



# 621: Managing XenApp and XenDesktop with the Connector for System Center Configuration Manager

Hands-on Lab Exercise Guide

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# Overview

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## Hands-on Training Module

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### Objective

This training will provide hands-on experience with the core operational features of the Citrix Connector 7.5 for System Center Configuration Manager 2012. In this lab you will learn how to:

- Deploy App-V and MSI apps to both XenApp 7.5 and XenDesktop 7.5 workers
- Deploy applications to an MCS provisioned catalog
- Publish applications to Receiver using the Configuration Manager console
- Deploy a Receiver Delivered Application to Configuration Manager Software Center and App Catalog

### Prerequisites

While a working knowledge of XenApp 7.5, XenDesktop 7.5, MCS, and System Center Configuration Manager 2012 R2 will be useful, it is not required to complete this lab. This lab is designed to be taken by anyone who has not used the Citrix Connector (the Connector).

### Audience

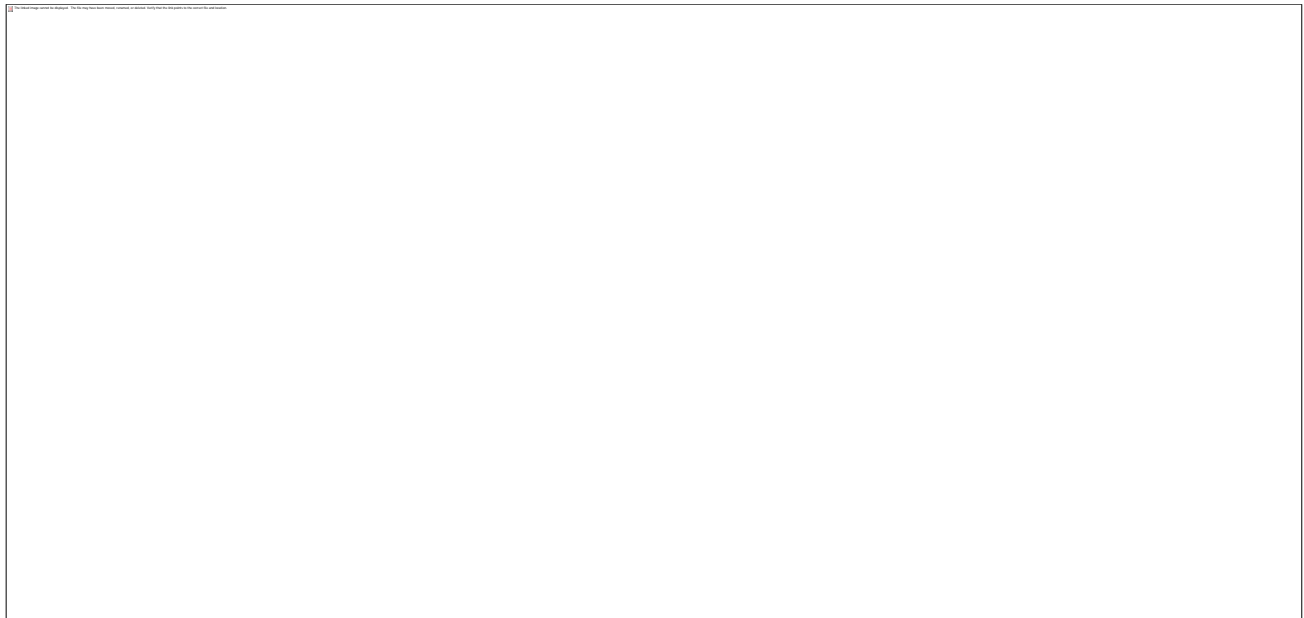
Citrix Customers, Partners, Sales Engineers, Consultants, Technical Support

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## Lab Environment Details

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The lab environment has the components shown in the following diagram already installed. The architecture shown is a typical proof of concept deployment that also includes XenApp 6.5.







You will remotely access the student desktop using Citrix Receiver. All Windows applications such as XenCenter (the XenServer GUI management tool) are accessed from the student desktop.

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## Lab Guide Conventions

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	This symbol indicates particular attention must be paid to this step
	Special note to offer advice or background information
<code>reboot</code>	Text the student enters or an item they select is printed like this
<code>VMDemo</code>	Filename mentioned in text or lines added to files during editing
<b>Start</b>	Bold text indicates reference to a button or object
	Focuses attention on a particular part of the screen
	Shows where to click or select an item on a screen shot

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## The Virtual Machines You Will Use

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VM Name	IP Address	Description / OS
ConfigMgr	192.168.10.20	System Center Configuration Manager Server 2012 R2 & Console installed on Windows Server 2012 R2
Site1-XD1(7.5)	192.168.10.21	XenDesktop 7.5 Controller installed on Windows Server 2012 R2
Site1-Win7Base	192.168.10.24	Domain joined Windows 7 Client with ConfigMgr Client, Connector DT handler
Site2-XenApp1(7.5)	192.168.10.22	XenDesktop 7.5 Controller installed on Windows Server 2012 R
Site2-XenAppWorker	192.168.10.25	XenApp 7.5 RDSH Worker – part of XD75 XenDesktop 7.5 site
Win7MCS01 and Win7MCS02	192.168.10.51 192.168.10.52	XenDesktop 7.5 Windows MCS Worker Guest Machines
Win7Client1	192.168.10.26	Domain joined Windows 7 Client with ConfigMgr Client, Connector DT handler
XenApp2(6.5)	192.168.10.27	XenApp 6.5 Worker and Site Server installed on Windows Server 2008 R2

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## Required Lab Credentials

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For this self-paced lab, use the following user names and passwords to connect to all VMs.

### Domain Administrator

- Username = training\Administrator
- Password = Citrix123

### Domain User

- Username = training\User1
- Password = Citrix123

# Scenario

System Center Configuration Manager is a tool used by many Citrix customers to manage physical desktops and servers. There is increasing demand to leverage the benefits of Configuration Manager and the associated investments in processes and skills. The Connector enables you to unify day-to-day operations across the physical environments managed in Configuration Manager and virtual environments managed in XenApp or XenDesktop. The Connector extends Configuration Manager, providing a single place where a user's access to all applications can be defined and managed.

You have been hired as a consultant to help AnyCo extend their existing System Center Configuration Manager 2012 R2 environment to manage a new Citrix XenApp 7.5 and XenDesktop 7.5 environment. AnyCo also has a number of XenApp 6.5 servers.

The Citrix administrator at AnyCo has installed and configured XenApp 6.5, XenApp 7.5 and XenDesktop 7.5, and the Connector.

The System Center administrator has already installed and configured their System Center environment and XenApp 6.5 Connector.

Your task is to help both of these administrators to understand how to use the Connector in day-to-day operations.

## Guidelines:

- Both the XenApp 6.5 Connector and Citrix Connector 7.5 are installed. However today the administrators want to focus on the Connector 7.5.
- The administrators need to understand how to:
  - Deploy an App-V package to the environment.
  - Deploy an MSI package to the environment.
  - Designate an update device for an MCS managed catalog, deploy an application to the update device, and then use Citrix Studio to update the machine clones.
  - Make applications available via Receiver to iPads, unmanaged PCs, managed PCs and more.

# Exercise 1

## Deploy an App-V Package to a Server OS Machine Catalog

### Overview

In this exercise, you will learn how to deploy an App-V package to a Citrix Server OS Machine Catalog using Configuration Manager (ConfigMgr) and the Connector. The Connector will allow you to deploy the software in a managed way and ensure that you only deploy software during defined down time (ConfigMgr maintenance windows). The XenDesktop machine catalog type used in this exercise is a manually provisioned catalog.

### Step by step guidance

Estimated time to complete this lab: 20 minutes.

Step	Action
1.	<p><b>Connect to the System Center Configuration Manager Console</b></p> <ul style="list-style-type: none"><li>• From XenCenter, log on to the System Center Configuration Manager machine using the following information:<ul style="list-style-type: none"><li>○ Machine Name: <b>ConfigMgr</b></li><li>○ Click the <b>Console</b> tab.</li><li>○ User Name: <b>TRAINING\Administrator</b></li><li>○ Password: <b>Citrix123</b></li></ul></li><li>• Select <b>Don't ask me again for connections to this computer</b>, and then click <b>Yes</b>.</li><li>• Click the <b>Configuration Manager Console</b> icon on the task bar.</li></ul>

2.

## Deploy the Application to the Server OS Catalog

- Select **Assets and Compliance** in the navigation pane of Configuration Manager.
- Expand **Device Collections** in the navigation pane.
- Expand the **Citrix Delivery Sites** folder.
- Expand the **Site2** folder.
- Click on the **Catalogs** folder.
- In the details pane, right-click on the device collection named **Site2 \ XA75-Apps-Catalog1**, then click **Deploy** and **Application**. The Deploy Software Wizard will appear.
- Click the **Browse** button next to the Software field. (Do not change the collection.)
- Select **WinAmp 2.08**, and click **OK** and then click **Next**.
- On the Content page, click **Next**. (The content is already on the distribution point.)
- On the Deployment Settings page, set:
  - Action to **Install**.
  - Purpose to **Required**.



“Required” forces the application to install on the targeted machines. If you select “Available” the app will not automatically deploy to the Citrix device collections.

- Ensure the 3 other **check boxes are unchecked**.
- Then click **Next**.
- On the Scheduling page:
  - Set the installation deadline to **as soon as possible after the available time** and click **Next**.
- On the User Experience page, click **Next** to accept the defaults.
- On the Alerts page, click **Next** to accept defaults.
- On the Summary page, click **Next** to complete the wizard.
- You should now see all green check marks in the wizard.
- Click **Close** to exit.

3.

### Set a Maintenance Window on a Device Collection to control when applications will deploy

- In the **Assets and Compliance** workspace, click **Device Collections**.
- Expand the **Citrix Delivery Sites** folder.
- Expand the **Site2** folder.
- Click the **Catalogs** folder.
- In the details pane, right-click the **Site2 \ XA75-Apps-Catalog1** collection and select **Properties**.
- Select the **Maintenance Windows** tab in the Site2 \ XA75-Apps-Catalog1 properties dialog box and click the **New** (yellow sun) icon.
- In the **<new> Schedule** dialog box, specify:
  - A name (such as **24x7**).
  - An effective date (**today's date**).
  - A schedule (**12:00 PM – 12:00 PM**) [Make sure that **Duration** is configured as 24 hours and 0 minutes.]
  - A recurrence pattern (**Daily**) for the maintenance window.
  - Then, apply this schedule to: (**All deployments**).
  - Click **OK**.

With these settings, the Connector will orchestrate the installation of software and updates as soon as possible.



In production environments, the maintenance window should be set outside normal business hours – for example, Sundays between 1:00 and 4:00 AM.



For image-based provisioning types like MCS and PVS, the Connector also orchestrates the restart of the cloned session machines during the maintenance window to receive changes made to the master image

- Click **OK** again to accept the changes and close the Collection Properties page.

4.

**Optional: Verify that the app deployed**

- In the Configuration Manager Console, click **Monitoring** in the navigation pane.
- Click **Deployments** in the navigation pane.

You will see all the application deployments created in Configuration Manager.

- Double-click the **WinAmp 2.08** deployment.
- You can now monitor the success of the deployment in the lower window. The deployment will move between the following states: Unknown -> In Progress -> Success. This may take up to 20 minutes. Keep clicking **Refresh** the top of the window to update the status. You can continue to the next exercise and check back later.

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## Exercise Summary

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In this exercise you used Configuration Manager to:

- Deploy an App-V based application to a Server OS Catalog.
- Verify that the deployment was successful.
- Change the maintenance window to deploy apps and updates when you need them. You set a 24x7 maintenance window to immediately install the software deployment.
- Optional: Verify that the app deployed.



24x7 Maintenance Windows should only be used for labs and PoCs.



Apps may take up to 30 minutes to deploy.

You should now have a good understanding of how to deploy software using Configuration Manager to Citrix Connector managed machines.

# Exercise 2

## Deploy an MSI Package to an MCS Managed Desktop OS Machine Catalog



### Overview

In this exercise you learn how to deploy an MSI package to an MCS managed catalog using the managed software library node in Configuration Manager. You will learn how to designate an update device for the MCS catalog that will receive updates (because clones do not get updated directly). And, you will learn how to update the clones with the update device from within Citrix Studio.

### Step by step guidance

Estimated time to complete this lab: 20 minutes.

Step	Action
1.	<p><b>Connect to the System Center Configuration Manager Console</b></p> <ul style="list-style-type: none"><li>• If you closed the System Center Configuration Manager Console, you can re-open it using the following information:<ul style="list-style-type: none"><li>○ Machine Name: <b>ConfigMgr</b></li><li>○ Click the <b>Console</b> tab. User Name: <b>TRAINING\Administrator</b></li><li>○ Password: <b>Citrix123</b></li></ul></li><li>• Click the <b>Configuration Manager Console</b> icon on the taskbar.</li></ul>

2.	<p><b>Examine Citrix Machine Catalog Properties</b></p> <ul style="list-style-type: none"> <li>• Select <b>Assets and Compliance</b> in the navigation pane.</li> <li>• Expand <b>Device Collections</b>.</li> <li>• Expand the <b>Citrix Delivery Sites</b> folder.</li> <li>• Expand the site <b>Site1</b> folder.</li> <li>• Click <b>Catalogs</b>.</li> <li>• In the details pane, right-click the <b>Site1 \ XD75-VDI-MCS</b> collection and select <b>Machine Catalog Properties</b>.</li> </ul> <div data-bbox="402 554 1382 680" style="border: 1px solid red; padding: 5px; margin: 10px 0;">  Note that the deployment strategy is Update Device, which means all software and updates are installed on a single master image and Citrix Studio is used to apply the changes to the to the rest of the machines in the catalog. </div> <ul style="list-style-type: none"> <li>• Click on the <b>Deployment Strategy</b> property and review the description.</li> <li>• Click <b>Close</b>.</li> </ul>
3.	<p><b>Designate Update Device</b></p> <div data-bbox="415 894 1281 1016" style="border: 1px solid red; padding: 5px; margin: 10px 0;">  This step is critical for MCS and PVS Catalogs because software and updates are only deployed by ConfigMgr to the update device. </div> <ul style="list-style-type: none"> <li>• Right-click the collection <b>Site1 \ Catalogs \ XD75-VDI-MCS</b> and select <b>Designate Update Device</b>.</li> <li>• Click the <b>Clear</b> button to remove the current update device and click <b>OK</b> to save the change.</li> <li>• Right-click the collection <b>Site1 \ Catalogs \ XD75-VDI-MCS</b> and select <b>Designate Update Device</b> again.</li> <li>• In the search results box, select <b>SITE1-WIN7BASE</b> in the search results, and then click the <b>Verify and Select</b> button.</li> <li>• Click <b>OK</b> to save the change and close the dialog.</li> </ul>

4.

#### Deploy MSI Package Mozilla Firefox from the software library node

- Select **Software Library** in the navigation pane.
- Expand **Application Management**.
- Click **Applications**.
  - You should now see a list of applications in the details pane.
- Right-click **Mozilla Firefox (en-US)** and select **Deploy**.
  - This will start the Deploy Software wizard.
- Click **Browse** next to the Collection field (the one by the red “!” symbol).
- Select **Device Collections** from the drop-down list on the top-left.
- Expand the **Citrix Delivery Sites** folder.
- Expand the **Site1** folder.
- Click the **Catalogs** folder.
- Select the **Site1 \ XD75-VDI-MCS** collection and click **OK**.
- Click **Next** to proceed to the next page in the wizard.
- On the Content page, click **Next** (the content is already on the distribution point).
- On the Deployment Settings page:
  - Set Action to **Install**.
  - Set Purpose to **Required**.



“Required” forces the application to install on the targeted machines – if you select “Available” the app will not be automatically deployed to the Citrix device collections.

- Ensure that the 3 other check boxes are **unchecked**.
- Click **Next**.
- On the Scheduling Page:
  - Set installation deadline to **as soon as possible after the available time**.
  - Then click **Next**.
- Click the **Summary** button to accept the remaining defaults.
- Click **Next** and then **Close** to complete the deployment wizard.

### Confirm the app deployed to the Update Device

- Select **Monitoring** in the console navigation pane.
- Expand the **Overview** folder in the navigation pane.
- Click the **Deployments** node for a list of deployed applications.
- Click **Mozilla Firefox (en-US)** in the details pane.
- Click **View Status** in the ribbon.

If the app deployed successfully, you will see a green success item and, under Asset Details, you will see the name of the update device, **SITE1-WIN7BASE**.



This step needs to report success or you will not be able to move to the next step.



This lab has been configured to enable quick deployments, however the nature of System Center means this may take up to 20 minutes. Please wait and periodically click Run Summarization to see if the deployment succeeded.

If you select the **In Progress** tab, you will see the clones listed as “Waiting For Orchestration.”

5.

### Use Citrix Studio to update the catalog with the latest update device

- In XenCenter, log on to the Citrix Delivery Controller using the following information:
  - Machine Name: **Site1-XD(7.5)**
  - Click the **Console** tab.
  - User Name: **TRAINING\Administrator**
  - Password: **Citrix123**
  - Select **Don't ask me again for connections to this computer** and then click **Yes**.
- Click the **Citrix Studio** icon on the taskbar.
- Click **Machine Catalogs**.
- Right-click the catalog **XD75-VDI-MCS** and select **Update Machines**.
- Select the **Sales** delivery group and click **Next**.
- In the Master Image UI select the update machine you verified in Step 4 – select **Site1-Win7Base** and click **Next**.
- Select **Immediately (shut down and restart the machine now)**.



We are selecting **Immediately** to speed up this lab. In production you would select **On Next Shutdown (not right now)** and the Connector would orchestrate the reboot during the clones' next maintenance window.

- We will go with the defaults, so click **Next**.
- **DO NOT CLICK Finish!** Click the Cancel button.



Due to limitations of time and lab infrastructure you will not be able to complete this step and should click cancel. However, in a real-world deployment, MCS would take & rollout a snapshot of the update device.

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## Exercise Summary

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In this exercise you:

- Defined an update device for the MCS Managed Catalog (this is where ConfigMgr deploys applications and updates).
- Verified that the MSI package was correctly deployed to the Update Device.
- Used Studio to roll out the modified update device to the rest of the Catalog.
- Verified that all members of the Desktop OS Catalog were updated.

# Exercise 3

## Publish an Application to Receiver

### Overview

In this exercise you will learn how to publish an application already deployed to a XenApp or XenDesktop worker. All publishing steps are initiated from within the ConfigMgr console. This step makes the deployed application available in Receiver so the user can subscribe to it. The Connector ensures that application publishing does not happen until at least one machine in the catalog has the app successfully deployed.


### Step by step guidance

Estimated time to complete this lab: 20 minutes.

Step	Action
1.	<p><b>Connect to the System Center Configuration Manager Console</b></p> <ul style="list-style-type: none"><li>• Log on to the System Center Configuration Manager Machine using the following information, if you previously closed it:<ul style="list-style-type: none"><li>○ Machine Name: <b>ConfigMgr</b></li><li>○ Click the <b>Console</b> tab.</li><li>○ User Name: <b>TRAINING\Administrator</b></li><li>○ Password: <b>Citrix123</b></li></ul></li><li>• Click the <b>Configuration Manager Console</b> icon on the taskbar.</li></ul>

## 2. Publish an application to Receiver

- Click **Software Library** in the navigation pane.
- Expand the **Application Management** node.
- Right-click **Citrix Application Publications** and select **Create Publication**.
  - This will start the Citrix Application Publishing Wizard.
- On the Application page, click the **Browse** button.
- Select **Adobe Reader X (10.1.0)** and click **OK**.
- Click **Next**.
- The Introduction page explains that:
  - User access to the application is assigned in Citrix Studio via Delivery Groups.
  - The application must be installed on all online XenApp or XenDesktop workers.
  - Special Script DTs are required to publish applications that are part of the base image (such as Internet Explorer).
- Click **Next**.
- Now the pre-flight checks run to ensure there are no issues that might prevent the application from deploying. You should see 3 green checks that indicate all the prerequisites are met.
- Click **Next**.
- Edit the name of the published application (that end users see) to read **Adobe Reader X** and click **Next**.
- On the Delivery Groups page, select **Site2 \ Marketing** and click **Next**.
- On the Location page, accept the defaults by clicking **Next**.
- On the Desktop Integration page, accept the defaults by clicking **Next**.
- On the Visibility page, click **Finish** to show the application to all users in the Delivery Group.

3.	<b>Verify application publishing in Citrix Studio</b> <ul style="list-style-type: none"><li>• In XenCenter, log on to the Citrix Delivery Controller:<ul style="list-style-type: none"><li>○ Machine Name: <b>Site2-XenApp1(7.5)</b></li><li>○ Click the <b>Console</b> tab.</li><li>○ User Name: <b>TRAINING\Administrator</b></li><li>○ Password: <b>Citrix123</b></li><li>○ Select <b>Don't ask me again for connections to this computer</b> and then click <b>Yes</b>.</li></ul></li><li>• Click the <b>Citrix Studio</b> icon on the taskbar.</li></ul>
4.	<b>Locate Configuration Manager created application publications</b> <p>In Citrix Studio:</p> <ul style="list-style-type: none"><li>• Click <b>Delivery Groups</b> in the navigation pane.</li><li>• Click the <b>Applications</b> tab in the details pane.</li></ul> <p>You will see all apps in this environment. Apps that the Connector automatically created are prefixed with ConfigMgr_.</p> <div data-bbox="329 957 1359 1062" style="border: 1px solid red; background-color: #ffffcc; padding: 5px;"> Note it can take up to 5 minutes for the Connector to synchronize the policy between ConfigMgr and Citrix Studio. Refresh the view until it shows.</div>

5. **Optional: Access app using Receiver**

- In XenCenter, log on to the Windows 7 domain joined client using the following information:
  - Machine Name: **Win7Client1**
  - Click the **Console** tab.
  - User Name: **Training\User1**
  - Password: **Citrix123**
  - Select **Don't ask me again for connections to this computer** and then click **Yes**.
  - Click the **Send Ctrl+Alt+Del (Ctrl+Alt+Insert)** button and then log on using the same **User1** credentials.
- From the **Start** menu, go to **All Programs** and launch **Citrix Receiver**.
- In Receiver, click the “+” symbol to add apps, and click **All Applications**.
- Select **Adobe Reader X** from the list.
- Click the **Adobe Reader X** icon to launch the app.
- Close **Adobe Reader X** and **Citrix Receiver**.

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## Exercise Summary

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In this exercise you:

- Learned to publish an application that has been deployed to XenApp & XenDesktop workers.
- Saw how the pre-flight checks help to prevent invalid publications.
- Verified that the publishing was correctly propagated to the Citrix Deliver Controller.

# Exercise 4

## Deploy a Receiver Delivered Application to Configuration Manager Software Center and App Catalog

### Overview

In this exercise you will learn how to deploy a Receiver delivered application through Configuration Manager Software Center and App Catalog.

### Step by step guidance

Estimated time to complete this lab: 20 Minutes.

Step	Action
1.	<p><b>Connect to the System Center Configuration Manager Console</b></p> <ul style="list-style-type: none"><li>• In XenCenter, logon to the System Center Configuration Manager Configuration Manager Machine using the following information, if you previously closed it:<ul style="list-style-type: none"><li>○ Machine Name: <b>ConfigMgr</b></li><li>○ Click the <b>Console</b> tab.</li><li>○ User Name: <b>SCCMAdministrator</b></li><li>○ Password: <b>Citrix123</b></li></ul></li></ul> <p>Click the Configuration Manager Console icon on the taskbar.</p>

2.	<p><b>Create the Citrix DT</b></p> <ul style="list-style-type: none"> <li>• Select <b>Software Library</b> in the navigation pane.</li> <li>• Expand the <b>Overview</b> node.</li> <li>• Expand the <b>Application Management</b> folder.</li> <li>• Select <b>Applications</b>.</li> <li>• Right-click <b>Adobe Reader X (10.1.0)</b> in the details pane and select <b>Create Deployment Type</b>.</li> <li>• On the General page, select <b>Citrix XenApp 7.5 &amp; XenDesktop 7.5</b> from the <b>Type</b> drop-down menu and click <b>Next</b>.</li> <li>• Choose the name you would like for this application and click <b>Next</b>.</li> <li>• On the Publishing page, click the <b>Add</b> button, select the existing <b>Adobe Reader X</b> application, and then click <b>OK</b>.</li> <li>• Click <b>Next</b> to progress to the Summary page.</li> <li>• Click <b>Next</b> to commit the changes.</li> <li>• Click <b>Close</b> when the Create Deployment Type wizard finishes. <ul style="list-style-type: none"> <li>○ Select Adobe Reader X (10.1.0) and then click the <b>Deployment Types</b> tab at the bottom of the screen to see the new Technology added to the application.</li> </ul> </li> </ul>
3.	<p><b>Set Adobe Reader - Citrix XenApp 7.5 &amp; XenDesktop 7.5 DT as highest priority</b></p> <ul style="list-style-type: none"> <li>• In the Deployments tab, right-click the <b>Citrix DT</b> created in the last step.</li> <li>• Select <b>Increase Priority</b> from the menu until the Citrix XenApp and XenDesktop 7.5 DT has a priority of 1.</li> </ul>

4.	<p><b>Deploy App to the Target User Collection</b></p> <ul style="list-style-type: none"> <li>• In the details pane, right-click <b>Adobe Reader X (10.1.0)</b> and select <b>Deploy</b>.</li> <li>• Click the <b>Browse</b> button next to the Collection field.</li> <li>• Expand the <b>Citrix Delivery Sites</b> folder.</li> <li>• Expand the <b>Site2</b> folder.</li> <li>• Select the <b>Delivery Groups</b> folder.</li> <li>• Select the <b>Site2 \ Marketing</b> collection – click <b>OK</b> and then <b>Next</b>.</li> <li>• Click <b>Next</b> to select the default distribution point. <ul style="list-style-type: none"> <li>○ On the Deployment Settings page, set: <ul style="list-style-type: none"> <li>○ Action to <b>Install</b></li> <li>○ Purpose to <b>Available</b></li> <li>○ and then click <b>Next</b>.</li> </ul> </li> </ul> </li> <li>• On the Scheduling page, click the <b>Summary</b> button to make the application available as soon as possible and skip to the Summary page.</li> <li>• Click <b>Next</b> to commit the changes.</li> <li>• Click <b>Close</b> when the wizard completes successfully.</li> </ul>
5.	<p><b>Verify deployment on PC</b></p> <ul style="list-style-type: none"> <li>• In XenCenter, log on to the Windows 7 domain joined client using the following information, if you previously closed it: <ul style="list-style-type: none"> <li>○ Machine Name: <b>Win7Client1</b></li> <li>○ User Name: <b>Training\User1</b></li> <li>○ Password: <b>Citrix123</b></li> </ul> </li> <li>• Launch Internet Explorer and enter the following URL: <b>http://configmgr/CMApplicationCatalog/#/SoftwareLibrary/ApplistPageView.xml</b></li> <li>• Select <b>Adobe Reader X (10.1.0)</b> and click <b>Install</b>. Click <b>Yes</b> and then click <b>OK</b>.</li> <li>• The <b>Adobe Reader X</b> icon is now on the Start menu.</li> <li>• Launch <b>Adobe Reader X</b> and verify it is running in Receiver (a Receiver icon opens when you first start the app.)</li> </ul>

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## Exercise Summary

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In this exercise you:

- Deployed a Receiver based application using the Configuration Manager App Catalog.
- Learned about the using the Application/Deployment Type model introduced in Configuration Manager 2012.
- Saw how to use priority rules to determine which System Center Deployment Type (DT) is used to deploy an application to a user.

## Please complete this survey

We value your feedback! Please take a moment to let us know about your training experience by completing the brief [Learning Lab Survey](#)

Revision:	Change Description	Updated By	Date
1.0	Original version	Alex Balcanquall	May 2014
1.01	Exercise 2, step 4 corrected overview from Adobe to Firefox	Brian Bustin	May 7, 2014

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## About Citrix

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Citrix (NASDAQ:CTXS) is a cloud company that enables mobile workstyles—empowering people to work and collaborate from anywhere, securely accessing apps and data on any of the latest devices, as easily as they would in their own office. Citrix solutions help IT and service providers build clouds, leveraging virtualization and networking technologies to deliver high-performance, elastic and cost-effective cloud services. With market-leading cloud solutions for mobility, desktop virtualization, networking, cloud platforms, collaboration and data sharing, Citrix helps organizations of all sizes achieve the speed and agility necessary to succeed in a mobile and dynamic world. Citrix products are in use at more than 330,000 organizations and by over 100 million users globally. Annual revenue in 2012 was \$2.59 billion. Learn more at [www.citrix.com](http://www.citrix.com).

