

# Creating Automation with APIs and PowerShell

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# API Refresher

- HTTP Methods (GET, POST, PUT, DELETE, PATCH)
- Request & Response Structure
- Status Codes - "404" [Even APIs have shitty days!]
- Authentication - "No API Token, No Entry!"

# API Refresher



IT'S JUST A FLESH  
WOUND!



“None shall pass”

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# Why use PowerShell?



- Native Cmdlets: Invoke-RestMethod, Invoke-WebRequest
- Efficient JSON handling
- Powerful data manipulation via pipelines
- Built-in error handling and logging

# RestMethod or WebRequest?

- Invoke-RestMethod
  - Quick & easy REST calls without overhead or extended responses
  - Parses json to objects
- Invoke-WebRequest
  - Full service HTTP/HTTPS/FTP/FILE with headers, extended data, etc.
  - Returns raw responses

# Tips

- Secure your creds! Use environment variables or vaults.
- Validate API responses.
- Don't forget error handling.

# Takeaways

- PowerShell excels in API automation.
- Don't need the kitchen sink in response? Use RestMethod.
- "Friends don't let friends automate blindly."



# THANK YOU

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GIFT. PLEASE  
REVIEW THIS  
SESSION

