

SyAM Software

Using Management Utilities to Deploy an Executable and Desktop Shortcut

Management Utilities can be used to deploy an executable file on client machines, with a desktop icon to run the executable. This procedure is supported for Windows 7 and Windows XP machines with the System Client installed and reporting to the System Area Manager.

Here is a Visual Basic script that will create the desktop icon. In our example, notepad.exe is the executable file.

```
'Create a wshShell Object
Set wshShell = Wscript.CreateObject("Wscript.Shell")

strOS = wshShell.ExpandEnvironmentStrings("%OS%")
If strOS = "Windows_NT" Then
    strVerKey = "HKLM\SOFTWARE\Microsoft\Windows NT\CurrentVersion\"
    strVersion = wshShell.RegRead(strVerKey & "ProductName")
Else
    strVerKey = "HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\"
    strVersion = wshShell.RegRead(strVerKey & "ProductName")
End If

retVal = InStr(strVersion,"XP")
If retVal = 0 Then
    strPath=wshShell.expandEnvironmentStrings("%Public%")
    strPath1=wshShell.expandEnvironmentStrings("%PROGRAMFILES%")
Else
    strPath=wshShell.expandEnvironmentStrings("%ALLUSERSPROFILE%")
    strPath1=wshShell.expandEnvironmentStrings("%PROGRAMFILES%")
End If

'Create a WshShortcut Object
Set oShellLink = wshShell.CreateShortcut(StrPath& "\Desktop\Notepad.lnk")

'Set the Target path for the shortcut
oShellLink.TargetPath = "C:\notepad\notepad.exe"

'Set the icon
oShellLink.IconLocation = "C:\notepad\notepad.exe"

'Save the shortcut
oShellLink.Save
```

Items in **boldface** should be modified by the administrator to change the name of the desktop shortcut and the executable file name and path. Save the script file; in this example, the script will be saved as install-notepad.vbs.

Next, create a Windows batch file to run the VB script using cscript.

```
c:  
cd \  
mkdir notepad  
copy \\192.168.100.151\apps\notepad\notepad.exe c:\notepad  
cscript \\192.168.100.151\apps\notepad\install-notepad.vbs  
exit
```

The administrator should modify the batch file to use the correct path for the network share. Normally, this would be the same shared directory specified in the Administration Settings area of Management Utilities as the default directory for deployment of client software and third party applications. In our example, the Visual Basic script and the executable file will be placed in a subfolder of the network share, in order to reduce clutter. The Windows batch file is placed in the main shared directory, not in the subfolder, as the file deptsvc.exe must also be present in this directory.

Save the batch file; in this example, the file will be saved as install-notepad.bat. Copy the Windows batch file to the network folder, and the executable and Visual Basic script files to the subfolder.

Browse to Management Utilities and create a Third Party Deployment Template. Enter a Template Name. Choose the Target Platform (Windows) and an authentication template with credentials to browse the network share and login to client machines with administrator privileges. Enter a path to the network share if necessary, then click the Find Files button to populate the drop down menu. Choose the Windows batch file. Click the Add button. Verify the correct batch file name and path, click Save Changes, then click OK to confirm.

Configure Template

Third Party Deployment Template

Define the paths to executables used to deploy third party software across your network.

Template Name:

Third Party Executable Details

Target Platform

Windows

Linux

Mac OS X

Select the authentication template with credentials to browse the network share entered below

Windows Admin

Path to directory containing source executable file (depsvc.exe MUST be present in this directory):

\\192.168.100.151\apps

Timeout (minutes)

Parameters

Do not check for process completion (for BIOS updates)

Copy these files locally to each target machine before installing (required if the above is not a network share, cannot be used with local impersonation)

File Path	Parameters	Timeout	Ignore Process Completion	Platform
\\192.168.100.151\apps\install-notepad.bat		10	No	Windows Edit Delete

Existing Templates

Help Desk Desktop Shortcut

Notepad

New Template

To verify that the files and template have been created correctly, deploy the shortcut on a single machine. Identify a machine in the Groups interface. Click the machine, then right-click and choose Deploy Third Party Software. Choose the templates, then click OK to define the job. Click the Run Job button, then click OK to confirm. When the job is finished, review the job status message, then go to the client machine to verify that the executable is present in the specified directory, and that the icon functions as desired. The files and template can now be used to create a job that deploys the executable and desktop icon on a group of machines, and if desired, it can be set up to run as a recurring job on a regular schedule.