



# App Portal 2015 R2 Service Pack 4 Release Notes

26 April 2016

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# New Features and Enhancements

The following sections list the enhancements in each of the service packs of App Portal 2015 R2:

- [App Portal 2015 R2, Service Pack 4](#)
- [App Portal 2015 R2, Service Pack 3](#)
- [App Portal 2015 R2, Service Pack 2](#)
- [App Portal 2015 R2, Service Pack 1](#)

## App Portal 2015 R2, Service Pack 4

**App Portal 2015 R2, Service Pack 4 includes the following enhancement:**

- [Support for Microsoft System Center Configuration Manager \(Current Branch\)](#)

## Support for Microsoft System Center Configuration Manager (Current Branch)

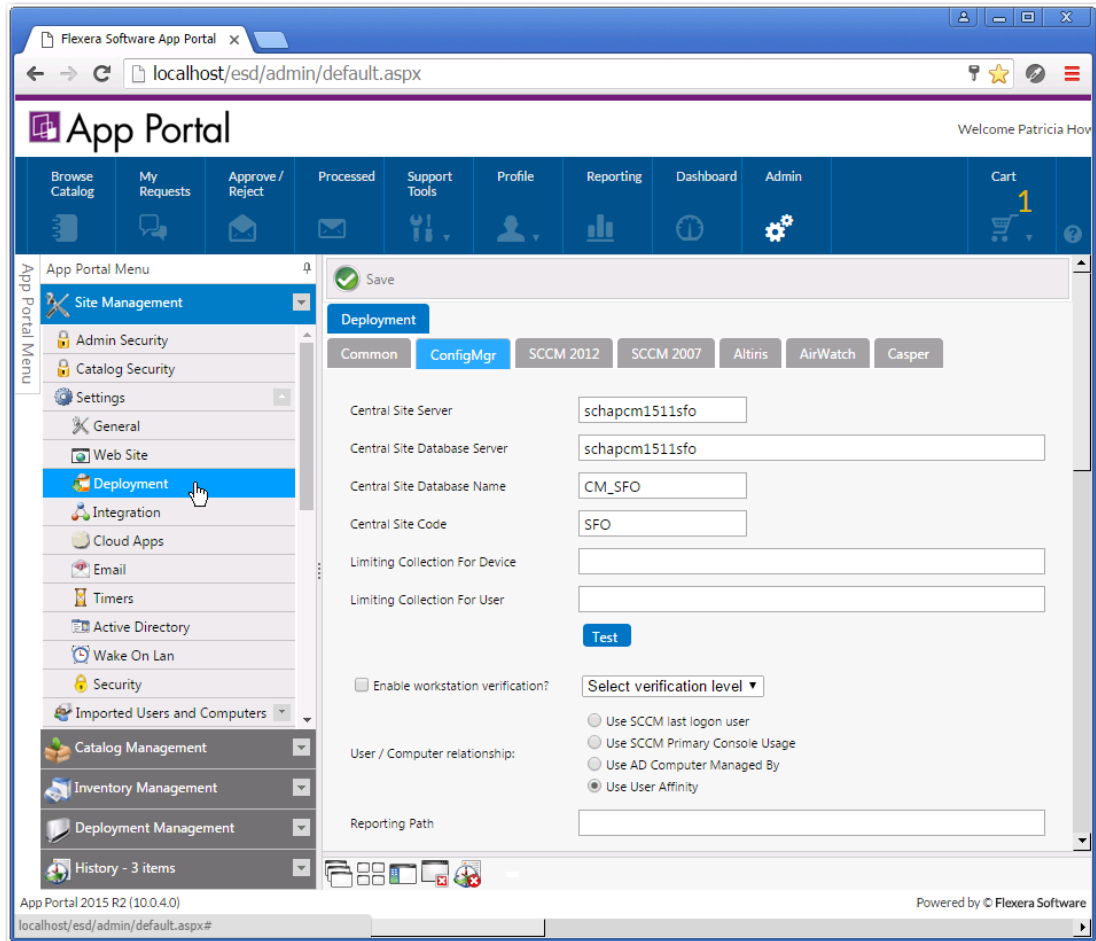
App Portal 2015 R2 SP4 introduces support for Microsoft System Center Configuration Manager (current branch).

System Center Configuration Manager (current branch) is the latest product release of Configuration Manager from Microsoft. The phrase “current branch” indicates this is a version of System Center Configuration Manager that supports incremental updates to the product. Starting with this release in December 2015, System Center Configuration Manager:

- Does not use a year or product identifier in the product name, as seen with past versions like Configuration Manager 2007 or System Center 2012 Configuration Manager.
- Supports incremental in-product updates, also called update versions.

App Portal’s support for System Center Configuration Manager (current branch) provides organizations with the flexibility that they require to upgrade from previous versions of System Center Configuration Manager.

A new tab labeled **ConfigMgr** been added to the **Site Management > Deployment** view, where you can specify settings for your connection to System Center Configuration Manager (current branch).



**Figure 1:** Deployment > ConfigMgr Tab of Deployment View

## App Portal 2015 R2, Service Pack 3

App Portal 2015 R2, Service Pack 3 includes the following enhancements:

- Support for Pagination Logic to Update Workflow Requests
- My Apps Now References FlexNet Manager Suite Discovery Date
- Enhanced Logging for FlexNet Manager Suite Integration
- Optimized Data Sync Process from System Center Configuration Manager
- Multi-Catalog, Single FUID Uninstall Solution Via App Portal
- Support for FlexNet Manager Suite MSP Edition

## Support for Pagination Logic to Update Workflow Requests

Pagination logic updates workflow requests based off of System Center Configuration Manager data. Package requests are updated in batches and batch size is configurable.

In App Portal 2015 R2, Service Pack 3, pagination logic has been implemented in the following methods:

- Check for updated status (sync from Current)
- runMachinePolicy
- checkForNewInserts



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**Note** • This issue was tracked as IOJ-1743434.

## My Apps Now References FlexNet Manager Suite Discovery Date

Previously, My Apps determined license reclamation based off of the software usage last used date. However, there was not a good way to recognize if software application has *never* been used because a last used date will not exist.

To address this issue, App Portal has added a **Discovery Date** column (from FlexNet Manager Suite) to applications. Now, if the **Last Used Date** is null and the **Discovery Date** is before the license threshold date, then My Apps will generate an alert for the machine.



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**Note** • This issue was tracked as IOJ-1744015.

## Enhanced Logging for FlexNet Manager Suite Integration

Starting with App Portal 2015 R2, Service Pack 2, when App Portal interacts with FlexNet Manager Suite, the computer name that is being passed is now logged, making it easier to identify the specific machine causing an issue. The method name with all the parameters passed to FlexNet Manager Suite are logged. It is now possible to see the input parameters for all FlexNet Manager Suite calls in verbose mode.

Also if the logged in machine is not the primary machine of the user, App Portal does not make a call to FlexNet Manager Suite to determine installed applications.



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**Note** • This issue was tracked as IOJ-1745661.

# Optimized Data Sync Process from System Center Configuration Manager

Previously, when a customer had a large number of users and computers, it sometimes took a long time to (import) data sync these users and computers from System Center Configuration Manager. This process has been optimized and will now take less time.



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**Note** • This issue was tracked as IOJ-1748873.

# Multi-Catalog, Single FUID Uninstall Solution Via App Portal

Sometimes a user has no package request history that can be searched to determine the appropriate catalog item for uninstallation. App Portal now uses a machine name query of the System Center Configuration Manager database for the package ID that was used. App Portal then uses that ID to map the catalog item to the catalog item that needs to be uninstalled.

This is only applicable to System Center 2012 Configuration Manager.



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**Note** • This issue was tracked as IOJ-1748883.

# Support for FlexNet Manager Suite MSP Edition

Previously, App Portal only supported a single tenant, which means that the default tenant ID was chosen from FlexNet Manager Suite.

As an enhancement, App Portal now provides an option in the Admin settings to pass the Tenant ID to FlexNet Manager Suite. This **Tenant ID** setting is found on the **Site Management > Settings > Integration** tab. When a Tenant ID is specified, App Portal can communicate with a specific tenant in the multi-tenant FlexNet Manager Suite environment.



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**Note** • This issue was tracked as IOJ-1751858.

# App Portal 2015 R2, Service Pack 2

App Portal 2015 R2, Service Pack 2 includes the following enhancements:

- [Penetration Test and Vulnerability Assessment](#)

## Penetration Test and Vulnerability Assessment

In response to a Penetration Test and Vulnerability Assessment of App Portal, the following actions have been taken:

- App Portal has implemented self-signed SSL, meaning that App Portal will exclusively run in HTTPS.
- App Portal has implemented anti-forgery token validation.
- App Portal has added file validation during upload.
- App Portal added logic to have a secondary cookie validate the session of the user to prevent impersonation of legitimate users.
- App Portal now validates the accuracy and legitimacy of input data, removing user control by encapsulating certain data, and encrypting certain data beyond any user's ability to decrypt.
- App Portal now includes a unique, encrypted token that is transmitted and verified on every POST request to the server.



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**Note** • This issue was tracked as IOJ-1736408.

# App Portal 2015 R2, Service Pack 1

App Portal 2015 R2, Service Pack 1 includes the following enhancements:

- [Support for Using Proxy Server in App Portal When Connecting to Internet Services](#)
- [Cost/Currency and Deployment Details Added to API Response](#)
- [Obtain Email Address from App Portal Database if Unable to Obtain from Active Directory](#)

## Support for Using Proxy Server in App Portal When Connecting to Internet Services

App Portal added support for defining a proxy setting for `WebServiceInvoker`. A new section on the **Admin > Settings > Integration** tab has been added to allow entering the proxy server details.

Also, when connecting to an Online service, if verbose logging is configured, the `website.log` will show whether a proxy server is configured for connection.



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**Note** • This issue was tracked as IOJ-1743078.

## Cost/Currency and Deployment Details Added to API Response

Cost/currency has been added to the catalog API data model, and deployment details have been added to the request API data model.



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**Note** • This issue was tracked as IOJ-1743329.

## Obtain Email Address from App Portal Database if Unable to Obtain from Active Directory

During checkout, App Portal needs to obtain the requester's email address, which is usually obtained from Active Directory. App Portal has updated the checkout service logic so that if App Portal is unable to obtain the email address from Active Directory for whatever reason, it will obtain the email address from the App Portal database.



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**Note** • This issue was tracked as IOJ-1743777.

# Resolved Issues

App Portal 2015 R2 includes resolved issues in the following service packs:

- [App Portal 2015 R2, Service Pack 3](#)
- [App Portal 2015 R2, Service Pack 2](#)
- [App Portal 2015 R2, Service Pack 1](#)

## App Portal 2015 R2, Service Pack 4

The following table lists the customer issues that were resolved in App Portal 2015 R2, Service Pack 4.

Issue	Description
<b>IOJ-1590664</b>	Web Service API <code>returnValueVariable</code> is being set to <code>methodName</code> instead of the webservice name.
<b>IOJ-1743802</b>	When using System Center 2012 Configuration Manager, status updates for packages and task sequences were not getting updated in the user's environment.  To address this issue, a new option was added to the <b>SCCM 2012</b> and <b>ConfigMgr</b> tabs on the <b>Site Management &gt; Settings &gt; Deployment</b> view entitled <b>Use v_ClassicDeploymentAssetDetails to get package deployment status</b> . If this option is selected, App Portal will obtain the deployment status from an alternate view in System Center Configuration Manager.
<b>IOJ-1745926</b>	When an alternate message that used an apostrophe character was specified on the <b>Visibility &gt; Alternate Message</b> tab of the Catalog Item Properties dialog box, instead of hiding the catalog item that has visibility conditions, App Portal was displaying the catalog item, but nothing would happen when you attempted to add the catalog item to the cart.
<b>IOJ-1748310</b>	When only one announcement was defined, HTML code was being displayed instead of being rendered. Also, the announcement title was not being displayed and the announcements window would not open. Exclude conditions on announcements were being ignored. There were also permissions issues on announcements.
<b>IOJ-1751696</b>	When the <b>Check for license position during checkout</b> option on the <b>FlexNet Manager Suite &gt; Mapping</b> tab of the Catalog Item Properties dialog box setting is not selected, you cannot add the "most popular" and "net" catalog items on the <b>Browse Catalog</b> tab to the cart
<b>IOJ-1752387</b>	On the <b>Browse Catalog</b> tab, when viewing a category that has no catalog items, the text <code>0 item</code> is displayed. It should say <code>0 items</code> .
<b>IOJ-1754150</b>	User requested the ability to remove links from email notifications.



Issue	Description
IOJ-1754239	ITSM actions were not being invoked in some cases when a catalog item request required an approval. The first time the user submitted the request, the ITSM actions associated to the catalog item were not run even though it had been approved. If the same user submitted the request a second time, the ITSM actions would run.
IOJ-1754794	Some labels for check boxes are wrapping incorrectly when displayed. If the label of a check box question is too long, the entire word is moved to the line below the check box. leaving the check box on a line by itself.
IOJ-1755254	My App alert email notifications are not being sent out for unused software and catalog item action alerts.
IOJ-1755263	Request to have App Portal perform a client inventory update in Casper after a successful deployment.
IOJ-1755460	Request to provide a web service to check and update database for status updates.
IOJ-1755608	Collection insert issues when using multiple deployment technologies.
IOJ-1755611	The My Apps notification date was being displayed in UTC time instead of local time.
IOJ-1756072	The creation of default operations for BMC Remedy failed when HTTPS site protocol was used.
IOJ-1756083	Request to provide API support for adding a catalog item for a task sequence with existing deployment, similar to existing support for adding application or package catalog items.
IOJ-1756483	The email notification to "Notify user once the uninstallation of unused software is complete" was incorrectly being when a request was submitted.
IOJ-1756487	When App Portal checked the deployment technology of a Mac Casper device, it mistakenly detected it as an SCCM 2012 device IF the <b>Define order for detecting client deployment technology</b> setting had SCCM 2012 listed first.
IOJ-1756604	Request to add a <b>Test</b> button to the <b>License View</b> field on the <b>Settings &gt; Web Site &gt; General</b> tab.
IOJ-1756894	The legacy license reclamation feature was generating errors and not creating uninstall requests.
IOJ-1757323	When checking out a General catalog item which requires approval, if you specify that you are "requesting on behalf" of someone else during checkout, the checkout fails.
IOJ-1757748	An exception is generated when you attempt to disable legacy license reclamation.

# App Portal 2015 R2, Service Pack 3

The following table lists the customer issues that were resolved in App Portal 2015 R2, Service Pack 3:

Issue	Description
<b>IOJ-1661731</b>	Collection membership check was not accurate on System Center 2007 Configuration Manager central environment.
<b>IOJ-1720340</b>	App Portal web service crashes when an alert email is sent if multiple email addresses are entered on the same line in the <b>Email Address for Site Alerts</b> field on the <b>Site Management &gt; Settings &gt; Email</b> tab.
<b>IOJ-1732435</b>	The <b>Auto detect roles from role conditions</b> feature is not working. Roles are not getting applied during checkout even though the conditions on the roles are met.
<b>IOJ-1740439</b>	Leasing does not work when date/time is in a format other than English (American). When the language browser is changed to English (Australia), the lease scheduling dates during checkout do not work.
<b>IOJ-1742798</b>	A memory leak in the App Portal web service is caused by an ITSM status check.
<b>IOJ-1743409</b>	When you define answers for a multi-selection question (drop-down, check box, etc), you can also specify the value <b>Apply role</b> . If a role is specified, then this role should be automatically applied to the OSD. This should always occur, regardless of the settings for the catalog item found under <b>Deployment &gt; Roles</b> . However, the <b>Apply Role</b> setting for answers is not applying the specified role.
<b>IOJ-1743784</b>	Customer receives a "violation of primary key constraint" error during checkout.
<b>IOJ-1744879</b>	A request has a status of Pending Approval on the My Requests page even though no approval is required. This happens when a question condition is defined on a workflow step to determine whether or not to require approval.
<b>IOJ-1745365</b>	When using the "custom approver" feature, If you have a large number of approvers returned, performance issues occur, and sometimes an error is generated when the number of records is very large.
<b>IOJ-1745654</b>	User impersonation does not work. When logged in as the specified user, the user interface still displays the original user instead of the user being impersonated.
<b>IOJ-1745926</b>	When an alternate message is specified (on the <b>Visibility &gt; Alternate Message</b> tab of the Catalog Item Properties dialog box), instead of hiding the catalog item that has visibility conditions, the catalog item is being displayed, but you are unable to add the catalog item to the cart.
<b>IOJ-1748717</b>	When creating a large number of request for a single machine, software is not getting installed by Altiris after App Portal performs a policy refresh on the client.

Issue	Description
<b>IOJ-1751527</b>	My Apps alerts are not generated for any users if a machine has more than 300 installed applications.
<b>IOJ-1752959</b>	LicReserveCount does not resolve to the correct value with ServiceNow ITSM actions.
<b>IOJ-1753116</b>	Deployment technology for request does not match client machine when multiple deployment technologies are configured.
<b>IOJ-1753656</b>	App Portal requests for software deployment via Altiris are falsely being updated to failed.
<b>IOJ-1753733</b>	Uninstall alert from My Apps tab doesn't work consistently. When a user clicks on the uninstall alerts, the request that is created is to uninstall a general catalog item instead of the associated software.
<b>IOJ-1753815</b>	While scheduling uninstall/reinstall/repair requests on the My Requests page, target machine time zone is not considered. Time zone conversion is not handled according to the target machine offset time.
<b>IOJ-1754217</b>	ITSM actions are not applied from catalog item templates. When a catalog item template that contains ITSM actions is used to create a new catalog item, the ITSM actions are not copied to the catalog item.

# App Portal 2015 R2, Service Pack 2

The following table lists the customer issues that were resolved in App Portal 2015 R2, Service Pack 2:

Issue	Description
<b>IOJ-1736410</b>	To prevent transmission of sensitive user information, App Portal has implemented self-signed SSL, meaning that App Portal will exclusively run in HTTPS.
<b>IOJ-1736411</b>	To prevent the theft or manipulation of customer sessions or cookies, App Portal has implemented anti-forgery token validation.
<b>IOJ-1736412</b>	App Portal has added file validation during upload. Files are now screened to verify extension, mime-type, and content.
<b>IOJ-1736413</b>	In order to properly dispose of expired session identifiers as new session identifiers are issues, App Portal added logic to have a secondary cookie validate the session of the user to prevent impersonation of legitimate users.
<b>IOJ-1736414</b>	To reduce vulnerability to SQL injection, cross-site scripting, and other malicious attacks, App Portal now validates the accuracy and legitimacy of input data, removing user control by encapsulating certain data, and encrypting certain data beyond any user's ability to decrypt.
<b>IOJ-1743896</b>	A 404 error is being returned when attempting to gather the user-computer relationships for specific users. The problem has been reproduced with an Active Directory account which does not have any name defined (no first, last, or display name).
<b>IOJ-1744229</b>	The <b>Hide Sites from software publication</b> and <b>Use Central Site for All Deployments</b> settings were changed during App Portal upgrade.
<b>IOJ-1744231</b>	When the setting <b>Disable Approval for Leased Installations</b> is checked on a catalog item that has leasing enabled and has an approval workflow, during the checkout, it correctly states <b>No Approval is needed</b> . However after the request is submitted, viewing the request in <b>My Requests</b> tab shows the request as <b>Pending Approval</b> status.
<b>IOJ-1745077</b>	Catalog items that are not enabled are displayed in the What's New and Most Popular sections, but they cannot be added to the cart.
<b>IOJ-1745467</b>	Default answers are not selected for drop-down and radio button answers.
<b>IOJ-1745634</b>	To reduce vulnerability to the theft or manipulation of customer sessions or cookies, App Portal now includes a unique, encrypted anti-forgery token that is transmitted and verified on every POST request to the server.

Issue	Description
<b>IOJ-1748660</b>	Collection conditions on workflow steps for Altiris are evaluated incorrectly, as App Portal uses the machine name of the local machine, rather than the machine name of the target machine.

## App Portal 2015 R2, Service Pack 1

The following table lists the customer issues that were resolved in App Portal 2015 R2, Service Pack 1:

Issue	Description
<b>IOJ-1664328</b>	If the App Portal database is created on a SQL Server database that has the collation of <code>Latin1_General_CI_AS</code> , and a user attempts to add a variable under <b>Deployment Management &gt; Roles</b> , an error is generated.
<b>IOJ-1742538</b>	In logs, the details about the "Web Service" and the "Command Action" are logged even though there is no web service or command action attached to the catalog item.
<b>IOJ-1742772</b>	When updating <code>LastStateTime</code> , take greater of the <code>InsertDate</code> and <code>LastStateTime</code> returned from System Center Configuration Manager.
<b>IOJ-1743040</b>	Exception is thrown in the <code>DataSync</code> .log when syncing a device having multiple IP addresses.
<b>IOJ-1743495</b>	Cannot enter form data for a general catalog item. When order is submitted, error is displayed stating that an unexpected answer to a question was received.
<b>IOJ-1743555</b>	If you are using the German language in the App Portal user interface, the translated words are too wide to be displayed in the navigation tabs and are cut off.
<b>IOJ-1743557</b>	The DD/MM/YEAR date setup does not work with date fields in the dashboard. If you configure your machine to use the DD/MM/YYYY date format, and you enter dates in that format in the <b>Start Date</b> and <b>End Date</b> fields on the <b>Dashboard</b> view, an <b>Invalid date!</b> message is displayed.
<b>IOJ-1743792</b>	When a catalog Item template that contains ITSM actions is used to create new catalog items, the ITSM actions are not copied to the catalog items.

# Upgrading Your App Portal Database After an In-Place Upgrade to System Center Configuration Manager (Current Branch)



**Important** • If you are performing a side-by-side upgrade to System Center Configuration Manager (Current Branch) instead of an in-place upgrade, you are **not** required to run a script to upgrade your App Portal database.

If you are performing an in-place upgrade of your deployment technology from System Center 2012 Configuration Manager to System Center Configuration Manager (Current Branch), you will also need to run an SQL script to upgrade your App Portal database. This script will upgrade the existing catalog items, deployments, and requests in your App Portal database.

Perform the following steps in this order to upgrade your App Portal database after an in-place upgrade to System Center Configuration Manager (Current Branch).



**Task:** *To upgrade your App Portal database after an in-place upgrade to System Center Configuration Manager (Current Branch):*

1. Perform the in-place upgrade of your deployment technology from System Center 2012 Configuration Manager to System Center Configuration Manager (Current Branch).
2. If you have not yet installed App Portal 2015 R2, run the App Portal 2015 R2 installer.
3. On your App Portal server, run the App Portal 2015 R2 SP4 Upgrader: `AppPortalUpgrade_2015_R2_ServicePack_4.exe`.
4. In App Portal, open the **SCCM 2012** tab of the **Site Management > Settings > Deployment** view, remove the site server and database settings, and click **Save**.

The screenshot shows the 'Deployment' settings window for SCCM 2012. The 'Save' button is active. The 'Deployment' tab is selected, and the 'SCCM 2012' sub-tab is active. The following fields are visible:

Field	Value
Central Site Server	SCHAPCM12ORD
Central Site Database Server	SCHAPCM12ORD
Central Site Database Name	CM_ORD
Central Site Code	ORD
Limiting Collection For Device	
Limiting Collection For User	

A 'Test' button is located at the bottom right of the form.

5. Open the **ConfigMgr** tab and enter the same site server and database settings that you just deleted.
6. Click **Test** to test the connection, and then click **Save**.
7. On the App Portal database server, run the [App Portal 2015 R2 SP4 Database Upgrade SQL Script](#) on the App Portal database

## App Portal 2015 R2 SP4 Database Upgrade SQL Script

As described in the steps above, if you are performing an in-place upgrade of your deployment technology from System Center 2012 Configuration Manager to System Center Configuration Manager (Current Branch), you will also need to run this SQL script to upgrade your App Portal database.

```

IF EXISTS (
    SELECT *
    FROM INFORMATION_SCHEMA.COLUMNS
    WHERE TABLE_NAME = 'WD_Package_Deployment'
    AND TABLE_SCHEMA = 'dbo'
    AND COLUMN_NAME = 'DeploymentTechnology'
)
BEGIN
    UPDATE WD_Package_Deployment
    SET DeploymentTechnology=8
    WHERE DeploymentTechnology=1
END
GO

IF EXISTS (
    SELECT *
    FROM INFORMATION_SCHEMA.COLUMNS
    WHERE TABLE_NAME = 'WD_SiteToAdvert'
    AND TABLE_SCHEMA = 'dbo'
    AND COLUMN_NAME = 'DeploymentTechnology'
)
BEGIN
    UPDATE WD_SiteToAdvert
    SET DeploymentTechnology=8
    WHERE DeploymentTechnology=1
END
GO

IF EXISTS (
    SELECT *
    FROM INFORMATION_SCHEMA.COLUMNS
    WHERE TABLE_NAME = 'WD_PackageRequests'
    AND TABLE_SCHEMA = 'dbo'
    AND COLUMN_NAME = 'DeploymentTechnology'
)
BEGIN
    UPDATE WD_PackageRequests
    SET DeploymentTechnology=8
    WHERE DeploymentTechnology=1
END
GO

exec SP_RefreshView 'vCartData'
exec SP_RefreshView 'vMyRequestsCatalog'
exec SP_RefreshView 'vMyRequestsCatalogUpdated'

```