

Query SWIS with PowerShell

Add-PSSnapin SwisSnapin

Get-Credential

Connect-Swis -Credential \$creds -
Hostname localhost

Get-SwisData \$swis 'SELECT nodeID,
Caption FROM Orion.Nodes Where
Vendor=@v' @{v='Cisco'}

Invoke-SwisVerb \$swis Orion.Nodes
Unmanage @"(N:1", \$now, \$later, "false")

The **Invoke-SwisVerb** cmdlet argument
lists support XmlElement objects from

Orion SDK 1.5. If your scripts rely on the
original behavior, update them to use the
InnerText property of the returned element.

Installing SWIS PowerShell

```
choco install orionsdk -y
```

```
C:\Windows\Microsoft.NET\Framework\v-  
4.0.30319\InstallUtil.exe 'C:\Program Files-  
\SolarWinds\Orion SDK\SWQL Studio\Sw-  
isPowerShell.dll'
```

```
C:\Windows\Microsoft.NET\Framework64-  
\v4.0.30319\InstallUtil.exe 'C:\Program Files  
(x86)\SolarWinds\Orion SDK\SWQL Studio-  
\SwisPowerShell.dll'
```

If you installed the Orion SDK to a different
folder, adjust the path to **SwisPowerShel-
l.dll** accordingly.

The same DLL works in both 32- and 64-bit
shells, but you have to register it separately
for each context.

Don't forget that you need to run the
Powershell as Administrator.

SWQL supported constructs

SELECT ... FROM ...

WHERE

GROUP BY ... HAVING ...

ORDER BY

INNER JOIN

LEFT/RIGHT OUTER JOIN

UNION

UNION ALL

SELECT TOP n

SELECT DISTINCT

Subqueries in SELECT

Subqueries in FROM/JOIN

Aggregates SUM, MAX, MIN, AVG, COUNT

Functions ISNULL, ABS

Credit

The cheat sheet was created in conformity
with SolarWinds Orion SDK 1.5.

SWQL unique

Navigation Properties

```
SELECT I.Caption, I.Node.Contact FROM  
Orion.NPM.Interfaces I WHERE I.Type-  
Name='ieeee80211'
```

Row Windows

```
SELECT NodeID, Caption, IPAddress,  
Status FROM Orion.Nodes ORDER BY  
Caption WITH ROWS 100 TO 199
```

SWQL - NOT SUPPORTED

SELECT * FROM
You must list the actual
properties you want to
select.

UPDATE,
INSERT,
DELETE
You can only use SWQL to
read data

You must use CRUD operations to create,
read, update, or delete entities.



By **Jan Elias** (ernest)
cheatography.com/ernest/

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