AD Group Policy & SW Deployment

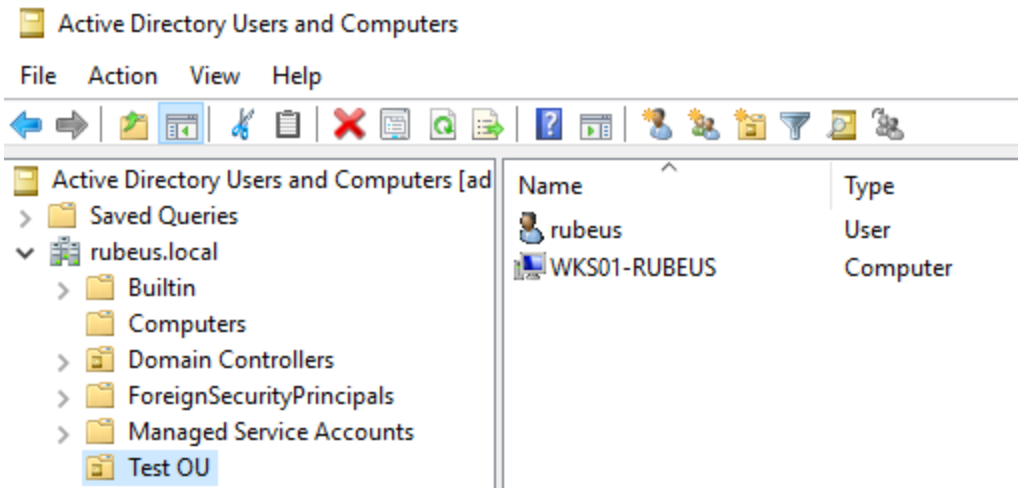
> 💡This is the last lab using your individual environments and will be focused on Windows. Turn off those virtual machines **not** directly associated with this lab.
>
> This is a relatively easy lab and is designed to be knocked out during class so that you can spend the remainder of the semester on your Final Project and Group Assessment.

Objectives:

- Setup GPO
- Deploy Application

Prepare an OU, user & workstation

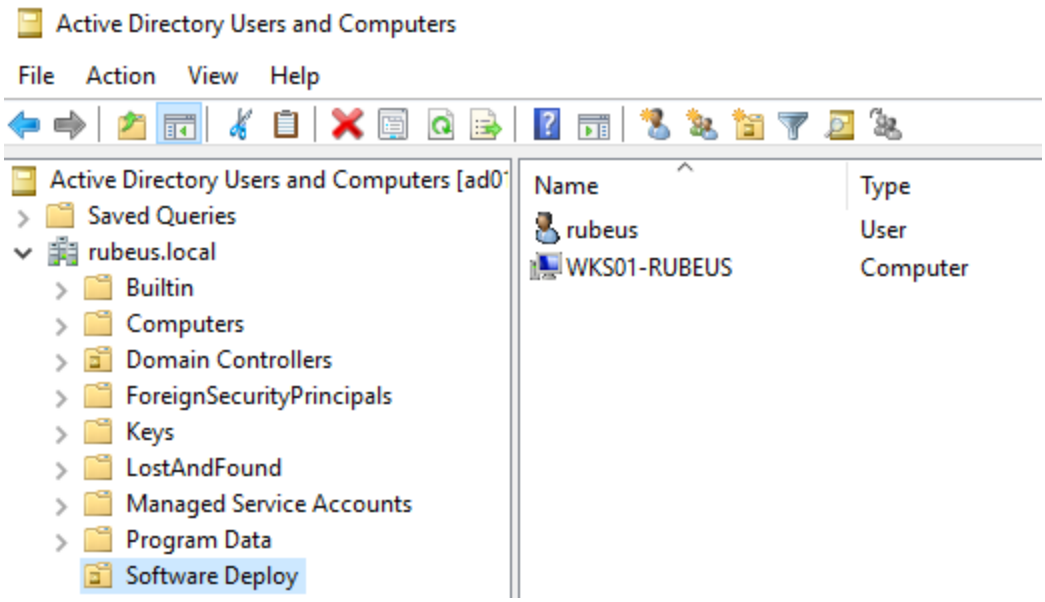
Before we get into configuring a Group Policy Object (GPO) within Active Directory (AD), let's set the AD stage to deploy a software package. Via AD Users & Computers, create a "Test OU".



For some fun … use Powershell on AD01 via MGMT01 to figure out how to create another OU called "Software Deploy", move WKS01 and your regular named account into it, and then delete the Test OU.

💡Depending on how you created "Test OU", you may need to take another step to delete it.

Your GUI display should look like the screen below:



`Deliverable 1. Screenshot showing only Powershell commands & output on AD01 via MGMT01:`

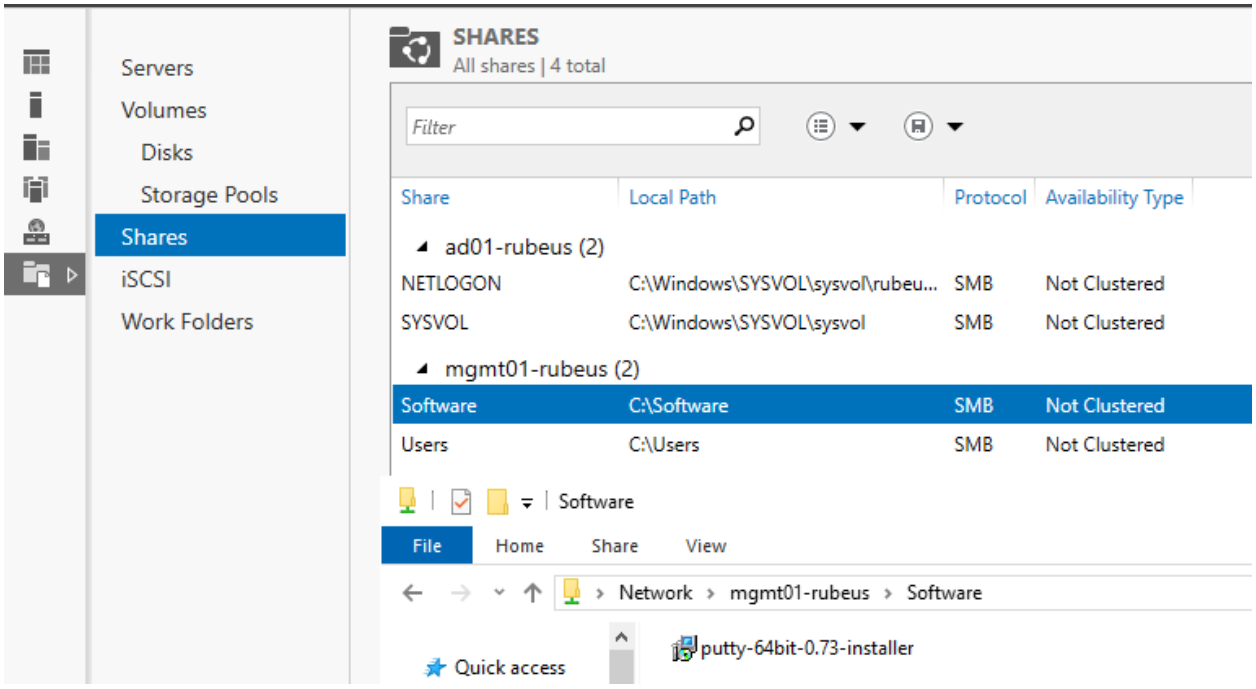
- `Creating another OU called Software Deploy under your domain.local`
- `Moving WKS01 and your regular named account into it, and then`
- `Deleting the Test OU`

Deploying Software via GPO

One popular GPO feature is deploying software across an AD domain.

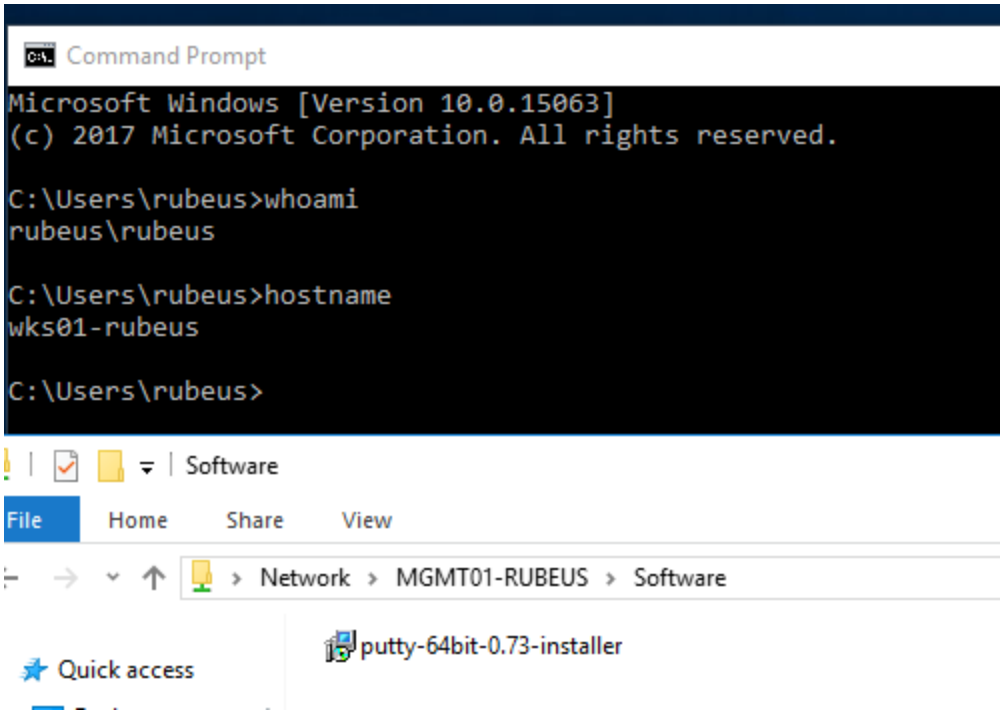
On MGMT01, download the current Putty x64-bit Windows Installer Package.

Next, create a Share on MGMT01 named ‘Software’ and place Putty’s .msi in it, so users and computers (via GPO) can access & install it shortly.

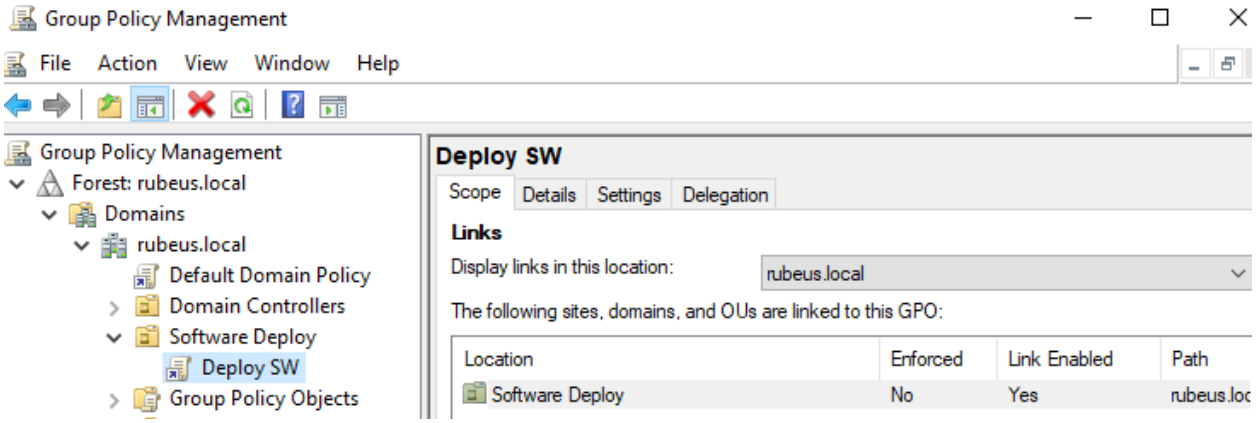


💡 Need a refresher on how to create & test shares? Here's a lab from an earlier semester's SYS255.

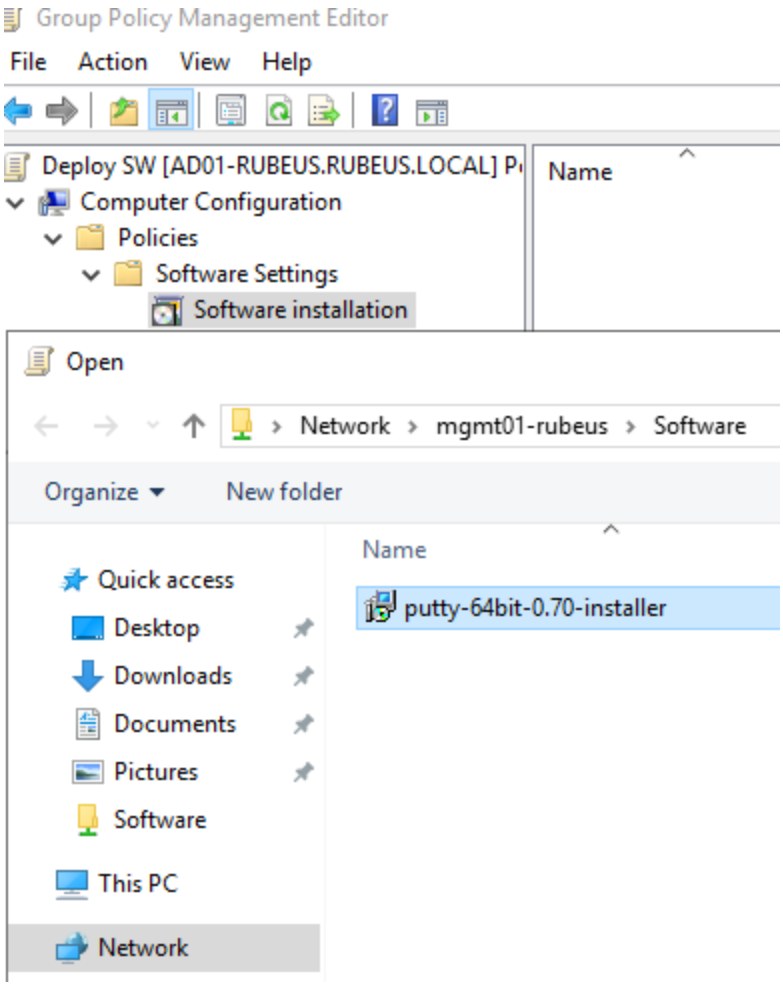
Deliverable 2. Screenshot showing WKS01 under regular named account, doing a quick test of the new Share on MGMT under your regular named account on WKS01 displaying regular account, hostname & share with Putty's .msi in it, as below:



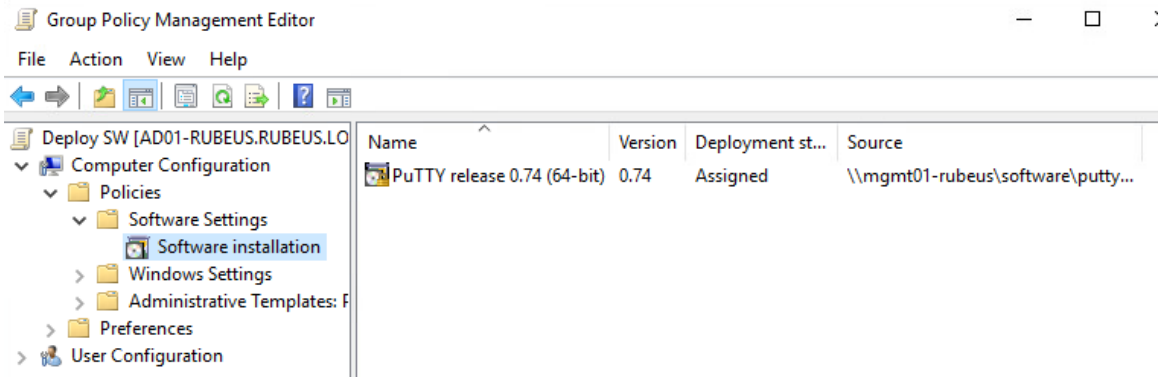
Via Group Policy Management feature on MGMT (You may need to install this), create a new GPO named ‘Deploy SW’ within the Software Deploy OU.



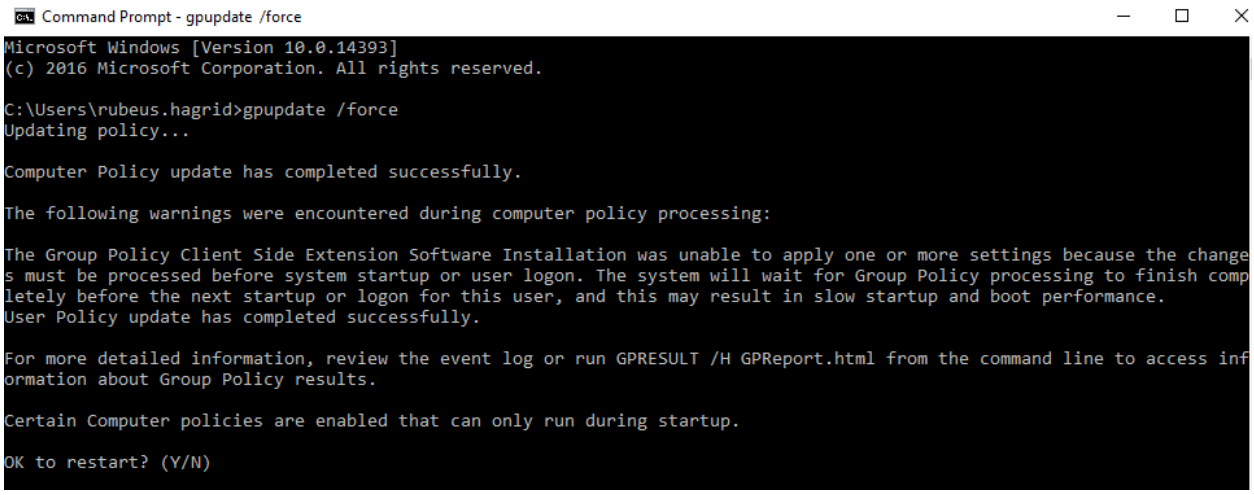
Edit the new GPO by creating a new Software installation, and assign Putty's .msi package to deploy.



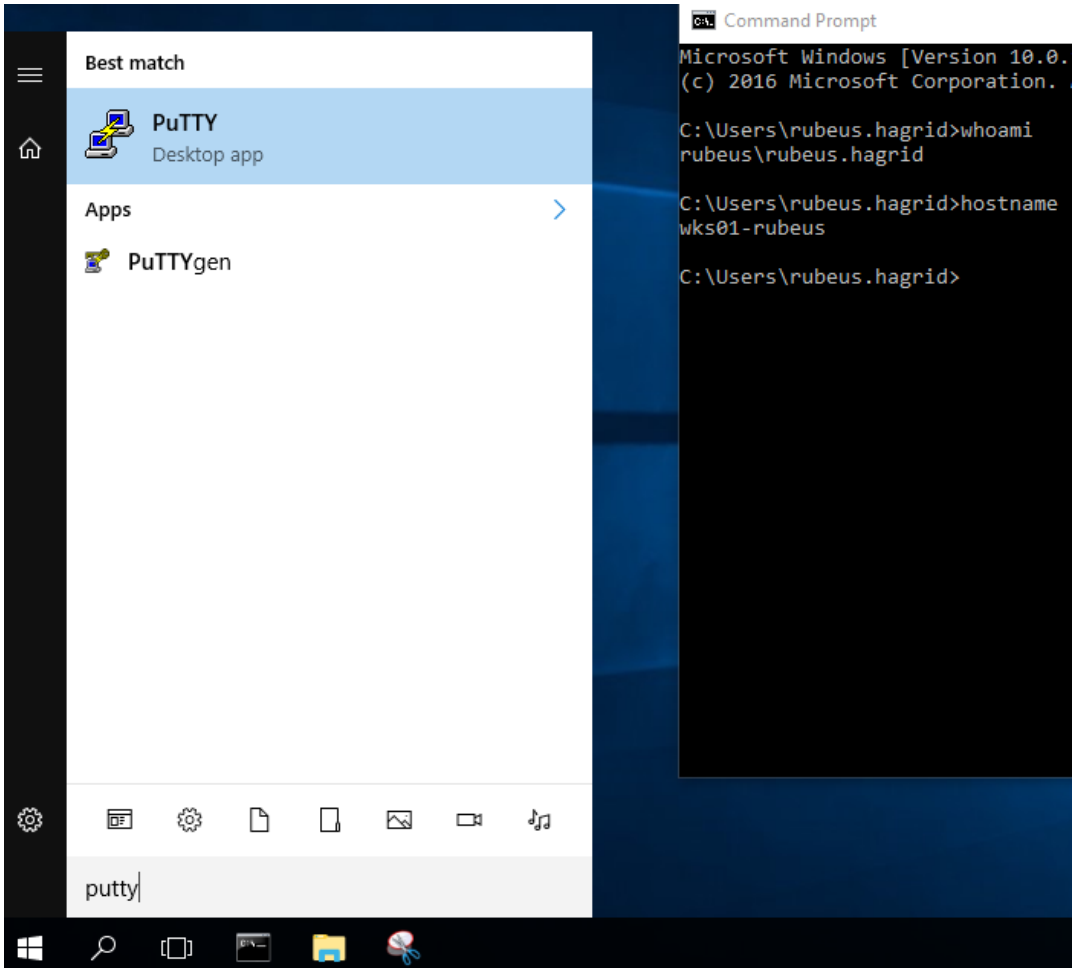
A completed assigned package should look like below. Then close the GPO Management Editor.



With the new GPO setting, run “gpupdate /force” on WKS01, and then allow the restart when prompted. As always, read the message MS provides to understand why.



Log on WKS01 under your regular named account, and voila ... your new GPO installed Putty.



Deliverable 3:

- One screenshot of Event Viewer using the GUI displaying the only single System information event log from the source Application Management Group Policy which validates "The install of application PuTTY release 0.78 (64-bit) from policy Deploy SW succeeded" on WKS01.
- One screenshot of Powershell displaying the only single System information event log from source Application Management Group Policy which validates "The install of application PuTTY release 0.78 (64-bit) from policy Deploy SW succeeded" on WKS01.

Deliverable 4. Provide a link to your Tech Journal that covers at least the following:

- Creating an OU via powershell
- Deleting an OU via powershell (and any issues)
- Moving Items to a new OU (via powershell or gui)
- Searching the Event Log using Powershell