

PassReset.ps1 Demonstration

Written by: Thomas Dominach Jr.

Introduction

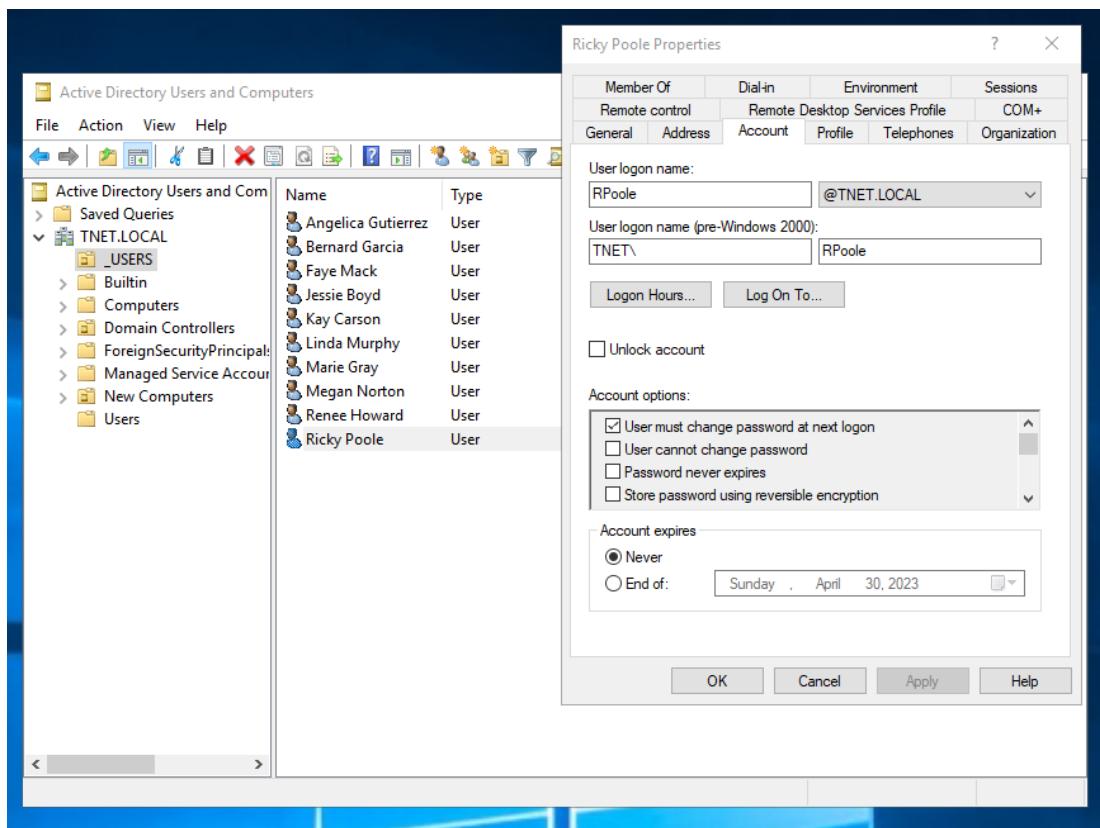
In this demonstration I reset an Active Directory user's account with PassReset.ps1. The script was executed within the domain controller of my Active Directory Home Lab.

Purpose

PassReset.ps1 automates the process of a password reset in Active Directory. Instead of manually writing a new password for a user, this script will generate a new random password for the user. It will also force the user to change their password next time they log on. This allows admins to perform a single password reset effortlessly.

Execution

For this demonstration a user on my domain named Ricky Poole will have their password reset by the PassReset.ps1 script. Their credentials can be seen in the image below.



The only parameter that's needed for the script is a user logon name. Once executed in the PowerShell console, a prompt will ask for a valid username. In this case "RPoole" will be

entered for Rick Poole. After the username is entered, the script will validate the input by checking the domain for the user's account. Since RPoole is a user within my domain, PassReset.ps1 will generate a random password and set it as their new password. It also forces Rick Poole to create a new password next time they log in. At the end of the script the new password will be printed onto the console, so it can be provided to the user. The results of PassReset.ps1 can be seen below.

```
PS C:\Users\Administrator\Desktop\Scripts\Password Reset> .\PassReset.ps1
This script will perform a password reset for a client's user account. Follow the prompt to continue.
Enter client's username: RPoole
Password Reset successful!

Username ----- New Password -----
RPoole          rV]B6}m

PS C:\Users\Administrator\Desktop\Scripts\Password Reset>
```

Completed | Ln 9 Col 67 | 95%

The script is confirmed to work when I log in as Rick Poole on one of my client virtual machines. After entering the new password a prompt stops me from going further and forces a password change. This can be seen in the images below.

