Queries used in SolarWinds Lab #91
Customizing the Orion Platform with the SolarWinds API and SWQL

Custom Query Resources

Starting Query

```sql
SELECT [Nodes].Caption , [Nodes].IPAddress , [Nodes].SystemUpTime , [Nodes].CPUCount , [Nodes].Uri
FROM Orion.Nodes AS [Nodes]
WHERE Vendor = 'Windows'
    AND Status = 1 -- Status of 1 signifies 'up'
ORDER BY CPUCount DESC, SystemUptime
```

Using LinkFor alias

```sql
FROM Orion.Nodes AS [Nodes]
WHERE Vendor = 'Windows'
    AND Status = 1 -- Status of 1 signifies 'up'
ORDER BY CPUCount DESC, SystemUptime
```

Using IconFor alias

```sql
FROM Orion.Nodes AS [Nodes]
WHERE Vendor = 'Windows'
    AND Status = 1 -- Status of 1 signifies 'up'
ORDER BY CPUCount DESC, SystemUptime
```

Using multiple LinkFor

```sql
SELECT [Nodes].Caption , [Nodes].IPAddress , [Nodes].SystemUpTime , [Nodes].CPUCount , [Nodes].DetailsUrl AS [_LinkFor_Caption] , [Nodes].DetailsUrl AS [_LinkFor_IPAddress]
```
\begin{verbatim}
, [Nodes].Uri,
, '/NetPerfMon/images/Vendors/' + [Nodes].VendorInfo.Icon AS
[IconFor_Caption]
FROM Orion.Nodes AS [Nodes]
WHERE Vendor = 'Windows'
  AND Status = 1 -- Status of 1 signifies 'up'
ORDER BY CPUCount DESC, SystemUptime

Additional Filters
SELECT [Nodes].Caption
, [Nodes].IPAddress
, [Nodes].SystemUpTime
, [Nodes].CPUCount
, [Nodes].DetailsUrl AS [_LinkFor_Caption]
, [Nodes].DetailsUrl AS [_LinkFor_IPAddress]
, [Nodes].Uri
, '/NetPerfMon/images/Vendors/' + [Nodes].VendorInfo.Icon AS
[IconFor_Caption]
FROM Orion.Nodes AS [Nodes]
WHERE Vendor = 'Windows'
  AND Status = 1 -- Status of 1 signifies 'up'
  AND SystemUptime / 60 / 60 / 24 >= 90 -- indicates online for 90 days
ORDER BY CPUCount DESC, SystemUptime

Reporting
Starting Query
SELECT [Nodes].Caption
, [Nodes].IPAddress
, [Nodes].SystemUpTime
, [Nodes].CPUCount
, [Nodes].Uri
FROM Orion.Nodes AS [Nodes]
WHERE Vendor = 'Windows'
  AND Status = 1 -- Status of 1 signifies 'up'
ORDER BY CPUCount DESC, SystemUptime
See \textit{SolarWinds Lab #88} for more details about customizing reports.

Modern Dashboards
KPI Widget: Windows >= 90 Days
SELECT COUNT(Caption) AS [Quantity]
FROM Orion.Nodes AS [Nodes]
WHERE Vendor = 'Windows'
  AND Status = 1 -- Status of 1 signifies 'up'
  AND SystemUpTime / 60 / 60 / 24 >= 90 -- Convert seconds to days

Table Widget: Windows >= 90 Days
SELECT TOP 5 [Nodes].Caption
, [Nodes].IPAddress
\end{verbatim}
, [Nodes].SystemUpTime
, [Nodes].CPUCount
, [Nodes].DetailsUrl AS [LinkFor_Caption]
, [Nodes].Uri
, '/NetPerfMon/images/Vendors/' + [Nodes].VendorInfo.Icon AS [IconFor_Caption]
FROM Orion.Nodes AS [Nodes]
WHERE Vendor = 'Windows'
  AND Status = 1 -- Status of 1 signifies ‘up’
  AND SystemUpTime / 60 / 60 / 24 >= 90 -- Convert seconds to days
ORDER BY CPUCount DESC, SystemUptime

Proportional Widget: Windows Servers

SELECT COUNT(1) AS Count_Items
, Status
FROM Orion.Nodes
WHERE Vendor = 'Windows'
  AND SystemUpTime / 60 / 60 / 24 >= 90 -- Convert seconds to days
GROUP BY Status