Working with Objects

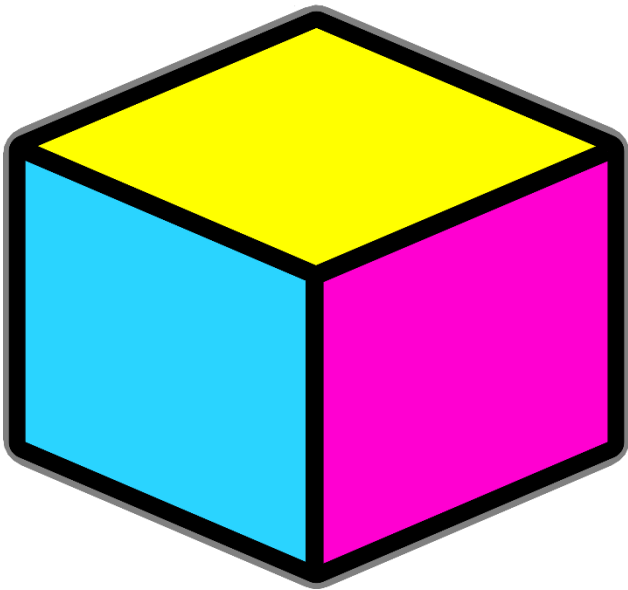**Jeff Hicks**

AUTHOR ~ TEACHER ~ SENSEI

@jeffhicks   http://blog.jdhitsolutions.com
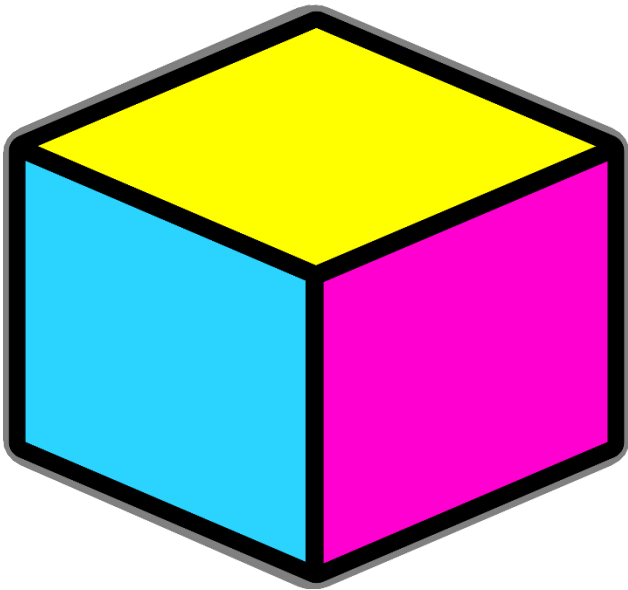
Objects in PowerShell

PowerShell works with objects in a pipeline

Cmdlets output objects

Cmdlets can accept objects as input

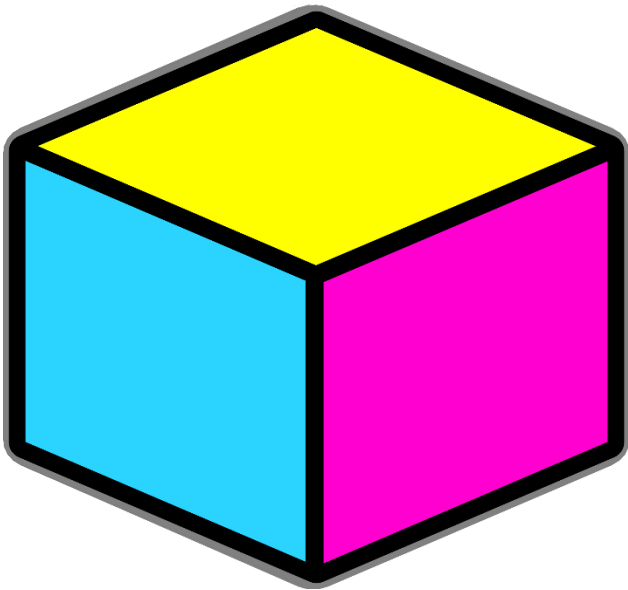**PowerShell has cmdlets to work with objects**

Objects in PowerShell

Objects have properties
- Describe the object
- Some may be read-only
- Some may be modifiable
- Often exposed via parameters
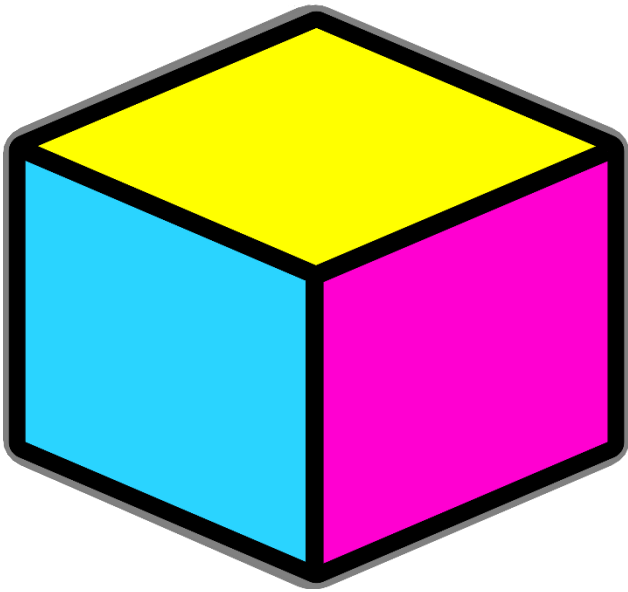- Not every property is displayed by default

Objects in PowerShell

Objects have methods
- Actions the object can do
- Actions you can do to the object
- May use parameters
- Often exposed via cmdlets
- But can be manually invoked on a per object basis

Objects in PowerShell

Master PowerShell by mastering objects in the pipeline

- Not text

```
Select-Object

Sort-Object

Group-Object

Where-Object

Measure-Object
```

All for One and One for All

Cmdlets are agnostic

Doesn't matter if it is a file or an Active Directory user

You still need to understand the objects in the pipeline

Demo

Object Lesson

Summary

Objects are everything in PowerShell

Learn how to use Get-Member

Once you know how to work with objects you can use any cmdlet