

CIS231 – Homework – Deploy Software

When done, you'll have the word processing document and a bunch of other text/html files. Please zip all the html and text files into one file and send two attachments; the word document and the zipped file. DO NOT include the word processing document within the zip file and DO NOT send the text and html files individually.

Links to all files you'll need to download for all the problems are included on the supplemental materials page.

- 1) Deploy the OpenOffice program through a GPO computer policy to all client computers in your domain. Name the GPO DeployOpenOffice. (If you already have OpenOffice installed on the client machines, uninstall it manually before beginning.)
Do not answer the following questions until AFTER successfully completing the task AND testing it on all clients.
 - a. At the server, within Active Directory Users and computers, show me where your client computers are located.
 - b. At the server, within group policy management, click ON the GPO object created for this problem and provide a screenshot which includes both the left and right panes. I need to see where the object is linked as well as the contents of the 'scope' tab .
 - c. While in group policy management, edit the GPO, drill down to the Software Installation node that you configured, click ON it and provide a screenshot of the entire screen. I want both panes in the screenshot and make sure all columns on the right are fully displayed.
 - d. On each of the clients, while logged in as an administrator, run rsop.msc. Drill down to the Computer configuration software installation item, click ON it and provide a screenshot of the entire screen. I want both panes in the screenshot and make sure all columns on the right are fully displayed (I don't need to see the origin column). Also – make sure the title bar from the client virtual machine is visible so that I can confirm which client you're showing me.
- 2) To successfully deploy the package in #1, you had to create a share.
 - a. What is the absolute path to your share?
 - b. What is the UNC path to your share?
 - c. Show me the Share permissions configured on the share.
 - d. Show me the NTFS permissions configured on the shared folder.
- 3) Deploy the Chrome browser through a GPO computer policy to the clients in your domain. Name the GPO DeployChrome. Create a central data store for the Administrative Templates on the server and use chrome's administrative template to configure the following:
The first three bullets must be configured such that the user will NOT be able to change them.
 - Set Chrome as the default browser
 - Set the home button url to cisweb's home page (cisweb.bristolcc.edu)
 - Set three startup pages; cisweb, BCC's home page and google.

The remaining must be configured such that the user CAN make changes to them.

- Set the home button to always display
- Set Chrome to enable the bookmark bar
- Configure at least two other Chrome administrative template settings that you feel would be practical.

After successfully deploying, answer the following questions.

- What additional administrative template settings did you configure? Your answer must include the exact path to the setting from within the GPO, the purpose of the policy and why you think it would be practical to configure.
 - At the server, within group policy management, click ON the GPO object created for this problem and provide a screenshot which includes both the left and right panes. I need to see where the object is linked as well as the contents of the 'scope' tab .
 - While in group policy management, edit the GPO, drill down to the Software Installation node that you configured, click ON it and provide a screenshot of the entire screen. I want both panes in the screenshot and make sure all columns on the right are fully displayed.
 - On each client, while logged in as the domain administrator (or someone with admin rights), run rsop.msc. Drill down to the Computer configuration software installation item, click ON it and provide a screenshot of the entire screen. I want both panes in the screenshot and make sure all columns on the right are fully displayed (I don't need to see the origin column). Also – make sure the title bar from the client virtual machine is visible so that I can confirm which client you're showing me.
 - On each client open chrome and enter the following in the address bar: Chrome://policy. Provide a screenshot of the results. Here again, be sure the title bar of the virtual machine is visible so that I can confirm which client you're showing me. In addition, make sure all policy values are visible.
 - On each client, while logged in as someone with domain administrative rights, generate an html report with the gpresult command. Name the files based on their OS; i.e., name the windows 7 report win7.html, etc.
 - Provide the command used to complete each task
 - Send all html files as part of the homework submission
 - Provide a screenshot which confirms that you've used a central data store to store the templates.
- 4) Deploy either 7.zip or the XMLNote 2007 program through a GPO user policy to all users in the ITS container. The program must be published (not assigned).
Do not answer the following questions until AFTER successfully completing the task AND testing it on all clients.
- At the server, within Active Directory Users and Computers, display the contents of your ITS container.
 - At the server, within group policy management, click ON the GPO object created for this problem and provide a screenshot which includes both the left and right panes. I need to see where the object is linked as well as the contents of the 'scope' tab .

- c. While in group policy management, edit the GPO, drill down to the Software Installation node that you configured, click ON it and provide a screenshot of the entire screen. I want both panes in the screenshot and make sure all columns on the right are fully displayed.
 - d. On each of the clients, while logged in as one of the users in your ITS container, provide a control panel screenshot which confirms the package was successfully *published*. Make sure the title bar from the client virtual machine is visible so that I can confirm which client you're showing me.
- 5) While logged in as a user from the ITS container on any of the clients, through control panel, install the published software. Confirm that the published software successfully installed.
 - a. What client did you use?
 - b. Provide a screenshot of the installed application on the client.
 - 6) Explain, in detail, the steps you would follow to uninstall OpenOffice from all client machines using the GPO. Be very precise in your answer.
(If you choose to test your steps, which is not a bad idea, be sure to re-deploy the package. If I check your system I will expect to find OpenOffice installed on clients via the GPO.)

PSTOOLS – all of the commands in this section must be executed **at the server. Absolute no work should be done AT the client.**

- 7) Use the appropriate pstool to open a command prompt session at each client. Within each session you should display the IP address of the client.
For Each client, provide the following:
 - a. The PS command used to complete each task
 - b. The command prompt session with the title bar, command and command's output displayed.
- 8) Use the appropriate pstool to display a list of software that's installed at each client and store the output in a file. Name each file based on the OS; i.e., the list of software installed on the Win7 machine should be stored in a file named 7Software.txt, etc.
For Each client, provide the following:
 - a. List the steps you had to complete before you were able to successfully use the PS command to display the software installed at each client.
 - b. The command used to complete each task.
 - c. Include all the txt files as part of the homework submission.
- 9) Store the computer names of all your clients in a text file and use that text file to install a program to all client machines listed in the file. You must use the appropriate ps command and the msiexec command to complete the installation. You can use one of the programs provided on the site or use a different one. The main objective is that ONE command be used at the server to install the program at each client listed in the text file.
 - a. What program did you choose to install? If it's not one of the programs provided on the supplemental materials page then provide a url to the file and a brief explanation of the program's purpose.
 - b. What is the UNC path to the .MSI file for the program?

- c. Where did you store the text file that contains your computer names – absolute path please?
- d. Show me the content of the text file.
- e. What command did you use to complete the installations? Include your prompt and the command in your answer.
- f. Include a screenshot of the command's output.

EXTRA CREDIT

If you choose to complete any of the below extra credits, please keep the following in mind;

- To earn the extra credit YOU must complete the work involved in getting it to work; in other words, you must do your own troubleshooting .
- You must successfully complete the task AND clearly and concisely provide the steps used to complete the task. I must be able to follow the steps; they must work for me.
- Your **submission** must include some screenshots to confirm things worked (you decide what you think I should see) AND the clearly written steps that I will use to test your process.
- you do not need to submit the extra credit at the same time as this assignment

Extra Credit #1:

[Deploy Libre Office](#) to all clients in the domain. If you have it installed from the start of the semester, be sure to uninstall it before deploying. (10 points on [this assignment](#))

Extra Credit #2

Convert an EXE package to an MSI and deploy it. This will require that you first find a package that is only available in EXE format. You'll then need to find a method to convert; there are lots of third party programs available; some more complicated than others.

In addition to the above mentioned submission requirements, you must also include a link to the two programs you used: the one you deployed and the one you used to convert the EXE to an MSI (10 points [on the final exam](#).) Does not have to be submitted with this assignment.