

# Crafting Regular Expressions with Alternations

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# What Do Alternations Do?

.Com

.Net

.Gov

.Com|Net|Gov



```
'Learning', 'Regex' -match 'Learning|Regex'
```

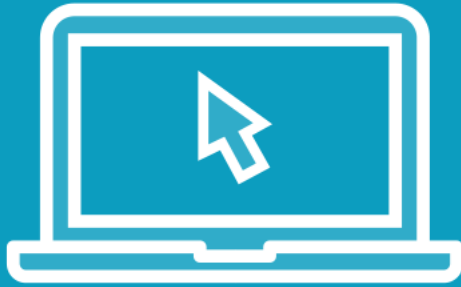
```
(Get-Command) -match '[GS]et-|Add-'
```

## Alternation

Are used to match a single regular expression out of several possible expressions. Each possible expression is separated by a vertical bar or pipe symbol.



# Demo



## Alternations

- Matching several different words within a string

## Discover cmdlets

- Get, Set, and Add

## Match PowerShell file extensions

- .ps1, .psm1, .psd1

## Match Windows Event Logs

- Created user events
- Deleted user events



# Summary



## Alternations

- Used to match one of several possible expressions
- Ability to use several expressions within a single expression

## Using Alternations

- Matched PowerShell file extensions
- Searched for Active Directory user events

