MSFT Love Linux:
An Automation Story

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What does that mean?

- PowerShell on Linux and MacOS
- PowerShell open source software
  - On GitHub
  - MIT License
- One codebase for all OSes

History

- Services for Unix
- Documents vs APIs
- A | B | C
- Get object , process object , output results as text
- Single tool to span ad hoc admin scripts to production developer scripts

PowerShell

- Scalable, distributed, heterogeneous automation/configuration engine with
  - An interactive shell
  - A scripting language
  - A rich ISE for authoring, debugging

PowerShell PoV

- High level task-oriented abstractions
- Optimized for structured data, objects, and converting from unstructured data
- Glues messy, disparate, real-world systems together
- Supports a broad range of programming needs/styles
  - ✓ Interactive shell
  - ✓ Simple batch scripts
  - ✓ Advanced scripting
  - ✓ System programming
  - ✓ Meta programmable

PowerShell in action

Value Props

- For **existing PowerShell users**: it allows you to manage your Linux and Windows systems from any computer (Linux, MacOS, or Windows).

- For Management Products, it provides a single management stack to manage anything from anywhere (Windows or Linux).

- For **application developers** it provides a framework where a small amount of code can be transformed into a rich, scalable, distributed, heterogeneous automation/configuration capability.

- For **Linux users**, it provides another tool in the tool chest.
  - It works well with your existing tools and is optimized for dealing with structured data (e.g. JSON, CSV, XML, etc.), REST APIs, and object models

Call to action

- Visit PowerShell repo @ https://github.com/PowerShell/PowerShell today and try it out!

- Submit issues to help us get it right!

- Check out 'help wanted' on GitHub!