

Using Character Classes with Regular Expression



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Character Classes

Grey

- Match 'Grey'

Gray

-Match 'Gray'

Grey or Gray

-Match 'Gr[ae]y'



```
'gray' -match 'gr[ae]y' True
```

```
'grey' -match 'gr[ae]y' True
```

Character Classes

A set of characters used to express all possibilities at a specific point in a match



gr[ae]y

[a-z]

[0-9]

[^abcd]

[^a-d]

◀ Character class

◀ Character class range

◀ Character class range digits

◀ Negated character class

◀ Negated character class range



Demo



Character classes

- Discover Active Directory cmdlets
- Validate IP addresses
- Replace invalid username characters

Character class ranges

- Validate IP address ranges
- Discover Active Directory users

Negated character classes

- Matching different date formats
- Splitting up email addresses



Summary



Character classes

Character class ranges

Negated character classes

Negated character class ranges

Select-String cmdlet

-Split operator

