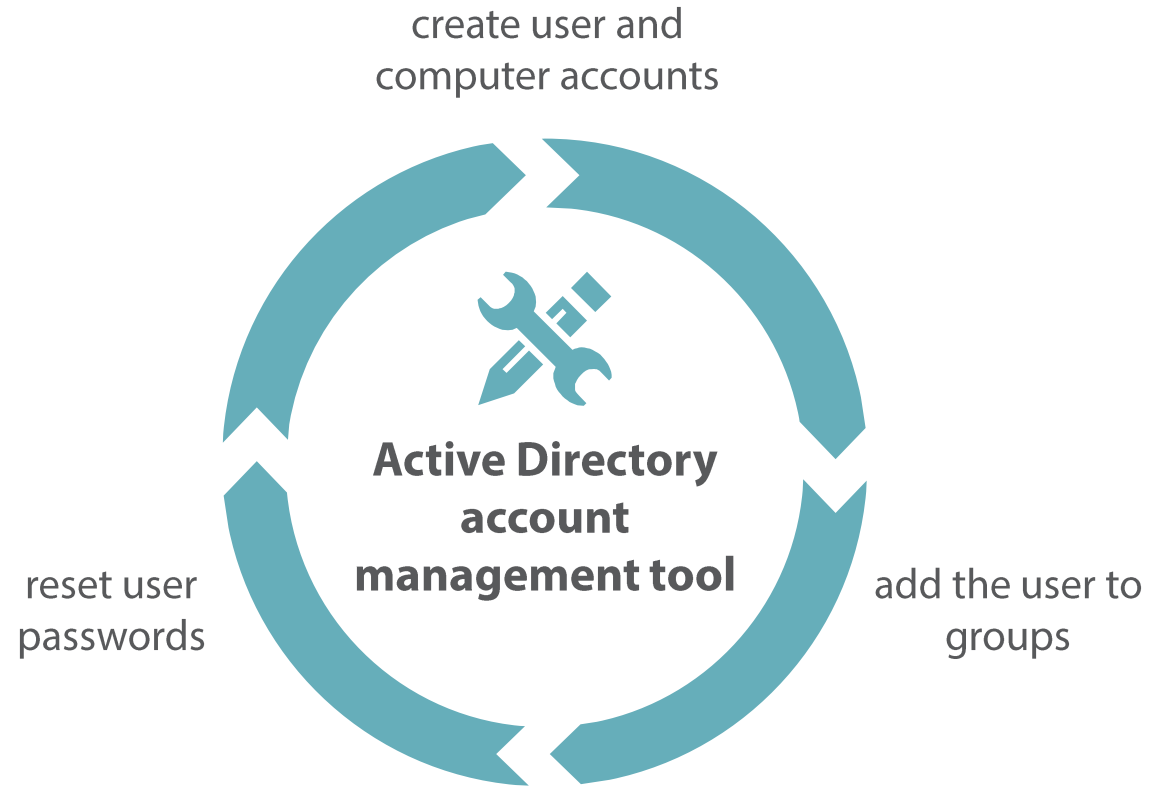# Tool #1: Active Directory Account Management Automator

Adam Bertram

adamtheautomator.com | Twitter: @adbertram

Tool Overview

create user and
computer accounts

Active Directory
account
management tool

reset user
passwords

add the user to
groups

Tool
#1

Control the entire user and computer account lifecycle

The Active Directory PowerShell Module

Load PowerShell Active
Directory module

Windows Server

This is included with Microsoft's Remote
Server Administration Tools or RSAT

RSAT is a group of Windows features that allows
you to remotely manage various services

Forget Active Directory Users and Computers (ADUC)

Active Directory Users and Computers or ADUC

Create Modify Delete

With PowerShell, you can easily remove 1, 10 or 10,000 objects in Active Directory

Why ADUC Wastes Your Time

ADUC wastes an admin's time !

- ✓ Need to navigate multiple OU levels

- ✓ Need to click through numerous wizards to make a change

- ✓ Difficult to change single attribute on multiple objects

The Corporate Standard for New Users

1. Must contain the employee's full first and last name, middle initial and title.

2. The username must be the first initial and last name of the employee. If that is taken then it must be the first initial, middle initial and last name. If that's taken, it will have to be looked at manually.

3. Must be created in a certain OU.

4. Must have a default password that's set to be changed on first login.

5. Must be member of a company-wide group

Onboarding New Employees In AD

Tool that creates users and computer accounts
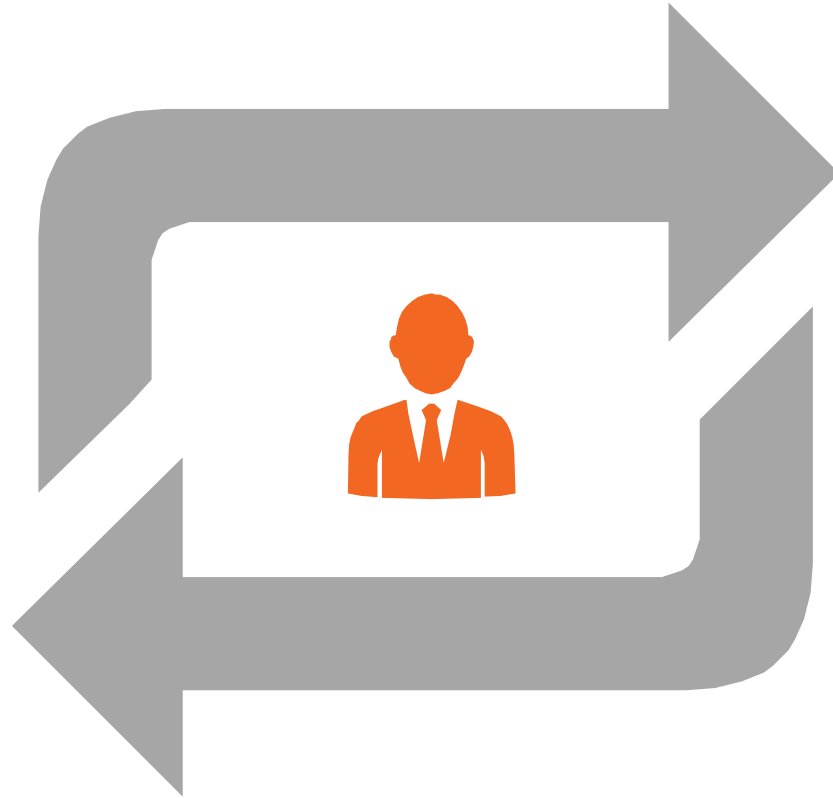
manually via the PowerShell

via a CSV
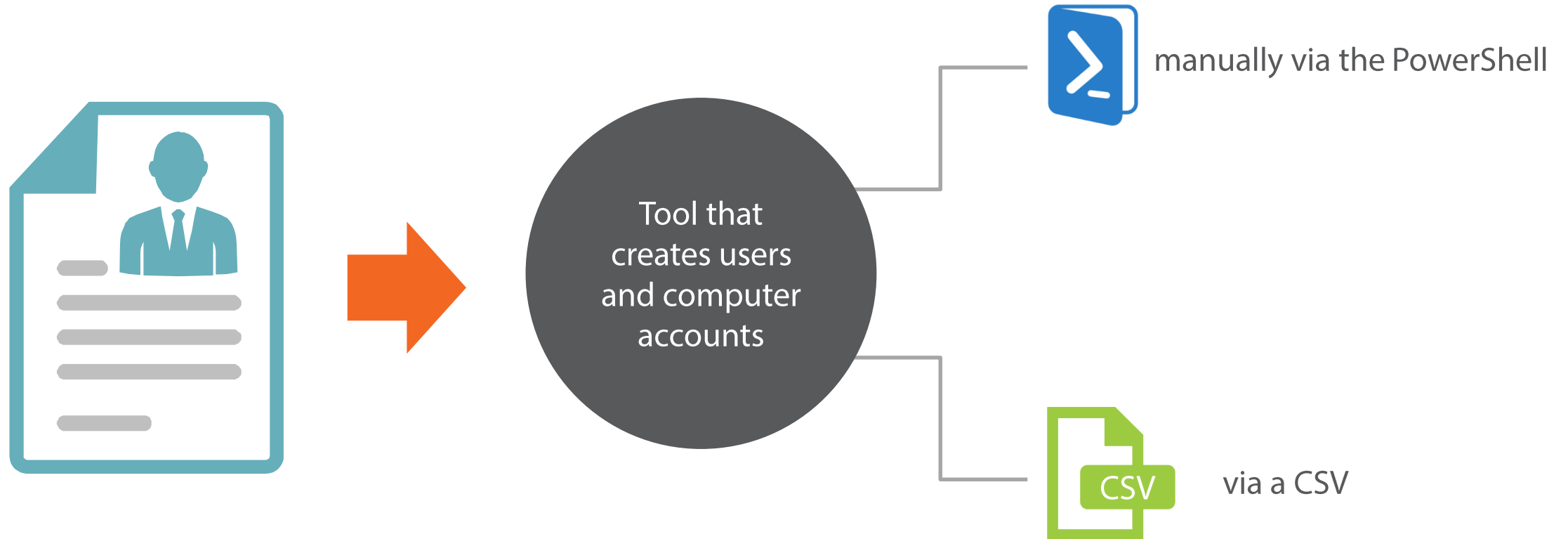
Creating a Computer Account

- ✓ The computer account in Active Directory has to be created ahead of time before the computer is actually added to the domain

- ✓ The computer account must be created in a default OU

Ongoing Account Maintenance

One-stop shop for Active Directory account maintenance
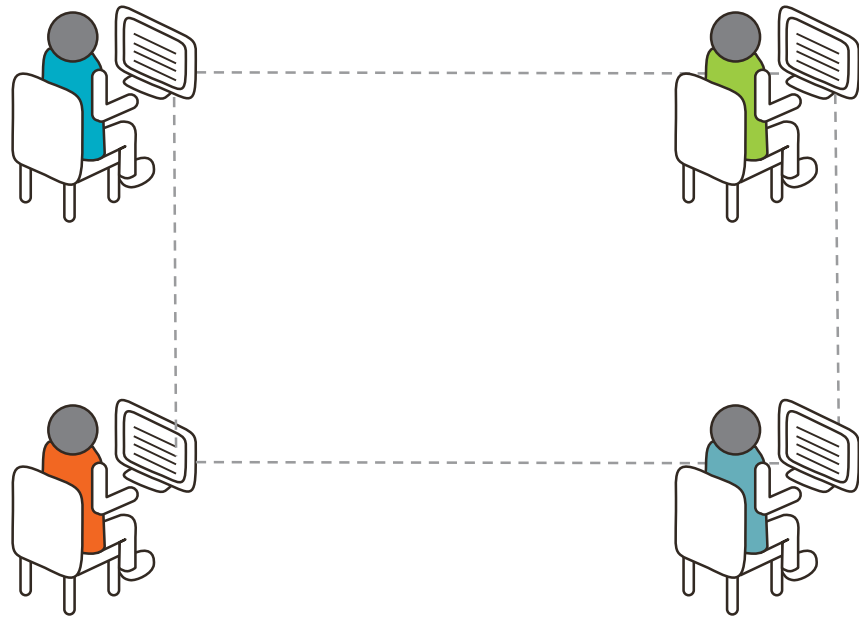
Changing Passwords and Updating Names

Reset Password
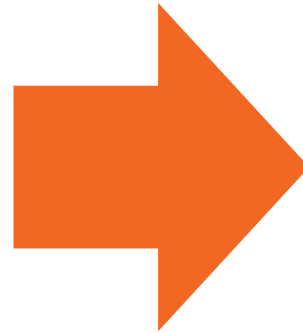
Julie R_

Update Name

Changing Computer Attributes

Need to change attributes of
domain-joined computers

Building the Tool Set

A bunch of disparate scripts

PowerShell functions

- ✓ Cohesive and reusable
- ✓ Transferrable / shareable
- ✓ Function-format

Takeaways

GUI management tool

 - Takes up more time
 - Prone to human errors

PowerShell tool

 - Large time spent upfront but shorter time in the long run
 - Robust and reusable

Always code the tool with expansion in mind

pluralsight

Summary

onboarding

managing

removing

Manages the entire lifecycle of both an Active
Directory user and computer account