



# Quest<sup>®</sup> vWorkspace 7.1

What's New



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Quest vWorkspace What's New  
Updated - April 2010  
Software Version - 7.1.358

# What's New in Quest vWorkspace 7.1

This document contains information about the new features in the **Quest vWorkspace** version **7.1** release. Read the material to familiarize yourself with the new features and review further information about them in the *Quest vWorkspace version 7.1* product documentation.

It is important that you review *all* of the documentation so that you understand any changes and known issues in relation to this release.

## Features

- **WAN Acceleration (EOP Xtream)**
- **Advanced Integration with Microsoft Remote Desktop Services**
- **Support for Microsoft Differencing Disks**
- **Workload Evaluators for Hyper-V Hosts**
- **Expanded Sysprep Support**
- **RemoteApp Support**
- **Flash Redirection**
- **USB Redirection**
- **vWorkspace Connector for Java**
- **vWorkspace Management Console**
- **Deferred Authentication**
- **Optional One-Session-Per-User within a Farm**
- **Support for Microsoft Application Virtualization**
- **Read Me First Document**
- **Internet Explorer Redirection (Experimental)**

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## WAN Acceleration (EOP Xtream)

This patent-pending technology accelerates RDP and EOP traffic on wide area networks (WANs), providing an improved user experience by providing faster RDP screen responses and improved performance of all EOP features. Quest EOP Xtream is specifically designed for users on WAN links with modest to high round trip latency. It works on all supported hypervisors and RD Session Hosts/Terminal Servers.

This feature is enabled with RDP pass-through mode by default (port 3389), requiring no additional firewall configuration.

## Advanced Integration with Microsoft Remote Desktop Services

By installing the vWorkspace Extensions for the RD Connection Broker onto your Microsoft Windows Server 2008 R2 server, the software checks to ensure that all of the necessary role services are installed along with the vWorkspace plug-ins.

The vWorkspace integration with Microsoft Remote Desktop Services provides:

- Support for publishing applications and desktops using Microsoft RemoteApp Start menu integration in Microsoft Windows 7 and Microsoft RD Web Access.
- Support for publishing individual applications using Microsoft's built-in RemoteApp technology for seamless windows for Microsoft Hyper-V virtual desktops and RD Session Hosts/Terminal Servers.
- Support for Remote Desktop Gateway for secure Internet access.
- Support for the addition of Microsoft Remote Desktop Connection Brokers to the vWorkspace Management Console.
- Support in AppPortal for connectivity to Microsoft Remote Desktop Connection Broker and Remote Desktop Gateway.

## Support for Microsoft Differencing Disks

SCVMM integration now supports rapid provisioning of desktops using differencing disks, along with automated management of parent and child differencing disks and automated batch desktop creation and Sysprep.

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## Workload Evaluators for Hyper-V Hosts

A new SCVMM computer group property, **Workload Management**, allows you to specify a workload evaluator for the group. You can now load balance between multiple host servers in one desktop group, using customized workload evaluators.

## Expanded Sysprep Support

The following features are now available:

- The ability to Sysprep an SCVMM virtual computer using the vWorkspace Sysprep Customization wizard has been added with this release.
- The Sysprep process for Microsoft Windows 7, Microsoft Vista, and Microsoft Windows Server 2008 computers can now be completed by the Sysprep Customizations wizard, no longer requiring you to alter and import an unattend.xml file.
- The alternative method for initiating Sysprep on VMware computers has been added to the Sysprep Customization wizard as the **Execution Mode** setting.

## RemoteApp Support

Microsoft RemoteApp support for Hyper-V virtual desktops and RD Session Hosts/Terminal Servers has been added enabling the publishing of individual applications using Microsoft's RemoteApp technology on access devices.

When using RemoteApp with Microsoft XP or Microsoft Vista, you need to install one of the following hotfixes from Microsoft.

Update package for Microsoft Windows XP SP3:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=2f376f53-83cf-4e5b-9515-2cb70662a81b&displaylang=en>

Update package for Microsoft Vista SP1 or later:

<http://www.microsoft.com/downloads/details.aspx?familyid=097B7478-3150-4D0D-A85A-6451F32C459C&displaylang=en>

## Flash Redirection

Improvements have been made to the Flash Redirection feature, including improved integration with the browser and expanded support for more web sites.

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## USB Redirection

With this release, support for x64 versions of Microsoft Windows has been added (including Parallels Containers).

## vWorkspace Connector for Java

The vWorkspace Java client has been renamed to the vWorkspace Connector for Java. In addition to the name change, Graphics Acceleration has been added as a new feature, as well as updated support for newer versions of Java.

## vWorkspace Management Console

- A new Welcome window is presented when opening the vWorkspace Management Console. From this window you can access Quick Start Guides and the System Requirements Guide in CHM file format; open the documentation folder containing the complete vWorkspace document library; jump to recent items in the console; and link to home pages such as vWorkspace and Quest SupportLink.
- The mechanism for distributing configuration to vWorkspace servers has been enhanced, relieving the management console of time consuming tasks. A new status indicator in the console provides information on pending updates.
- A Test Connection button allows you to check your connection to other components during the configuration process.
- A Credential Verification button (check mark) has been added to enable you to verify user names and passwords during the configuration process.

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## Deferred Authentication

An optional mode to retrieve applications and desktops through AppPortal and Web Access, even by users whose passwords have expired or needs to be changed has been added with this release.

**PasswordExpiredPassthruMode** – When enabled, if LogonUser() returns the error code ERROR\_PASSWORD\_EXPIRED (1330) and ERROR\_PASSWORD\_MUST\_CHANGE (1907), the broker will enumerate the groups and OUs for the user and return ERROR\_SUCCESS (0). This allows the user to open the Windows logon screen to change the expired password. This feature is controlled through the following registry key (defaults to 0=disabled):

```
HKLM\SOFTWARE\Provision Networks\Common\ Load and License  
Manager
```

```
PasswordExpiredPassthruMode    REG_DWORD (0=disabled  
1=enabled)
```

**AccountLockedPassthruMode** – When enabled, if LogonUser() returns the error code ERROR\_ACCOUNT\_LOCKED\_OUT (1909) the broker will enumerate the groups and OUs for the user and return ERROR\_SUCCESS (0). This allows the user to open the Windows logon screen to unlock the account. You must have a third party password reset application to use this setting. This feature is controlled through the following registry key (defaults to 0=disabled):

```
HKLM\SOFTWARE\Provision Networks\Common\ Load and License  
Manager
```

```
AccountLockedPassthruMode      REG_DWORD (0=disabled  
1=enabled)
```

## Optional One-Session-Per-User within a Farm

This feature is important in healthcare for moving between stations without disconnecting the session.

**SessionRoamingMode** – When enabled, the connection broker looks for both active and disconnected sessions when a user issues a launch request. This enforces one user session per farm and allows a user to roam, being able to return to their active session from any terminal (defaults to 0=disabled):

```
HKLM\SOFTWARE\Provision Networks\Common\Load and License  
Manager
```

```
SessionRoamingMode    REG_DWORD    (0=disabled 1=enabled)
```

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## Support for Microsoft Application Virtualization

With this release, Microsoft App-V version 4.6 is supported. It is important to note that Microsoft App-V servers version 4.6 or later must be trusted for delegation in Active Directory. Enhancements to the App-V import wizard address usability and provide for the assignment of App-V applications to client folders on VDI computers.

## Read Me First Document

A new document outlines all of the vWorkspace documentation for this release. This document is placed in the Documentation folder of the vWorkspace installation.

## Internet Explorer Redirection (Experimental)

A new experimental feature redirects Internet Explorer from the server to the client. You must install PNTools and the following server side registry entries need to be set.

To register:

- HKEY\_CLASSES\_ROOT\HTTP\shell\open\command  
"(Default)" (REG\_SZ) = ""C:\Program Files\Quest Software\Quest vWorkspace\iexplore.exe" %1"
- HKEY\_CLASSES\_ROOT\HTTPS\shell\open\command  
"(Default)" (REG\_SZ) = ""C:\Program Files\Quest Software\Quest vWorkspace\iexplore.exe" %1"

To unregister:

- HKEY\_CLASSES\_ROOT\HTTP\shell\open\command  
"(Default)" (REG\_SZ) = ""C:\Program Files\Internet Explorer\IEXPLORE.EXE" -nohome"
- HKEY\_CLASSES\_ROOT\HTTPS\shell\open\command  
"(Default)" (REG\_SZ) = ""C:\Program Files\Internet Explorer\IEXPLORE.EXE" -nohome"

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# What's Changed

Listed below are some of the features that have changed in vWorkspace 7.1:

- ❑ The vWorkspace Broker Helper Service installation has been simplified, and you no longer need to manage credentials. The vWorkspace Broker Helper Server needs to be installed on the SCVMM server.
- ❑ In the vWorkspace Clients, all instances of Themes has been changed to Visual styles.
- ❑ Some changes have been made to the naming of some vWorkspace features:
  - Multimedia Redirection has been changed to Media Player Redirection.
  - vWorkspace Java Client has been renamed to vWorkspace Connector for Java.
- ❑ The error message, 'The Cluster node is not available', has been changed to, 'There are no available terminal servers to connect to at this time. Please report this message to your system administrator'.
- ❑ Flash Redirection no longer needs to be selected separately for install on the Custom Setup window. It is installed automatically when Terminal Services Enhancements (Provision-IT) is installed.
- ❑ The vWorkspace Management Console can be installed on a Microsoft Windows XP SP3 or later (x86 edition) or a Microsoft Windows 7 (x86 edition) computer.
- ❑ New connection speed options, including the satellite option, have been added to the User Experience options in AppPortal, Performance settings in Web Access, and the Quest vWorkspace Remote Desktop Connection options.
- ❑ Messages containing tips that are presented to users now have a check box to allow users to not display the message again.
- ❑ Two new settings have been added to the Farm Properties window (right-click on the top node in the vWorkspace Management Console):
  - **Reset all pop-up messages** - This check box resets all of the pop-up message tips, please do not show me this message again check boxes, so that they reappear if necessary.
  - **Clear recent items list** - This check box resets the list of recent items on the management console welcome screen.

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- ❑ Two new counters have been added to the Workload Evaluator: **Number of Virtual Machines** and **Number of Powered-On Virtual Machines**.
  - ❑ Upgrading a vWorkspace database now requires that the current user is a Windows administrator.
  - ❑ Property summary displays have been added for both connection brokers and terminal servers.
  - ❑ A new column on the computer list displays the host name and current host load percentage for SCVMM computers.
  - ❑ In AppPortal, the order of the auto-discovery of configuration settings from a web server has been changed to:
    - http://vworkspace.<fully-qualified-domain-name>
    - http://provision.<fully-qualified-domain-name>
    - https://vworkspace.<fully-qualified-domain-name>
    - https://provision.<fully-qualified-domain-name>
  - ❑ Reset (power cycle) is now supported on SCVMM computers.

## Upgrade Considerations

The following considerations need to be reviewed prior to completing an upgrade to Quest vWorkspace version 7.1. Refer also to the *vWorkspace Upgrade Guide* for further information.



Any versions of PNTools that are previous to this vWorkspace release *must* be removed before proceeding with the installation of vWorkspace.

- ❑ An upgrade to vWorkspace version 7.1 is possible from vWorkspace version 6.0.
- ❑ It is important to instruct your users to download and install the latest version of the vWorkspace Clients. When upgrading from 5.x to 7.x, 5.x clients prevent users from launching applications.

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## ❑ **Web Access/SSL VPN Configuration**

If you have configured Web Access to interface with the Firewall/SSL VPN component, the following configuration settings may need to be changed.

On the Web Access Management Console, select the **Firewall/SSL VPN** setting. Change the values for **Web Access URL (external or internal users)** in the following manner:

### **Old format:**

https://your.domain.com/provision/web-it/

– OR –

http://your.domain.com/provision/web-it/

### **New Format:**

https://your.domain.com/

– OR –

http://your.domain.com/

- ❑ If you are not using an SSL Gateway configuration, it is recommended that you *do not* enter information into the **Web Access URL (external or internal users)** fields. A potential issue may result if an incorrect URL or if an invalid or outdated URL is entered into these fields.
- ❑ Farm names in Web Access should not contain spaces. If you are upgrading, and your previous Web Access setup has spaces in farm names, you need to rename those farms before upgrading, or immediately after upgrading.

To manually make the change, do the following in Webit.config:

a) Change the name in the file. For example,

`<FarmList>Farm Name<FarmList>` to,  
`<FarmList>Farm-Name<FarmList>`

b) Rename the corresponding "`webit.Farm Name.config`" file to the new farm name without spaces.

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## Known Issues

There are several known issues with release 7.1 of vWorkspace. Please review the **Known Issues** section of the *Quest vWorkspace 7.1 Release Notes* for further information.