



Working With Users

Add a single user

```
New-JCUser -firstname  
Clarence -lastname  
Clemons -username  
cclemons -email  
cclemons@theband.com
```

Update a user by username

```
Set-JCUser -username  
cclemons -email  
cclemons@theonlyband.com
```

Unlock a locked user account

```
Set-JCUser -Username  
cclemons -account_locked  
$false
```

Delete a user by username

```
Remove-JCUser cclemons
```

Enforce MFA by username
and set enrollment timeout to
14 days

```
Set-JCUser -Username  
cclemons  
-enable_user_portal_multi  
factor $True  
-enrollmentdays 14
```

Working with Systems

Get all systems in JumpCloud

```
Get-JCSystem
```

Add a standard user to a
system by ID

```
Set-JCSystemUser  
-SystemID  
5n0795a7127041a4eve154r  
-Username cclemons  
-Administrator $False
```

Add an administrator user to a
system by ID

```
Set-JCSystemUser  
-SystemID  
5n0795a7127041a4eve154r  
-Username cclemons  
-Administrator $True
```

Rename a system's display
name by ID

```
Set-JCSystem -SystemID  
5n0795a7127041a4eve154r  
-displayName  
Clemons-macBook
```

Working with Groups

Get system and user groups

```
Get-JCGroup
```

Get all system groups

```
Get-JCGroup  
-Type System
```

Get all user groups

```
Get-JCGroup  
-Type User
```

Add a JumpCloud user to a
user group

```
Add-JCUserGroupMember  
-Username cclemons  
-GroupName 'The Band'
```

Add a JumpCloud system to a
system group

```
Add-JCSystemGroupMember  
-GroupName 'win_systems'  
-SystemID  
59dad305383roc7k369sf7s2
```

Import & Backup

Backup all users to a CSV

```
Get-JCBackup -Users
```

Create a CSV Import
Template

```
New-JCImportTemplate
```

Import users from CSV

```
Import-JCUsersFromCSV  
-CSVFilePath ~/users.csv
```

Help and Tips

Need Help? Typing "help"
before any command will
display contextual help.

```
Help New-JCUser  
Help Set-JCUser  
Help Get-JCSystem
```

Access online help
Help New-JCUser -Online

Command Gallery:

The JumpCloud Command Gallery contains pre-built and importable commands for Linux, Mac and Windows systems.

Visit the Command Gallery: <https://git.io/JvPgu>



About Advanced Commands

In PowerShell, the Pipeline operator sends the output of one command to the next command.

Command-1 | Command-2 | Command-3

Command-1's output is sent to Command-2 and finally, Command-2's output is sent to Command-3. The JumpCloud Powershell Module allows admins to use the pipeline operator to automate complex management tasks.

Advanced User Commands

Get all locked user accounts and unlock them

```
Get-JCUser -account_locked $true |  
Set-JCUser -account_locked $false
```

List all users not bound to a user group

```
Get-JCUser |  
Where-Object {$_.Id -notin (Get-JCAssociation  
-Type:('user') -Id:($_.Id)  
-TargetType:('user_group')).id} |  
Select-Object username
```

Get all users who have their Department attribute set to Sales, select their usernames and add those users to the Sales user group

```
Get-JCUser -department Sales | Select-Object username  
| Add-JCUserGroupMember -GroupName Sales
```

Advanced System Commands

Get active systems and add those system to the "ActiveSystems" system group

```
Get-JCSystem -active $true | Add-JCSystemGroupMember  
-GroupName ActiveSystems
```

Create two new system groups with the foreach command 'MarketingMachines', 'SalesMachines' | **Foreach {New-JCSystemGroup \$_}**

Get all Mac systems and enable MFA on each system

```
Get-JCSystem -os *Mac* | Select-Object _id |  
Set-JCSystem -allowMultiFactorAuthentication $true
```

Get all systems with duplicated serial numbers

```
Get-JCSystem | Group-object serialNumber |  
Where-Object Count -GT 1
```

Get all systems where username cclemons is bound as a user

```
Get-JCSystem | Get-JCSystemUser | ? Username -EQ  
cclemons
```

Export a list of systems created in the last 30 days to a .CSV file

```
Get-JCSystem -filterDateProperty created -dateFilter  
after -date (Get-Date).AddDays(-30) -returnProperties  
hostname, os, version | Export-CSV  
NewSystemsPast30.csv
```