MultiPassReset.ps1 Demonstration
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Introduction

In this demonstration I reset the passwords of five Active Directory users simultaneously with MultiPassReset.ps1. The script was executed within the domain controller of my Active Directory Home Lab.

Purpose

MultiPassReset.ps1 allows admins to quickly reset the passwords of multiple users with only a txt file populated with their usernames. Manually performing multiple password resets requires an admin to type in a new password for each user, which can take up their time. In order to make this process more time efficient my script will automatically generate new passwords for each user specified by an admin.

Execution

It can be observed in the screenshot below that there are ten users in an OU named "_USERS" on my domain. My goal in this demonstration is to reset five of the ten users passwords with MultiPassReset.ps1.
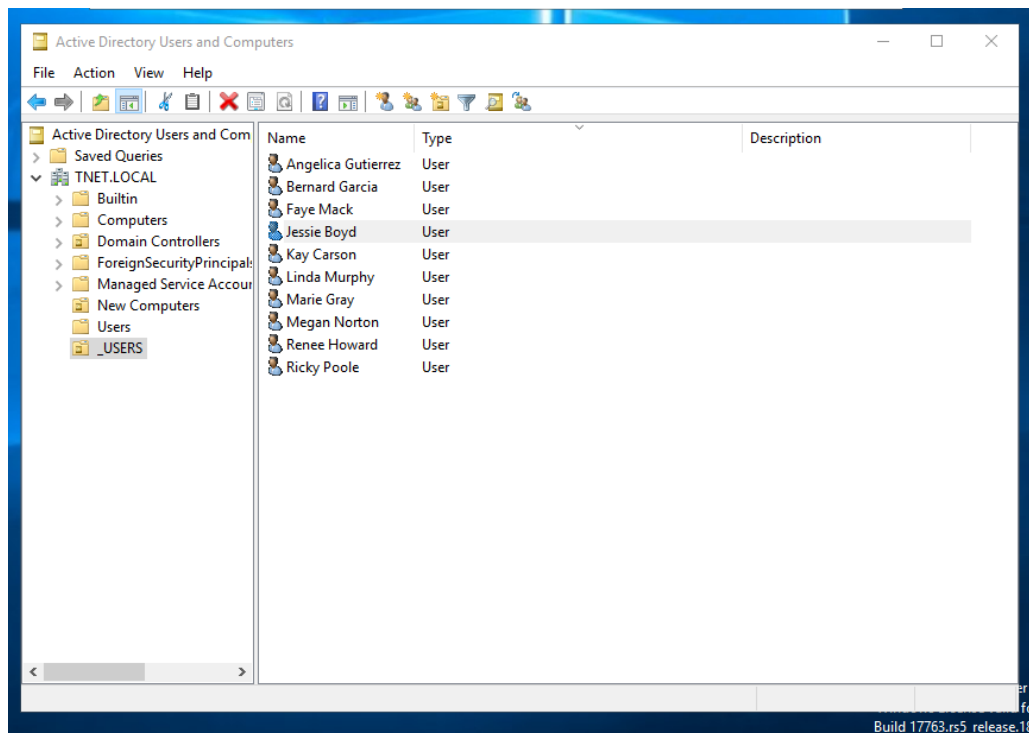
In order to specify which users are to have their passwords reset, a txt file named "users" must contain the usernames of each account and be in the same directory/folder as the script. The txt file used for this demonstration can be seen in the next screenshot.
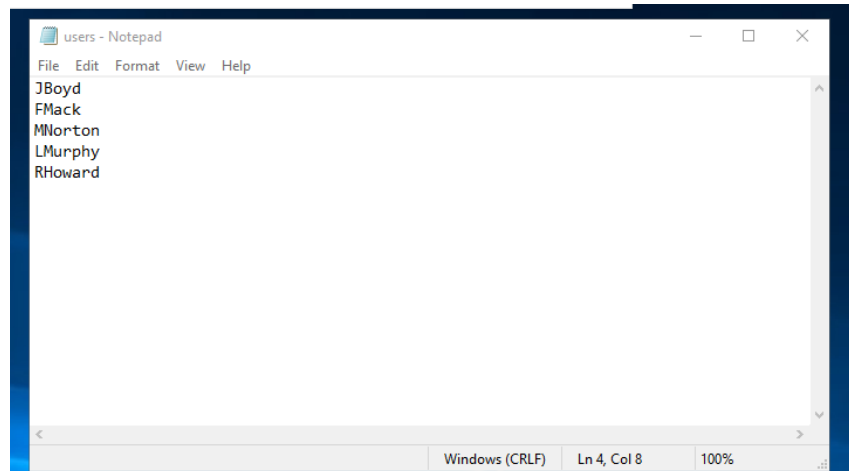
As long as one username populates users.txt, the script can be executed. Once it starts, MultiPassReset.ps1 will parse through the txt file one username at a time and reset the account passwords they belong to. New passwords are generated randomly and forced to follow the domain's password policy. It also forces each user to change their password next time they log on. After it's done running the script will then print a table with all the new passwords onto the console. The screenshot below shows my results.
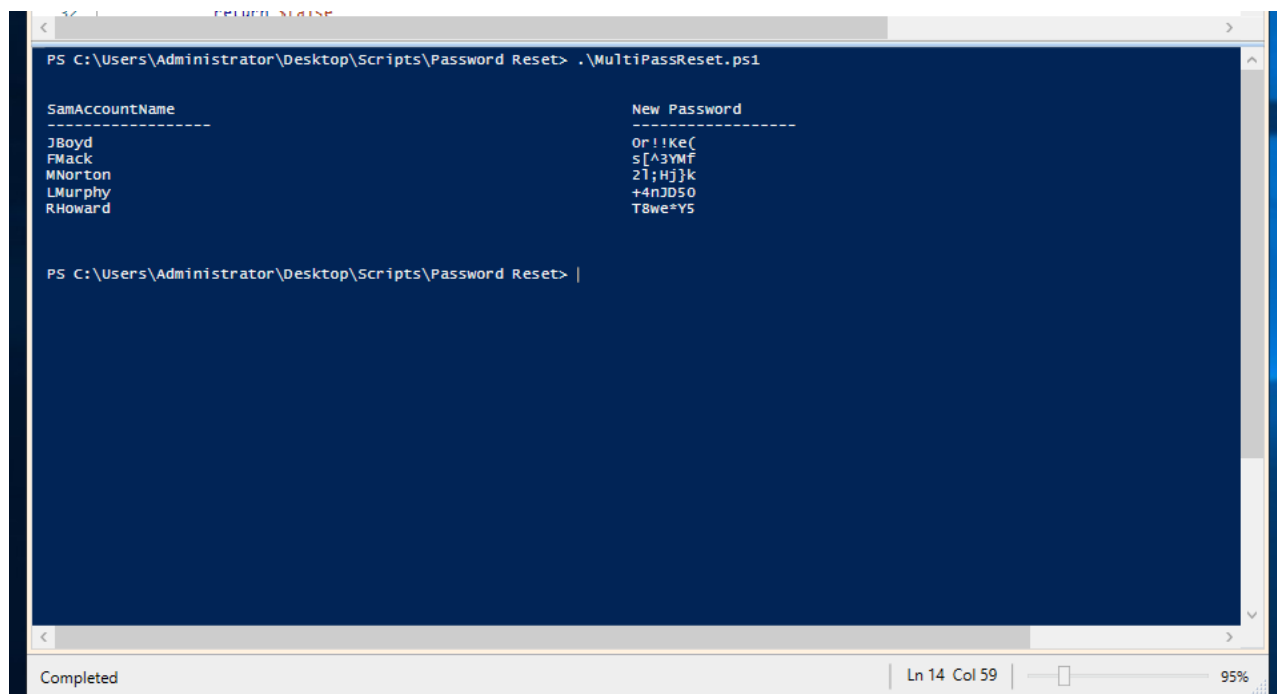
After successfully running MultiPassReset.ps1, I was able to confirm the passwords were reset by logging in as the user JBoyd on one of my client virtual machines. After logging in as JBoyd with the new password "or!!Ke(", I was immediately prompted to create a new password for the account. The screenshot below shows me in the process of creating a new password for JBoyd, which verifies the script was successful.