



## Find Tables and help

The Directory Insights endpoint contain data about your JumpCloud directory. To to find information on valid tables visit <https://docs.jumpcloud.com/>

## Query Everything

The Directory Insights endpoint can query all the data from a JumpCloud tenant. It requires a valid service and start time parameter.

Get all data from the last day

```
Get-JCEvent -Service:('all')  
-StartTime:((Get-date).AddDays(-1))
```

Get all sso data from the last day

```
Get-JCEvent -Service:('sso')  
-StartTime:((Get-date).AddDays(-1))
```

## Filtered Search

Get all sso events by username "user.1" over the last day

```
Get-JCEvent -Service:('sso')  
-StartTime:((Get-date).AddDays(-1)) -SearchTermAnd  
@{"initiated_by.username" = "user.1"}
```

Get Admin Login Events

```
Get-JCEvent -Service:('all')  
-StartTime:((Get-date).AddDays(-30)) -SearchTermAnd  
@{"event_type" = "admin_login_attempt";  
"resource.email" = "user.1@jumpcloud.com"}
```

## Directory Insights Example Commands

Get organization updates over the last thirty days

```
Get-JCEvent -Service:('all')  
-StartTime:((Get-date).AddDays(-30)) -SearchTermAnd  
@{"event_type" = "organization_update"}
```

Report failed admin login attempts from the last thirty days

```
Get-JCEvent -Service:('all')  
-StartTime:((Get-date).AddDays(-30)) -SearchTermAnd  
@{"event_type" = "admin_login_attempt"} |  
Where-Object success -eq $false
```

Get commands run on a particular system

```
Get-JCEvent -Service:('all')  
-StartTime:((Get-date).AddDays(-30)) -SearchTermAnd  
@{"event_type" = "command_run"; "id" =  
"5ea857b40e81fd46f46f4a77"}
```

Recent created users, systems and groups

```
Get-JCEvent -Service:('all')  
-StartTime:((Get-date).AddDays(-7)) -SearchTermOr  
@{"event_type" = @("group_create", "user_create",  
"system_create")}
```

Get login attempts and filter by IP

```
Get-JCEvent -Service:('all')  
-StartTime:((Get-date).AddDays(-7)) -SearchTermAnd  
@{"event_type" = "login_attempt"} | where-object  
"client_ip" -like "73.181.***.***"
```

Export results to json

```
Get-JCEvent -StartTime $(Get-date).AddDays(-7)  
-Service all | ConvertTo-Json -Depth 5 | Out-File  
jcevents.json
```