

# Environment Manager

## Release Notes (Version 10.0)

These release notes include:

- [Components in this Release](#)
- [Important Upgrade Information](#)
- [New Features](#)
- [Bugs Fixed](#)
- [Known Issues and Limitations](#)
- [Supported Operating System and Technologies](#)
- [Required Utilities and Components](#)

### Components in this Release

Component	Version
Agent	10.0.525.0
Personalization Server	10.0.525.0
Console	10.0.525.0
Tools	10.0.525.0
Database	10.0.5

## Important Upgrade Information

### Windows Server

Environment Manager 10.0 Personalization Server requires Windows Server 2008 R2 SP1 or above. Microsoft mainstream support for both Windows Server 2008 and R2 ended on 13<sup>th</sup> January 2015, but we are continuing to support Windows Server 2008 R2 beyond this date.

### Windows Client

Support for Windows XP, Windows Vista, and Windows Server 2008 has been deprecated for the Environment Manager Agent, therefore the Environment Manager 10.0 Agent now requires Windows 7 SP1 or above and Windows Server 2008 R2 SP1 or above. The [Microsoft Security Advisory 3033929](#) should also be applied to Windows 7 SP1 and Windows Server 2008 R2 SP1. Microsoft extended support for Windows XP ended on 8<sup>th</sup> April 2014, mainstream support for Windows Vista ended on 10<sup>th</sup> April 2012.

### SQL Server

Support for SQL Server 2008 and 2008 R2 has been deprecated; the Environment Manager 10.0 Personalization Server now requires SQL Server 2012 SP2 or above. Microsoft mainstream support for SQL Server 2008 and R2 ended on 8<sup>th</sup> July 2014.

The required utilities and components have been updated since version 8.6. Please refer to the [Required Utilities and Components](#) section for further details.

### Windows XP and Windows Vista Features

Features related to Windows XP and Windows Vista have been removed from all aspects of the EM Console, including: Policy conditions, Windows Personalization conditions, Windows Settings Groups, Windows Settings, and Custom Windows Settings. This does not affect Policy configuration files that are upgraded or Personalization databases that are upgraded.

### Product Licensing

Environment Manager 10.0 requires a new product license key and this key must to be deployed to all endpoints that the EM Agent is deployed to. The new license key can be installed alongside the existing 8.x license key and should be deployed at the same time or before the EM Agent is deployed. The new license key is deployable via Management Center 10.0 and is available from AppSense Customer Services [customerservices@appsense.com](mailto:customerservices@appsense.com).

### Server Configuration Utility (SCU)

The Server Configuration Utility (SCU), which was used to configure instances of the Environment Manager Personalization Server, has been replaced with the new Server Configuration Portal and new PowerShell cmdlets. It will no longer be possible to configure the Personalization Server using the SCU. The new Server Configuration Portal is not able to detect and repair all missing Windows Server and IIS components, as it requires some Windows Server and IIS components to be in place first. The functionality to detect all missing Windows Server and IIS components has been moved to the DesktopNow Installer. A list of the required Windows Server and IIS components is available in the [Required Utilities and Components](#) section for anyone not using the DesktopNow Installer.

## IIS Web Sites

Environment Manager 10.0 Personalization Server no longer installs into the IIS default website, apart from in-place upgrades. It creates a new website called Personalization which can have two bindings, one of which uses host headers on port 80 and another on port 7771, both configurable during setup. In order to use host headers on port 80, the DNS servers must be updated (refer to the *AppSense DesktopNow 10.0 Install and Configure Guide* for further information). In-place upgrades will install into the default website, if that is where EMPS is currently installed.



### Caution

Do not install into the default website if other applications are using it, as Personalization Server now uses the root of whichever website it is hosted. Further information is available in the *AppSense DesktopNow 10.0 Install and Configure Guide*.

## Quick Setup Wizard

The Policy Quick Setup Wizard has been removed from the EM Console. Configuration samples for the most common EM Policy actions are available from AppSense Exchange.

## Environment Manager Browser Interface (EMBI)

The Environment Manager Browser Interface (EMBI) has been replaced with the Personalization Operations console and no longer includes the Self-Service functionality. Self-Service functionality for end users can now be found in the Enterprise Self Service Tool (ESST), which optionally appears on the user desktop in the taskbar.

## User Personalization Data

Personalization Groups are no longer used as a container for user personalization data. Personalization Groups are now only used for assigning settings to users. If a user falls into a different Personalization Group because a membership rule changes, a Personalization Group hierarchy changes, or Active Directory changes, their personalization data moves with them automatically. During the upgrade process, user personalization data that may have been orphaned, due to user movement between Personalization Groups in the past, is merged. Where there is a conflict, the most recent user personalization data is used. Pre-upgrade SQL scripts are included with the Personalization Server installation package to show the impact of any changes prior to upgrade.

## File-Based Registry (FBR)

Environment Manager previously used a file-based registry (FBR) in order to capture virtualized registry keys and values, and these FBR files are also stored in the Environment Manager Personalization database. In version 10.0, the FBR mechanism has been replaced with registry hives. FBR files created in 8.x versions of Environment Manager will not be upgraded until the global setting UpgradeFbrToHive is set to True. This should not be set to True until all endpoints have been upgraded to the version 10.0 agent. Once the UpgradeFbrToHive has been set to True, the FBR files on the endpoints will be converted to registry hives at next logon or application launch. The old FBR files will remain in place for a period of at least 30 days, after which they will be deleted if they have not been accessed by version 8.x agents.

## New Features

### Policy

- **New Policy Actions**

- **Outlook Setup** – Eases the process of creating a new Outlook profile, including the Exchange server, the mailboxes that will be opened, and the user's signature. Environment and Session Variables can be used to dynamically populate the signature, for example to include job title, department, phone number, or email address.
- **Pinned Items** – New action for pinning or unpinning items on the Start Menu and Task Bar.
- **Text File Create** – Create a text file, set the location, type, and content. This eases the creation of configuration files or files used as flags by other scripts or applications.
- **Desktop Wallpaper** – New standalone action for setting wallpaper and configuring its appearance and local cache

- **Enhanced Policy Actions**

- **Drive Mapping** – more options when mapping drives, including 'Next Available Drive Letter' and Friendly Names that help the user understand what the drive is for.
- **Printer Mapping** – new options include 'Set Friendly Name' and support for Direct IP printers

### Personalization

- The new Personalization Operations console, replaces the Environment Manager Browser Interface (EMBI). The Personalization Operations Console contains new functionality, which allows multi-user operations against both the current 'live' user personalization data and any backups, along with a new, more useable, user interface containing a number of quick tasks for the most common data management operations.
- Automatic user personalization data removal. If user personalization data is not accessed within a configurable number of days, and optionally the user no longer exists in Active Directory, user personalization data will be removed automatically. The default value for new and existing installations is 180 days with Active Directory membership confirmation enabled.
- Personalization Groups are no longer used as a container for user personalization data, this behavior change means that user personalization data will no longer be orphaned within a personalization group if the membership rules change. The consequence of this behavior change is that it will no longer be necessary to manually move user personalization data between Personalization Groups and it won't be possible to create separate user profiles for the same user within different Personalization Groups. If users require more than one user profile, they will need separate identities or separate personalization server/database combinations.
- Logon performance is improved significantly when using Windows Settings Groups that contain large numbers of small files, such as browser cookies.
- New and updated Windows Settings templates specifically targeted at Windows 10.

### Installation and Configuration

The Server Configuration Portal replaces the Server Configuration Utility. The Server Configuration Portal is made up of a number of PowerShell cmdlets and a new user interface accessible via a browser. The PoSH cmdlets allow the configuration of the Personalization Server to be automated and support Desired State Configuration – these have been significantly enhanced from earlier versions. The new user interface allows remote access via a browser, is able to fully manage all local instances of all DesktopNow (DTN) server instances within a single browser page, and is also able to report on and provide remote server management of all DTN server instances connected to the same DTN server database.

## New Server-Based Help

A new product Help system is available via [www.appsense.com/help/em/v10.0/](http://www.appsense.com/help/em/v10.0/) and is no longer delivered via a documentation MSI for local installation. The Help system can be accessed via the URL or from within the product console for context specific content.

For those that cannot access the internet a PDF version of the Help is available as a Product Guide in the release media.

If you are upgrading a previous product version using the Suite Installer that product documentation will be uninstalled.

All version 10.0 product documentation can be found at [www.appsense.com/help](http://www.appsense.com/help).

## Bugs Fixed

The following customer support issues have been resolved in this release:

Problem ID	Title	Details
10437	ADM(X) Policy Actions display incorrectly	Group box options within certain ADM(X) Policy Actions can display in an incorrect format within the Console
10498	IIS Application Pool overwritten during upgrade	Upgrading of Personalization Server causes existing IIS Application Pool to be overwritten during server upgrade
10752	Printer Mapping Actions at Process Start have unapply enabled	Printer Mappings created at Process Start incorrectly had the un-map at logoff option enabled by default
10908	Context Menus in Personalization console do not function correctly	Context Menus for the application registry includes and excludes section of the Personalization console do not function correctly
11106	Personalization discrepancy between the ribbon menu and Console	Personalization discrepancy between the console Ribbon menu and the main page within the console
11315	Menu latency using Office 365	Menu latency when using Office 365 applications when connected to online services (OneDrive and SharePoint)
11382	High CPU using Office 365	High CPU observed when using Office 365 applications when opening files from locally synced from online services (OneDrive and SharePoint)
12432	Cloning Windows Settings does not include Windows 10 filters	Cloning of Windows Settings does not include the Windows 10 filters

## Known Issues and Limitations

The known issues and limitations are now detailed on [support.appsense.com](http://support.appsense.com).

## Supported Operating Systems and Technologies

The maintained Operating Systems and Technologies are now detailed in a [maintained platform matrix](#).

## Required Utilities and Components

Component	Required Utilities and Components
Database Server	Microsoft SQL Server 2012 SP3 or above – all editions Microsoft SQL Server 2014 SP1 or above – all editions Microsoft SQL Server 2016 or above – all editions
Personalization Server	Microsoft Windows Installer 5.0 .NET Framework 4.5 Web Server (IIS) <ul style="list-style-type: none"> <li>• Common HTTP Features                             <ul style="list-style-type: none"> <li>▪ Default Document</li> <li>▪ Directory Browsing</li> <li>▪ HTTP Errors</li> <li>▪ Static Content</li> <li>▪ HTTP Redirection</li> </ul> </li> <li>• Performance                             <ul style="list-style-type: none"> <li>▪ Static Content Compression</li> </ul> </li> <li>• Security                             <ul style="list-style-type: none"> <li>▪ Request Filtering</li> <li>▪ Basic Authentication</li> <li>▪ IP and Domain Restrictions</li> <li>▪ Windows Authentication</li> </ul> </li> <li>• Application Development                             <ul style="list-style-type: none"> <li>▪ .NET Extensibility 4.5</li> <li>▪ ASP.NET 4.5</li> <li>▪ ISAPI Extensions</li> <li>▪ ISAPI Filters</li> </ul> </li> <li>• Management Tools                             <ul style="list-style-type: none"> <li>▪ IIS Management Console</li> <li>▪ IIS Management Scripts and Tools</li> </ul> </li> </ul> .NET Framework 4.5 Features <ul style="list-style-type: none"> <li>• .NET Framework 4.5</li> <li>• ASP.NET 4.5</li> <li>• WCF Services                             <ul style="list-style-type: none"> <li>▪ HTTP Activation</li> <li>▪ TCP Port Sharing</li> </ul> </li> </ul> <a href="#">IIS URL Rewrite Module 2</a> Windows PowerShell 3.0 or above Microsoft Core XML Services (MSXML) 6.0 Microsoft Visual C++ 2013 Redistributable Package
Console	Microsoft Windows Installer 5.0 Microsoft .NET Framework 4.5 Microsoft Visual C++ 2013 Redistributable Package
Agent	Microsoft Windows Installer 5.0 XML Lite 1.0.1018.0 Microsoft Core XML Services (MSXML) 6.0 Microsoft Visual C++ 2013 Redistributable Package <a href="#">Microsoft Security Advisory 3033929</a>