5545, t5565, t5570, t5630, t5630w, t5730, t5730w, t5740, t5745, t5740e, gt7720 and gt7725; HP 2533t, 4410t, 4320t and 6720t Mobile Thin Clients HP Blade PC-bc1000 and bc2000 series HP Blade Workstation-xw25p, xw460c, ws460c, and xw2x220c Any Microsoft® Windows®-compatible desktop or notebook PC</p> <p>HP Thin Clients-t5565, t5570, t5630, t5630w, t5730, t5730w, t5740, t5740e, t5745, gt7720, and gt7725; HP 2533t, 4410t, 4320t and 6720t Mobile Thin Clients Any desktop or notebook PC with Microsoft Windows XP Professional, SP2 or higher, Windows Vista® Business or Enterprise, SP1 or higher 32 or 64-bit , and Windows 7 Professional or Enterprise, 32 or 64-bit Any workstation with Microsoft Windows XP Professional SP2 or higher, Windows Vista<sup>1</sup> SP1 or higher, Windows 7 or an RGS-supported version of Linux HP Blade PC bc2000 series with Microsoft Windows XP Professional, SP2 or higher, Vista SP1 or higher, Windows 7 HP Blade Workstation-xw25p, xw460c, and xw2x220c with Microsoft Windows XP Professional, SP2 or higher or an RGS-supported version of Linux HP Workstation Blade - ws460c with Microsoft Windows XP Professional, SP2 or higher, Vista SP1 or higher, Windows 7 HP Remote Workstation Clients-dc72 or dc73</p>
<b>Domain Controller</b>	<p>SAM is supported in Domains with a Functional level of Microsoft Windows Server 2003, 2008, or 2008 R2. If the Domain is using Windows Server 2008 or newer, then Microsoft .NET Framework SP1 must be installed on the SAM Server. A single SAM environment can only support domains in a single forest.</p>	
<b>SAM Server</b>	<p>Microsoft Windows Server 2003 R2, SP2, Standard, Enterprise, and Web editions Microsoft Windows Server 2008 Standard, Enterprise, and Web editions: 64-bit operating systems are not supported on the SAM server The following languages are supported on these platforms: English, Japanese, French, German, Korean, and Simplified Chinese.</p>	<p>Any Microsoft Windows-compatible server, such as an HP ProLiant ML, DL, or Blade Server with a minimum of:</p> <ul style="list-style-type: none"><li>● Processor: Intel® Pentium® 4, 2.0 GHz</li><li>● Hard drive: 10 GB (more if hosting both Server and SQL database)</li><li>● System memory: 1 GB</li></ul>
<b>SAM SQL Server</b>	<p>Microsoft® Windows® SQL Server 2005 editions</p>	<p>Any Microsoft Windows-compatible server such as</p>



### Supported Software and Hardware

SP1 or later: Express, Standard, and Enterprise editions  
Windows SQL Server 2008 Express, Standard, and Enterprise 32- or 64-bit editions

HP ProLiant ML, DL, or Blade server with a minimum of:

- Processor: Intel Pentium 4, 2.0 GHz
- Hard drive: 10 GB (more if hosting both Server and SQL database)
- System memory: 1 GB

#### SAM Registration Service

Windows 7 Professional and Enterprise, 32 and 64 bit, Windows Vista Business 32- and 64 bit and Enterprise 32-bit and 64-bit, SP1 or higher<sup>1</sup>  
Microsoft Windows XP Professional 32 bit, SP2, and SP3  
Microsoft Windows XP Professional 64 bit, SP2  
Red Hat Enterprise Linux 64-bit v4 update 5 or later, or v5 update 2 or later

HP Blade PC-bc1000 and bc 2000 series  
HP Blade Workstation-xw25p, xw460c, ws460c, and xw2x220c  
Windows-based Virtual Machines running on top of VMware ESX 3.x or 4.x  
Any workstation with Microsoft Windows XP Professional SP2 or higher, Windows Vista SP1 or higher, Windows 7, or an RGS-supported version of Linux

#### SAM Client

Windows 7 Professional and Enterprise, 32 and 64-bit  
Windows Vista Business and Enterprise 32 and 64-bit<sup>1</sup> SP1 or higher  
Microsoft Windows XP Embedded  
Microsoft Windows Embedded Standard  
Microsoft Windows XP Professional SP2, SP3  
Microsoft Windows XP Professional 64 bit, SP2  
Red Hat Enterprise Linux 32- or 64-bit v4 update 5 or later and v5 update 2 or later  
HP ThinConnect, HP ThinPro, and HP ThinPro GT  
SAM Web Client is supported on any Microsoft Internet Explorer with ActiveX controls.

HP Thin Clients- t5145, t5545, t5745, t5630, t5630w, t5730, t5730w, t5740 gt7720 and gt7725; HP 2533t, 4410t, and 6720t Mobile Thin Clients  
HP Remote Workstation Clients-dc72 or dc73  
Any desktop or notebook PC with Microsoft Windows XP Professional SP2 or higher, Windows Vista<sup>1</sup> SP1 or higher, or Windows 7  
Any workstation with Microsoft Windows XP Professional SP2 or higher, Windows Vista<sup>1</sup> SP1 or higher, Windows 7, or an RGS-supported version of Linux

#### Other Product Information

Visit <http://www.hp.com/go/sam> for more information on Session Allocation Manager.

<sup>1</sup> 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).

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