

# RES PowerFuse 2010 SR2 Release Notes

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## 1. Enhancements

### Folder Synchronization: Ability to use network drives

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A registry tweak allows you to use network drives in Composition > Files and Folders > Folder Synchronization where normally only local drives are allowed.

This tweak can be enabled with the following registry entry:

Key	HKEY_LOCAL_MACHINE\Software\RES\PowerFuse or HKEY_CURRENT_USER\Software\RES\PowerFuse
Value (string)	DisableFolderSyncLocalCheck
Data	yes

### Preserve QuickLaunch shortcuts on Microsoft Windows 7

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On Microsoft Windows 7 and Microsoft Windows 2008 R2 QuickLaunch items were no longer managed. During logoff all Managed shortcuts in the QuickLaunch folder (which the user might have put there) were deleted. This deletion can be prevented with the following registry entry:

Key	HKEY_LOCAL_MACHINE\Software\RES\PowerFuse
Value (string)	KeepQL
Data	yes

### Support for Microsoft Office 2010

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RES PowerFuse now fully supports both x86 and x64 versions of Microsoft Office 2010. This includes support for DDE and E-Mail Templates.

### Support for Microsoft Sync Framework 1.0 SP1

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RES PowerFuse now supports Microsoft Sync Framework 1.0 SP1.

## Support for Oracle 11g R2

RES PowerFuse now supports Oracle database version 11g R2.

### User Settings: Compression interval selectable

The User Settings Files \*.upf2 and \*.upr2 are now compressed during logoff approximately once per month. In addition the 'compression interval' for these files can be configured via the following registry entry:

Key	HKEY_LOCAL_MACHINE\Software\RES\PowerFuse
Value (string)	ZPCompressInterval
Data	<Compression interval in # days> If set to '0' files will shrink during each logoff.

### User Settings: User Settings Templates

If you are using the Zero Profile modes **Track specified settings on application start/end** (application-level) or **Track specified settings on session start/end** (global), it is now possible to use User Settings Templates. These templates contain predefined Targeted Items for a specific application or a set of Microsoft Windows setting and can assist with configuring User Settings.

The Application Templates can be used when configuring global User Settings at **Composition > User Settings** or when configuring User Settings for an application at **Composition > Applications > Managed Applications > User Settings**.

Templates are available for various Microsoft Office applications (2003-2010), Microsoft Windows settings, and a set of commonly used applications such as Adobe Acrobat Professional and WinZip.



#### Note

There are some known limitations when using Application Templates:

- Device/Hardware related settings are not supported
- Settings that require administrative privileges are not supported
- The default input language on Microsoft Windows 7 is not supported by the **Regional and Language Options** template.



#### Note

**Composition > Applications > Managed Applications > Properties > Disable Active Setup (skips first-time shell init)** should be unchecked for Microsoft Windows settings to function properly

## User Settings: Zero Profile mode: Capture targeted items once, then track further changes

---

**Composition > Application > Managed Applications > User Settings** has been enhanced with the **Capture targeted items once, then track further changes**. Zero Profile mode. If this mode is selected User Settings will run once with the Zero Profile mode set to **Capture targeted items on application/session start/end**. The second time the Managed Application is run or the second time a session is started (depending on the chosen **Start...** and **Preserve...** modes) User Settings will run in the Zero Profile mode **Track any setting changed by application immediately**.

By using this mode it becomes very easy to use User Settings to migrate personal settings from one machine to another: With the **Capture targeted items on application/session start/end** mode it is easy to transfer all stored changes that were made on system A and track all new changes on system B with **Track any setting changed by application immediately**.

## Workspace Composer: Prevent Force Logoff in the Shutdown Blocker

---

If a logoff is initiated while documents are still open, Microsoft Windows Vista and higher will show a dialog presenting a choice between "Force Logoff" and "Cancel". In RES PowerFuse the "Force Logoff" option is now suppressed.

## 2. Fixes

### **\$adinfo(...) does not save carriage returns in Microsoft Outlook Signature**

---

When using the \$adinfo(...) function in a Microsoft Outlook Signature, any carriage returns (hard returns) within this field would be removed from the signature. This has been fixed.

### **Access Wizard: Incorrect list of users is displayed**

---

When revoking access from users using the Access Wizard, all users were shown (and could be revoked from an application) even if the application manager was limited by OU or limited by same domain. This has been fixed.

### **Actions: Not possible to clone User Registry Action for application**

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When cloning an application based policy at **Composition > Applications > Managed Applications > Configuration > Actions**, no new policy was created; the original version would be overwritten instead. This has been fixed.

### **Alerting: E-mail messages contain only timestamp**

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**Setup > Integration > Alerting** e-mail messages that were triggered by Managed Applications errors could contain empty lines with a timestamp only. This has been fixed.

### **'Always ask before opening this type of file' setting in Microsoft Outlook was not saved**

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If a user unchecked the option **Always ask before opening this type of file** setting in Microsoft Outlook, this setting was not properly saved. As a result, the user had to uncheck the option again when a new session was started. This has been fixed.

### **Building Blocks: Importing RES PowerFuse 2008 Building Block does not transfer all settings correctly**

---

When importing a Building Block from RES PowerFuse 2008, the settings **default hide drive behavior** and **never hide home drive** of **Composition > Files and Folders > Drive and Port Mappings** were not properly imported. This has been fixed.

## Building Blocks: Workspace Analysis issues

---

When selecting items for Building Blocks, Workspace Analysis was not automatically selected. When importing a building block with **Action > Import Building blocks...** the settings for Workspace Analysis were not properly imported. This has been fixed.

## Cached credentials sometimes not saved and loaded properly

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If a Username in Active Directory contained non-ansi characters (like a German umlaut), the user's cached credentials were not saved and loaded properly. This has been fixed.

## Configuring network printers takes long

---

When a session was offline due to **Context > Connection States > Advanced Detection of Connection State** settings, but was connected to a network, a session could be waiting some time for the default printer to be configured. This happened if the default printer was a network based printer. This has been fixed.

## Datastore Maintenance: Clear all logs now results in errors

---

Using the **Setup > Datastore > Maintenance > Clear all logs now** option could result in errors like 'Existing log not found for session'. This has been fixed.. User Event Logs, less than 24 hours old, are no longer removed with this option.

## Datastore Maintenance: Rename group or user not working properly

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**Setup > Datastore > Maintenance > Rename group or user** did not work properly for applications with access control based on **not in group**. This has been fixed.

## Directory maintenance: Errors when performing profile directory maintenance

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When performing Profile Directory maintenance functions, the user event log could contain errors 'Updating <file> ERROR: 5 - Invalid procedure call or argument' This has been fixed.

## 'Disconnect all network printers before logging off / on' not functional on Microsoft Windows 7

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The options **Composition > Printers > Disconnect all network printers before logging off** and **Disconnect all network printers before logging on** did not work correctly on Microsoft Windows 7. This has been fixed.

### **Error message: "C000142, failed to initialize pwr64" during logoff**

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When logging off a RES PowerFuse session on a system running Vista or higher on a 64-bit platform, an error 'C000142, failed to initialize pwr64' may be shown.

Also the following error was logged in **Diagnostics > Errors**:

Process	pwr64.exe
Procedure	RestorePositionDesktopItems
Error #	1073741502

This has been fixed.

### **Error message: "Error (9) Subscript out of range" displayed in session**

---

The following error could be displayed in a user session:

Procedure	CheckAppTimeout at line 100
Error #	9
Error description	Subscript out of range

This has been fixed.

### **Error message: "Error (53) File not found" when closing an application**

---

The following error could be displayed when a user closed an application:

Process	pfwsmgr.exe
Procedure	clsWRP.fysnAddFile
Error #	53
Error description	File not found

This has been fixed.

### **Error message: "Error (70) Permission denied" when starting an application**

---

The following error could be displayed when a user started an application:

Process	pfwsmgr.exe
Procedure	clsWPF.fysnOpenWRPFile (...)
Error #	70
Error description	Permission denied

This has been fixed.

## Error message: "The parameter is incorrect" when logging on

---

The following error could be displayed when logging on to a RES PowerFuse session:

Procedure	modDataOperations.fysnSaveUnmanagedApps at line 680
Error description	The parameter is incorrect

This has been fixed.

## Error message: "There is no script engine for file type .vbs" when opening .VBS files

---

Opening a \*.vbs file or running a \*.vbs file as part of the session startup In a RES PowerFuse session could result in the following error message:

Error description	There is no script engine for file type .vbs
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This has been fixed.

## File Type: File Type for http link not functional in Microsoft Word / Excel

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If a Microsoft Word or Excel file contains a link to a HTTP address, clicking on this link would start Microsoft Internet Explorer as an unmanaged application. This has been fixed. For this fix to work, the 'http' file type must be added manually to the File Type for Microsoft Internet Explorer in the RES PowerFuse Management Console.

## Folder Synchronization: Difference in display method for global / application synchronization actions

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By clicking the **Show all Folder Synchronizations** checkbox at **Composition > Files and Folders > Folder Synchronization** all folder synchronization actions were displayed, including all application based folder synchronizations. However, if an application folder synchronization was edited, the **Run at** options were shown as if the item was a global folder synchronization. This has been fixed.

## Folder Synchronization: Folder Synchronization at logoff sometimes not functional

---

When configuring a **Composition > Files and Folders > Folder Synchronization** task to run at logoff, it did not run when using the Windows Shell on a system running Microsoft Windows Vista or higher. The folder sync action stopped, usually with error - 1073741502 (failed to initialize). This has been fixed.

## Folder Synchronization: "Run at interval" description field appeared empty

---

When editing a global Folder Synchronization at **Composition > Files and Folders > Folder Synchronization**, the description field of the option **Run at ... interval** was empty. A ? was displayed. This has been fixed.

## Icon position not retained on a multi-monitor environment

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In dual screen environments the position of desktop icons on the secondary screen was not remembered correctly. This has been fixed.

## Impossible to set Access Control based on users / groups when these were in OU based scope

---

If a scope is based on an OU it was not possible to set Access Control based on groups or users, when editing a Managed Application or Composition item, even if these groups or users were within the OU tree of the scope. This has been fixed.

## Incorrect taskbar icons for workspace extensions on Windows 2008R2

---

Workspace Extensions running on Microsoft Windows 2008R2 displayed incorrect icons. Either the icon of the Workspace Composer or the default Windows icon was shown. This issue only occurred with the Windows Shell. This has been fixed.

## Inetres.admx policy not processed correctly

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The policy setting **Site To Zone Assignment List** in the **Inetres.admx** policy file was not processed properly. As a result, the corresponding ZoneMapKey was created correctly, but the corresponding ZoneMap key was not created. This has been fixed.



### Note

For this fix to work properly it is necessary to re-edit and save the policy in the Management Console once. This ensures that the correct policy information is stored in the RES PowerFuse Datastore and the cache.

## Instant Reports: Incorrect Access Balancing Log statistics

---

The Instant Report of Access Balancing Log statistics was not correct. This has been fixed.

## Logging in appears to halt at 'Discovering Zones'

---

The splash screen could appear to hang with the text 'Discovering Zones (Context)' if a Zone was defined with a rule based on 'computer OU membership' and the session was started in offline mode (due to advanced connection state). This has been fixed.

## Managed Applications: Impossible to delete an application from context menu

---

The context menu of the **Application List** at **Composition > Applications > Managed Applications** did not have a 'delete...' option. This has been fixed.

## Managed Applications: Select icon window does not show file name

---

The **Select Icon** window that is displayed when choosing a default icon at **Composition > Applications > Managed Applications > General** showed `Icon #1`, `Icon #2` etc. instead of the file name. This has been fixed.

## Managed Applications: Shortcuts pinned to Taskbar issues

---

If **Composition > Applications > Managed Applications > Properties > Merge with unmanaged shortcuts** was selected and applications had the option **Replace existing unmanaged shortcuts** selected on the **General** tab, shortcuts for these applications were not replaced on Microsoft Windows 7 and Microsoft Windows 2008R2. Also, when the application was started, the icons on the taskbar would not be grouped with the pinned shortcut. This has been fixed.

## Maximum instances feature for applications does not work as expected

---

The **Settings > Maximum instances** setting for applications did not always work correctly. For some applications erroneous warnings were displayed regarding the number of instances already running. This has been fixed.

## Memory leak in AppGuard driver on x64 system

---

On a 64-Bit system, the AppGuard security driver could slowly consume bytes in the Paged Pool. This was only be noticeable if the system is up and running for a very long time. This has been fixed.

## Registry key wrongfully removed at first logoff when running multiple RES PowerFuse Sessions

---

When running more than one RES PowerFuse session on a certain Terminal/Citrix server, the following registry key was wrongfully removed at the first logoff:

```
HKEY_CURRENT_USER\Software\Microsoft\Terminal Server  
Client\Default\AddIns\PowerFuse
```

This has been fixed.

## Replacing existing unmanaged shortcuts caused command line parameters to be lost

---

If **Composition > Applications > Managed Applications > Properties > Windows Shell shortcut creation** was set to **Merge with unmanaged shortcuts**, applications that had the setting **Replace existing unmanaged shortcuts** enabled would have their shortcut command line replaced with the correct `'pwrgate x'` command line. However, any existing command line parameters in the original shortcut would have been lost, during that operation. This has been fixed.

## RES Wisdom Integration: Unable to find Dispatcher when running RES Wisdom Task

---

If **Setup > Integration > RES Wisdom Integration** had been setup with a Dispatcher list, this Dispatcher list was not used properly if a RES Wisdom Task was edited. This caused the Dispatcher sometimes not being found. This has been fixed.

## Slow logons because of large amount of SRS files in Outlook Folder

---

The \*.SRS (Send and Receive Settings) files created by outlook are not always correctly removed.

The following registry setting RES PowerFuse ensures proper removal.

Key	HKEY_LOCAL_MACHINE\Software\RES\PowerFuse
Value (REG_SZ)	CleanupSRS
Data	yes

## Splash screen shows delay at performing Execute Command

---

During startup the splash screen could show **Launching task #1** even though this task has already completed. This behavior has been improved in two ways:

1. The last part of the command line is now shown instead of **#<number>**
2. The following two splash screen messages have been added:
  - **Composing Drive and Port Mappings**
  - **Composing Drive substitutes**

## Starting the RES PowerFuse Management Console is slow

---

Launching the RES PowerFuse Management Console could take a very long time when the user was assigned an Administrative Role that had scope control based on group membership, and that group contained many users. This has been fixed.

## Unit4 software crashes

---

An issue with the AppGuard Security Driver could cause the Unit4 software to crash. This has been fixed.

## Usage Tracking: Starting a second instance of the Usage Tracking causes error

---

Starting a second instance of the Usage Tracking Viewer caused the second instance to stop displaying the following error message: 'error 9, subscript out of range'. This has been fixed.

### **User Settings: Decreased time needed compacting User Settings**

---

Compacting User Settings during logout could take a long time to complete. This has been considerably improved.

### **User Settings: Global User Settings return incorrect folder path with mandatory profiles**

---

When loading global User Settings during logon in an environment using mandatory profiles, a wrong path could be returned for folders such as %APPDATA%, causing User Settings not to be loaded properly. This has been fixed.

### **User Settings: No roaming between Microsoft Windows 7 and XP**

---

User Settings did not always roam correctly between Windows XP and Windows 7; changes made on Microsoft Windows 7 were not always applied correctly on Microsoft Windows XP. This has been fixed.

### **User Settings: Regional Settings not working correctly**

---

If the display language was saved using User Settings, RES PowerFuse correctly restored the display language in the registry but the display language was not activated. This has been fixed.

### **Workspace Composer: Hanging system after refresh**

---

When refreshing a session, the **reapply tasks** option of an **Execute Command** task could sometimes cause the Workspace Composer to hang if the task was based on a command line for pwrgate.exe, and the task was set to **wait for task to finish**. This has been fixed.

### **Workspace Composer: Language not set correctly**

---

If the user's home drive was set by a drive mapping or drive subst during startup of the Workspace Composer, the language could sometimes not be set correctly. This has been fixed.

### **Workspace Preferences: Options tab displays incorrect options**

---

If the option **Composition > Desktop > Lockdown and behavior > Hide Taskbar settings on the Start Menu** was checked, several options (such as 'Keep taskbar on top') became wrongfully visible on the **Options** tab of the Workspace Preferences. This has been fixed.

### **Workspace Preferences: Startup tab not shown in "merge" mode**

---

If **Composition > Applications > Managed Applications > Properties > Windows Shell Shortcut creation** was set to **Merge with unmanaged shortcuts**, the **Startup** tab in Workspace Preferences was not shown. This has been fixed.

## **XenApp 6: Application publishing and editing slow**

---

Publishing and editing a XenApp 6 application in the RES PowerFuse Management Console could be slow if no internet connection was available.

## **XenApp 6: Citrix Explorer hook on x64 registry key is set in wrong place**

---

On an X64 operating system in combination with Citrix XenApp 6 (64 bits software), the registry key that disables the Citrix Explorer hook was set in the wrong place. This has been fixed.

## **Zone cannot be added to application**

---

After editing a specific Zone, it appeared disabled and it was no longer possible to add it to an application in **Access Control > Locations**. Only after restarting the Management Console it was possible to add that Zone to the application. This has been fixed.

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