AddUsers.ps1 Demonstration
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Introduction

In this demonstration I create ten new users in my personal domain with AddUsers.ps1. The script was executed within the domain controller of my Active Directory Home Lab.

Purpose

AddUsers.ps1 streamlines user creation within a domain by parsing through a txt file populated with the full names of new clients. Not only does it create multiple user accounts at once, but it can optionally be used to add users to existing groups on the domain simultaneously. This added versatility makes adding new users an even more swift experience.
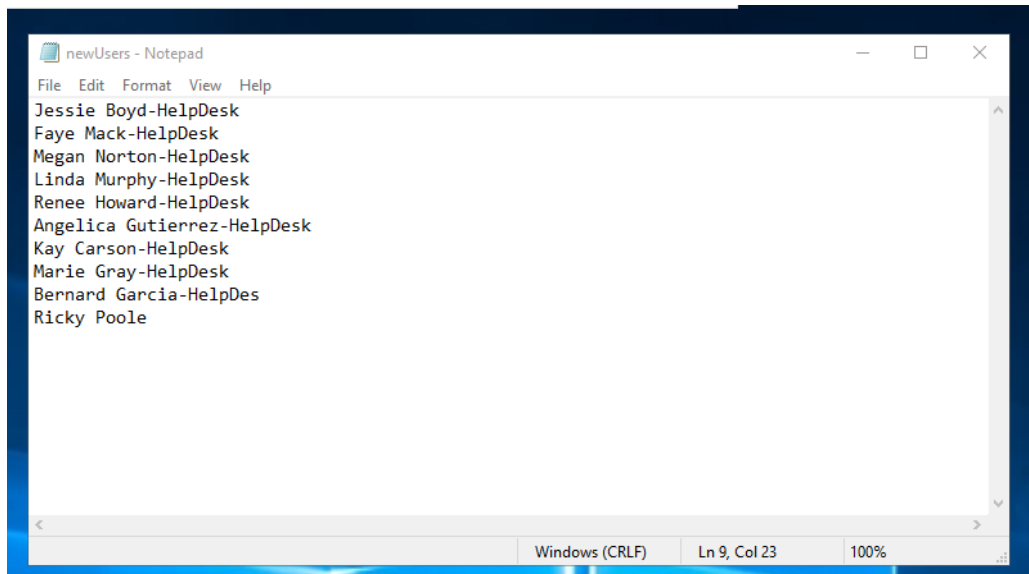
Execution

In the figure below, an Active Directory Users and Computers window displays an empty Organizational Unit(OU) named "_USERS". This OU will be used as the default location for our new users in this demonstration.
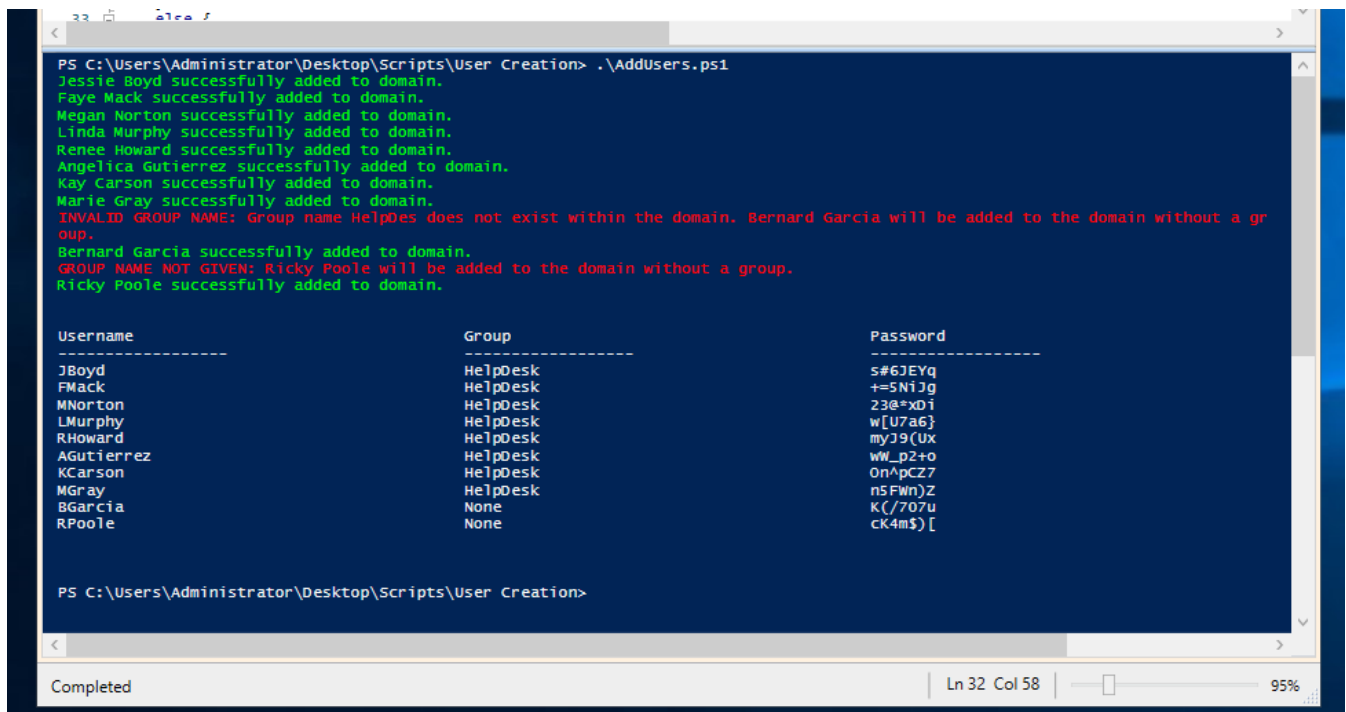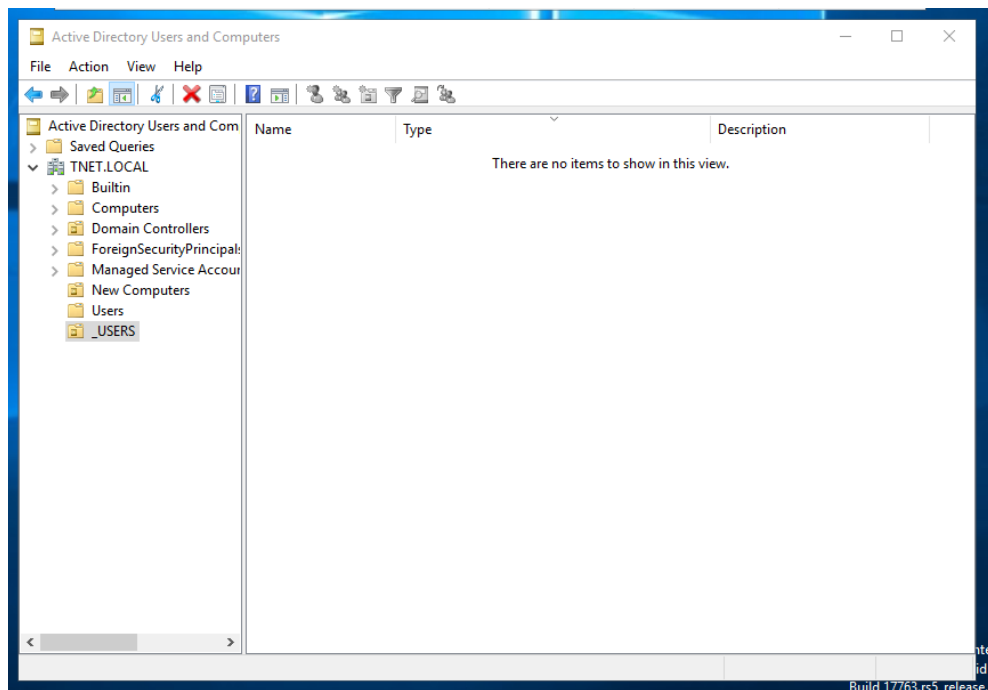

In order for this script to work a txt file titled "newUsers" must populate the same directory/folder. It's important the txt file follows a specific syntax as it will produce an error if not done right. Each client that's to be added must have their full name on a separate line in the document. Additionally, if any of the new clients need to be added to a group on the domain, include its

exact name next to the specific client with only a "-" separating the two. An example of how the txt file should look is below.

As you can see from the txt file used in this demonstration, I included one user's name without a group (Ricky Poole) and another one with a misspelled group (Bernard Garcia). This was done intentionally to show that AddUsers.ps1 will still fully execute and work around any missing or incorrect parameters. The script will simply add these two users to the domain without a group. The next figure shows a PowerShell console executing the script.

Once AddUsers.ps1 is executed, it begins to add each user from newUsers.txt one by one. The creation of each user is confirmed with green text that states the name of the user that was added to the domain. Two errors which are represented by red text are also displayed in the console. These errors will only appear in the event a group name is invalid or missing from the txt file. Even with these errors the script still adds both users to the domain. This is proven by the table that is generated after all users are added. You may notice the last two users in the table have their groups listed as "None", which serves as confirmation they were both not added to a group. The results of this script can be seen below.
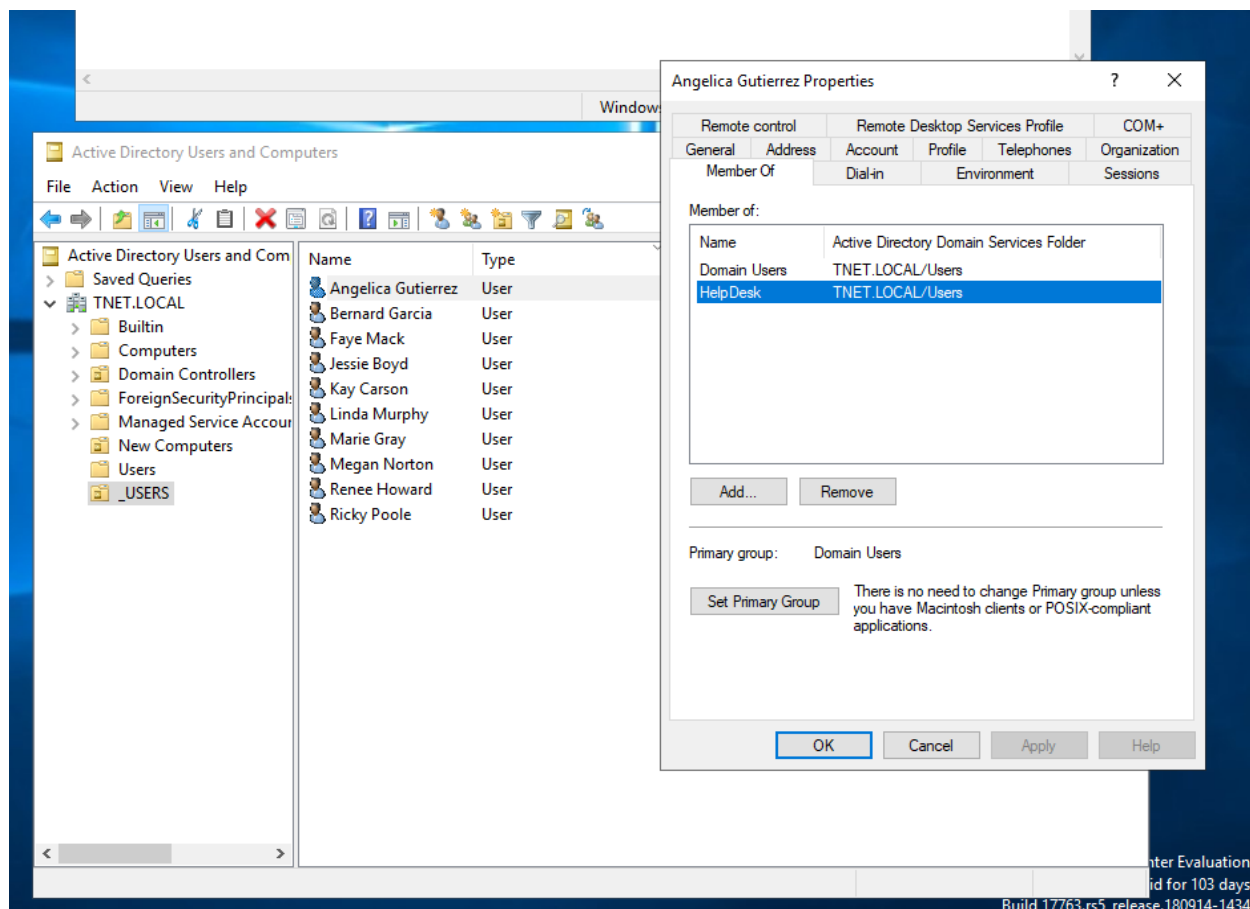
As seen in the figure, the "_USERS" OU is now populated with the ten users from newUsers.txt. To verify that each user was added to their respective group a properties window for the user Angelica Guitierrez shows she is a member of the "HelpDesk" group, which was specified in the txt file. This proves AddUsers.ps1 was successfully executed and performed its tasks without fail, which demonstrates that it can act as a practical solution for mass user creation.