

PowerShell on macOS

John Welch

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John Welch

I've been a part of the Mac IT world since the late 1990s



John Welch

I may have had some opinions
on installers, automation, and
user interface



John Welch

Once or twice



John Welch

Today's topic:
PowerShell on macOS



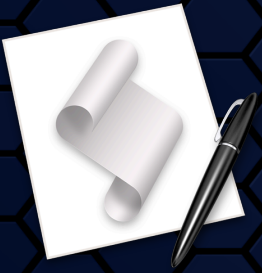




Yes, PowerShell



Unclassified/Unlimited Release - Internal Only



“Research has established pretty firmly that diverse groups of people are better at innovation and problem solving, but more recent research is finding that diverse career histories within a single person can also benefit performance.”

Background:

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- Works with .NET 6.X/7.X

Versions

LTS: 7.2.X

Stable: 7.3.X

Preview: 7.4

On both Intel & Apple Silicon

Supported OS Versions

Intel: macOS 10.13+

Apple Silicon: macOS 11+

<https://github.com/PowerShell/PowerShell>

Also available via homebrew

Differences from Windows:

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- No application scripting
- Not a shipping component of macOS

There is a *lot* of built-in functionality
A lot of Azure/AWS modules
Remoting via SSH

Integrates well with shell and AppleScript/OSA

A fairly large number (> 700) of PS modules for macOS
<https://www.powershellgallery.com/packages>

Very portable

basically, 100% of your powershell install is in /usr/local/microsoft/powershell/<version>

Very extensible

get-computerinfo demo

Understands a wide variety of data types

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- CSV/TSV
- REST API data
- JSON / XML
- Built-in object types
- Multiple list/array types

Inherits .NET functionality

Syntactically similar to C#, but
also incorporates Unixisms

Excellent documentation

The PowerShell community is
highly supported by MS

Cross-Platform

Consistent, easily-learned syntax

Free cross-platform IDE

Links

- <https://github.com/PowerShell/PowerShell>
- <https://docs.microsoft.com/en-us/powershell>
- <https://devblogs.microsoft.com/scripting>
- <https://devblogs.microsoft.com/powershell-community>
- <https://bynkiidotcom.wordpress.com/?s=powershell>
- <https://github.com/johncwelch>

Q&A

Thank you!