

Queries used in SolarWinds Lab #91

Customizing the Orion Platform with the SolarWinds API and SWQL

Custom Query Resources

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
```

Using LinkFor alias

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

Using IconFor alias

```
SELECT [Nodes].Caption
       , [Nodes].IPAddress
       , [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'
ORDER BY CPUCount DESC, SystemUptime
```

Using multiple LinkFor

```
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'
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 [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

```

```
, [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
```