

Use Modules to Create a Tool Belt



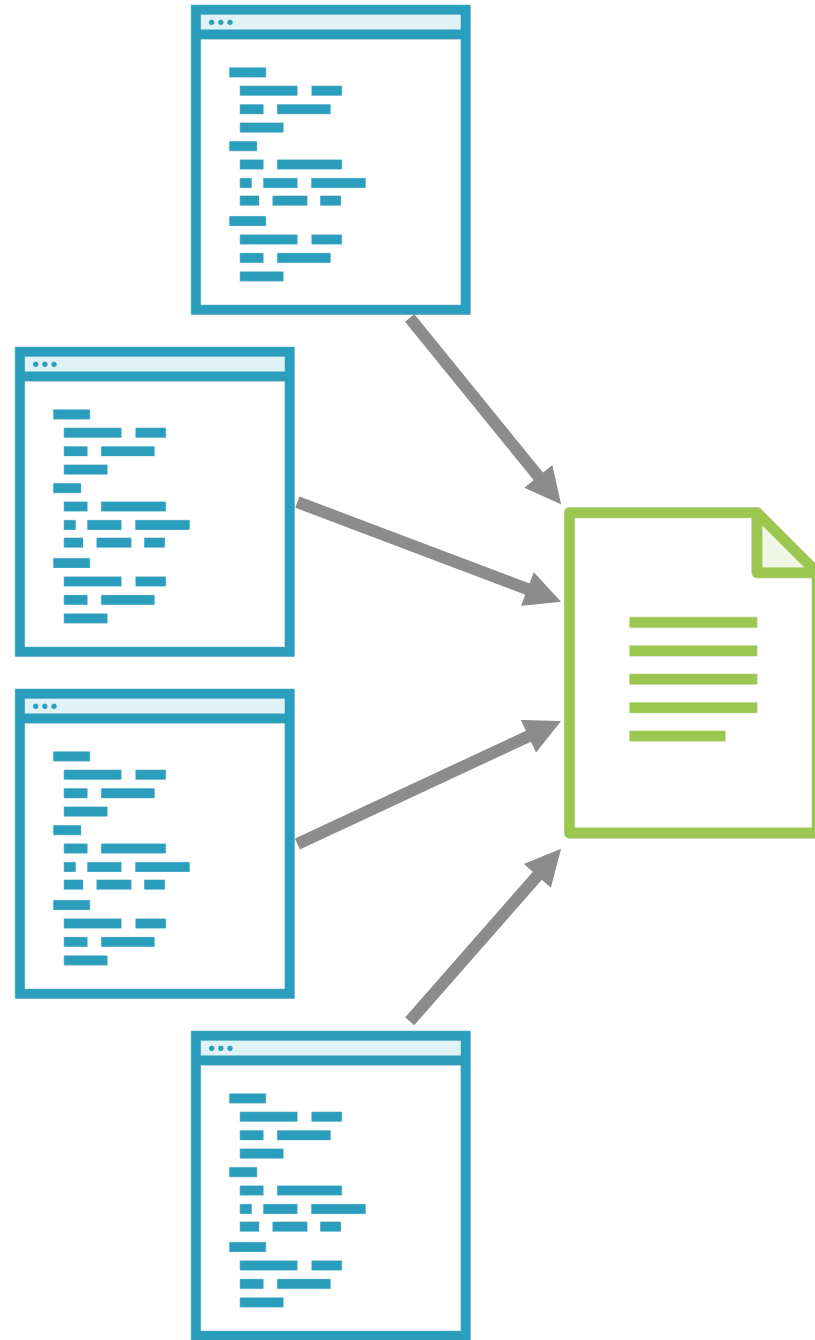
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What's a Module?



A grouping of like functions contained in a single file

Typically created around a central application

Shareable

Types of Modules



Script

PSM1 file extension

**Simplest and most
often used**

Binary

**Created by
software developers**

**Compiled code
presented as a
DLL file**

Manifest

**Script module with an
associated manifest**

PSD1 file extension

Dynamic

**Never exists as a
file at all**

On-the-fly in code

**Perform ad-hoc
functions
inside scripts**



Creating a Manifest Module

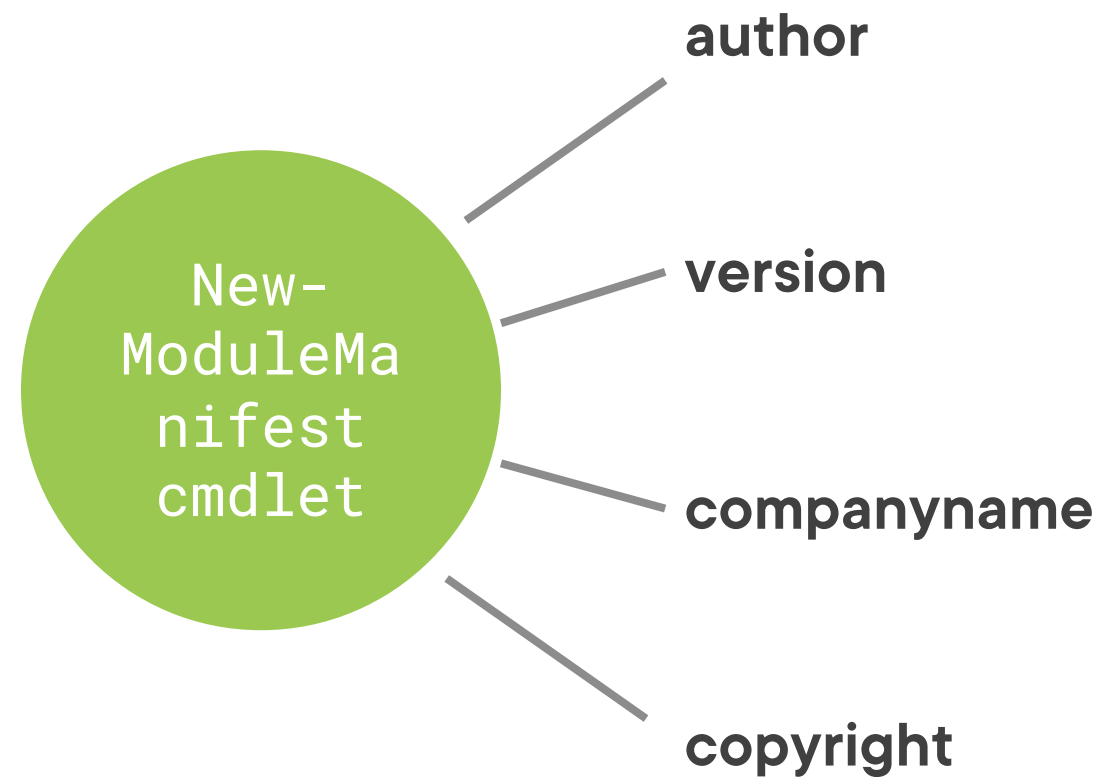
**Create a text file with
a PSM1 extension**

Create functions

Create the manifest



What's a Manifest?



A hashtable that includes information about a module

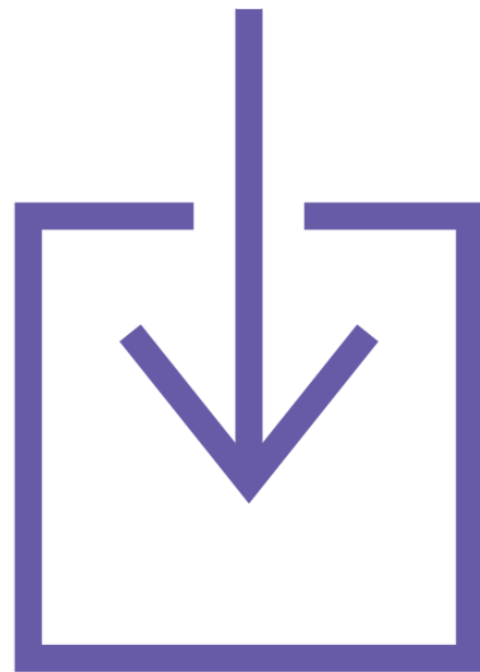
A PSD1 file

Optional

Placed in the same folder as your PSM1 file



Using Your Module



Import



Run functions



Module Summary



**PowerShell module
creation**



Module manifests

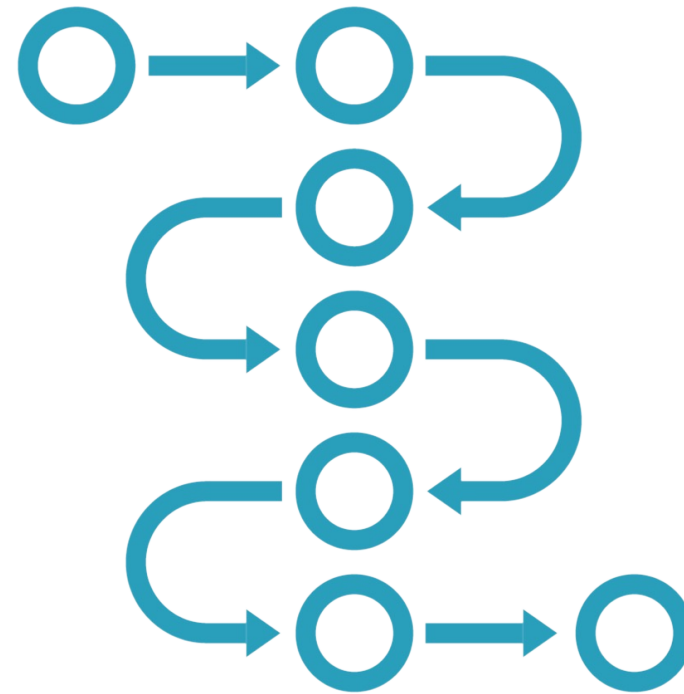


**Importing and
using modules**

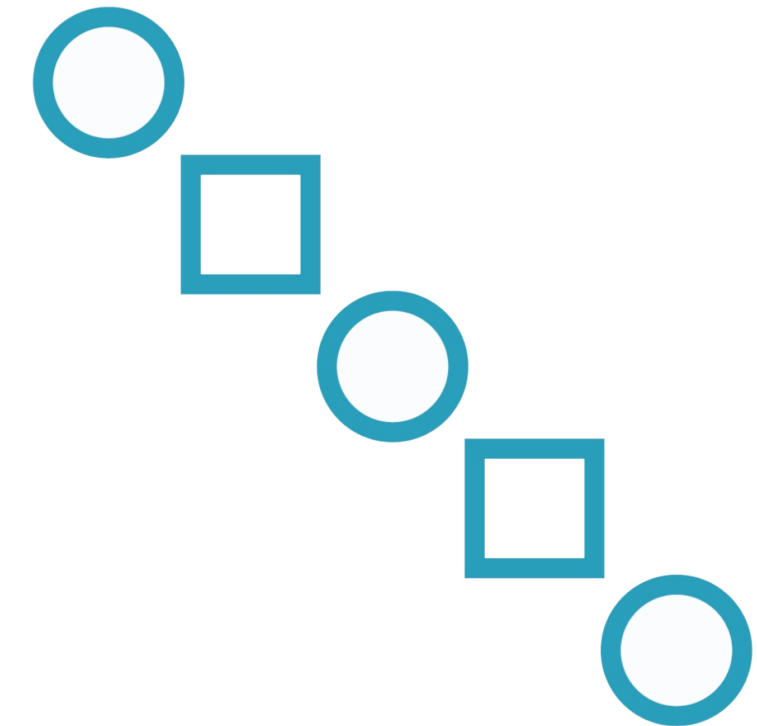
Course Takeaways



**Build with
expansion in mind**



One tool – multiple uses



Look for patterns