

Sources of help

LETTES TESTAMENT RECOR

RECORD
LETTE

.NET reflection

Comment-based help for scripts

Static XML files that ship with the module

MAML-based

help

Can be updateable if you design for it

Only way to document cmdlets in compiled modules

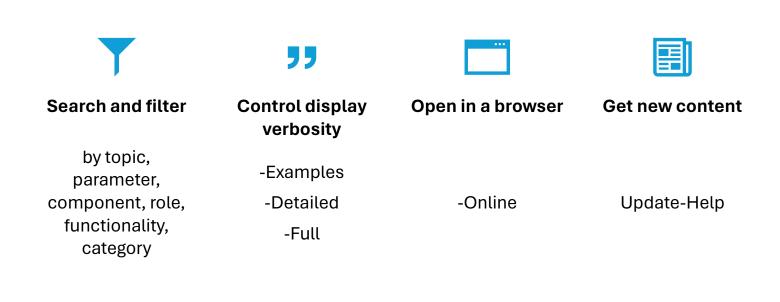
Difficult to create

Gives basic syntax and parameter information when no help available

Documentation lives in the source code of the script

Order of precedence

Features of Help







Supporting Update-Help

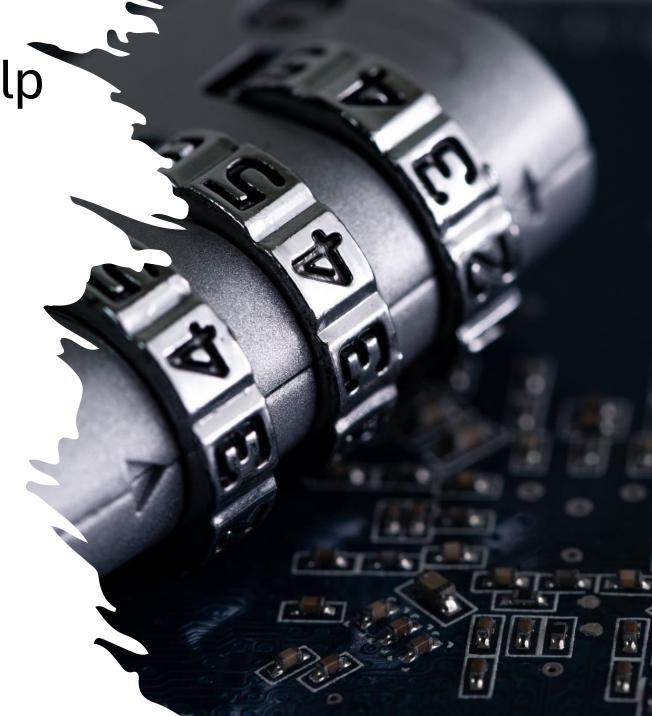
Got to have the right combination

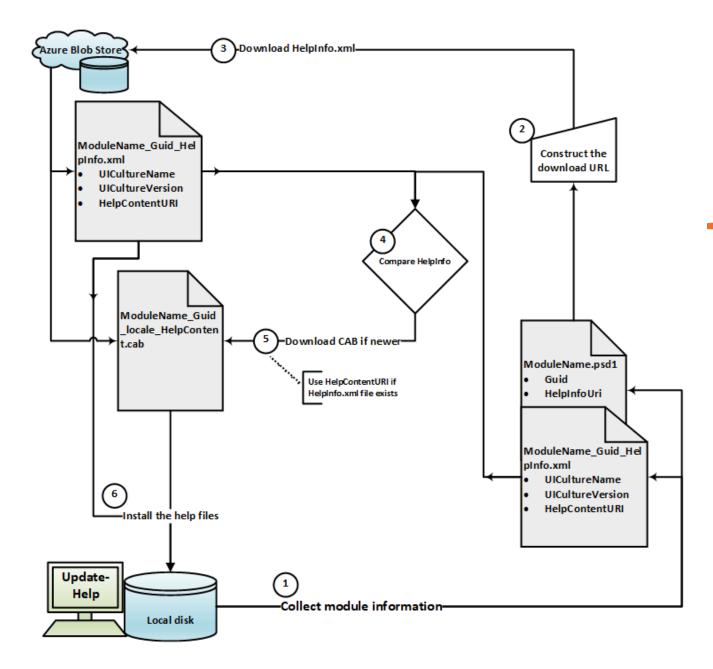
Difficult to create assets

- MAML files containing help content and metadata
- Package MAML files in a CAB/ZIP
- Create a HelpInfo Xml file to match CAB/ZIP package

Host the files in a web service

 Web service endpoint defined in HelpInfoUri property of the module manifest (.psd1)





Update-Help process

Update-Help Logic flow

- 1. Get module information from module manifest and HelpInfo.xml (if available).
- Construct the download URLs from the module info.
- Download the HelpInfo.xml
- 4. Compare local help version to downloaded version.
- 5. If local version is older, download the HelpContent.cab.
- 6. Unpack the CAB and install the help files

Platypus – a strange looking mammal

- One of five monotremes mammals that lay eggs instead of giving birth to live young
- One of the few species of venomous mammals venomous spur on hind foot
- It senses prey through electrolocation





PlatyPS – A tool for PowerShell MAML

- History
 - Started as a hackathon project
 - Used in production but no code owner for years
 - Lots of bugs and quirks
 - Working on a rewrite but progress is slow
- Why use it?
 - Easiest way to create and author help
 - Write in markdown compile to MAML
 - Create package for Update-Help

PlatyPS Workflow

- 1. Import-Module
- 2. Create new markdown files (cmdlet and module)
- Edit markdown files to add descriptions, examples, links, notes, etc.
- Compile markdown into MAML
- Test the MAML
- Create the module help CAB/ZIP and HelpInfo XML files.
- 7. Publish CAB and XML to web service

PlatyPS Workflow

