

Use PowerShell to Control & Automate Just About Everything!

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Technical Evangelist
Pure Storage

Level: Intermediate

Session Survey

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Mike

- 35+ years in tech
- Technical Evangelist @ Pure Storage
- Experience from Helpdesk to Architect
- Scripter, not a coder
- Passion for community, teaching, learning
- Beer, BBQ, & Gadgets

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Session Materials

<https://mikenelson.io/urls/tm2024>



Agenda

PowerShell, Automation & Foundational Concepts

Automate Everything?

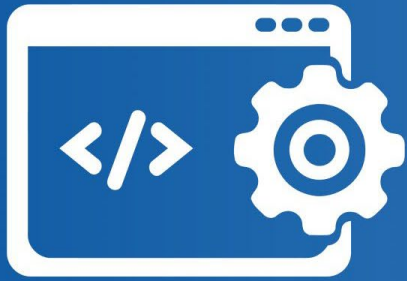
Accelerating your code creation

How do we automate tasks as IT Admins?

Why do we use PowerShell as IT Admins?

Automate and control everything??

Well, if it has an API, sure.



API



SDK

Let's look at an API spec and decipher it a bit.

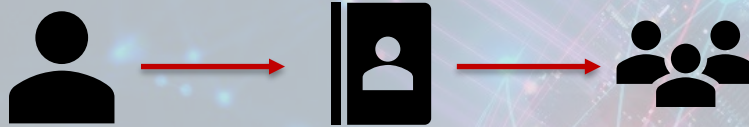
Then, we'll look at a SDK for that API.

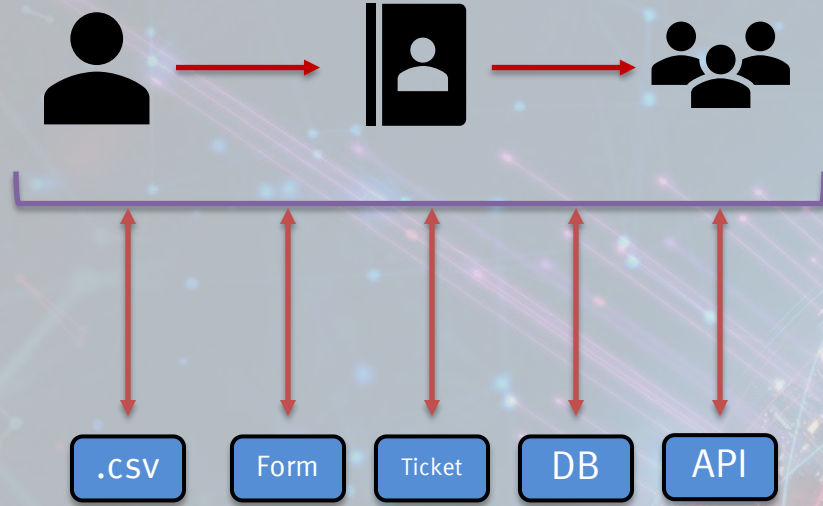
4 Foundational Concepts for Using Automation in IT

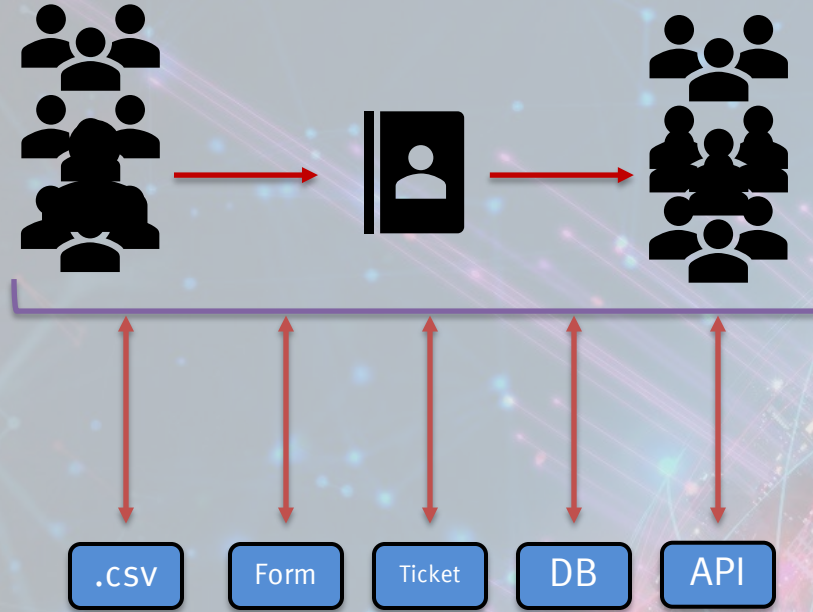
1. Make my job easier
2. Do more with less
3. Remove human error
4. Focus on the good stuff

Simple task to full automation

Add a user to Active Directory & add to a group



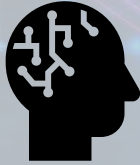




Different ways to innovate, create, & use automation



scripts
one-liners
functions
modules



ChatGPT
Copilot
?-AI

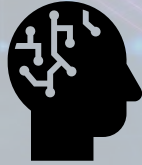


Web Apps
Power Automate
Vendor automate
APIs

Different ways to create & use automation



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Web Apps
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Remember the 4 fundamentals.

If it takes longer than 5 minutes to do, automate it.

There are many, many ways to automate.

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