1. Deploying and monitoring available Virtual Applications to a User

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| Computers used in  this Lab | ROUTER01  SRV0001  SRV0002  WKS0001  WKS0002  WKS0004 |
| More information | Deploy applications with System Center Configuration Manager  <https://docs.microsoft.com/en-us/sccm/apps/deploy-use/deploy-applications>  Monitor applications from the System Center Configuration Manager console  <https://docs.microsoft.com/en-us/sccm/apps/deploy-use/monitor-applications-from-the-console>  Enable the App-V in-box client  <https://technet.microsoft.com/en-gb/itpro/windows/manage/appv-enable-the-app-v-desktop-client?f=255&MSPPError=-2147217396> |
| All Systems & All Users collection | Deploying anything to All Systems or All Users is not recommended and it goes against best practices. We are using these 2 collections for demonstration purposes only. |
| Description | In this chapter, we will look at all steps required to deploy an App-V application to a Windows 10 (with Update Anniversary) as well as Windows 8.1 where a App-V client needs to be installed before |

* 1. Enable App-V in-box

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| Perform this task on the WKS0001 virtual machine logged on as user01 |
| 01. Open Windows PowerShell (as administrator) |
| 02. Type Enable-Appv and press ENTER  Note: If you get an error “Enable-Appv : App-V is not available on this edition of Windows.”, make sure you are running an Enterprise version of Windows 10. App-V is not available on Windows Professional. For a workaround, refer to <http://blog.eastern.nl/2016/08/run-or-enable-microsoft-app-v-client-on-windows-10-anniversary-update/> |
| 03. Restart the device.  Note: Repeat the process on WKS0002 |

This can also be achieved via PowerShell using the commands below:

Enable-Appv

start-sleep 5

Start-Process -Filepath ("shutdown") -ArgumentList ("/r /t 0")

* 1. Deploying Application

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| Perform this task on the SRV0002 virtual machine logged on as sccmadmin |
| 01. Start Configuration Manager Console and Click Software Library. |
| 02. Expand Application Management and click Applications |
| 03. Select Robocopy and click Deploy |
| 04. Under Specify general information for this deployment, click Browse (Collection) and select the Collection you want to deploy. Click Next  Note: You can deploy to a Device as well as Users. In this example, we are using the user collection - Users OU |
| 05. Under Specify the content destination, click Next |
| 06. Under specify settings to control how this software is deployed, click Next  Note: Action can be Install or Uninstall and Purpose can be Available or Required. |
| 07. Under Specify the schedule for this deployment, click Next |
| 08. Under Specify the user experience for the installation of this software on the selected devices, click Next |
| 09. Under specify Configuration Manager and Operations Manager alert options, click Next |
| 10. Under Confirm the settings for this new deployment click Next |
| 11. Under completion, click Close |

This can also be achieved via PowerShell using the commands below:

New-CMApplicationDeployment -CollectionName "Users OU" -Name "Robocopy"

* 1. Installing available application

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| Perform this task on the wks0001 virtual machine logged on as user01 |
| 01. Open Software Center under Start -> Microsoft System Center -> Configuration Manager |
| 02. Under Available Software, select Robocopy and click Install |
| 03. If needed, click Installation Status tab to follow the installation process |
| 04. Once the installation is finished, click Installed Software to see all installed software  Note: Repeat the process on the WKS0002 and WKS0004  Note: The App-V 5.0 Client will only be installed on WKS0004 |