

Integrating SolarWinds Orion with AssetGen

How to reduce data duplication, troubleshoot faster and automate diagrams

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Integration Overview



Web based monitoring / alerting

Node traffic / capacity monitoring

Device technical configuration

Flexible user views and layouts

Infrastructure documentation

Inventory and dependencies

Physical, application/services impacts

Visio diagram automation, portals



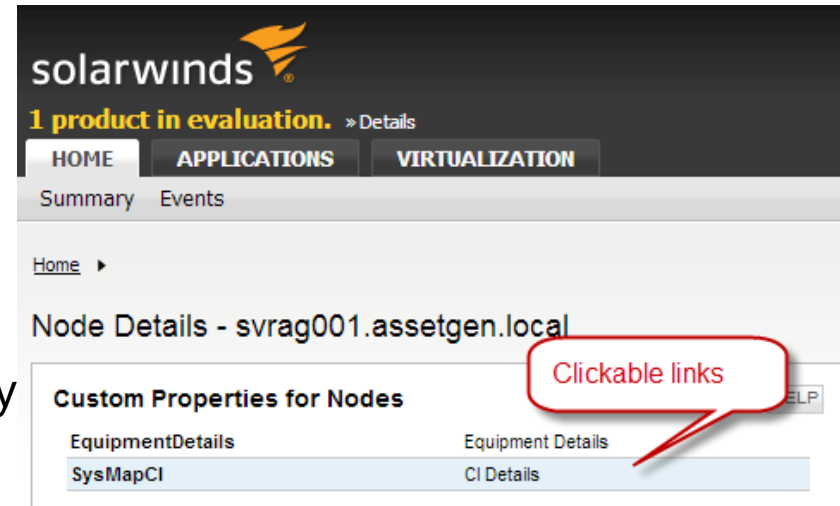
Visio diagram maintenance
Physical/logical connections
Contracts/support details

Change impact analysis
Technical/business ownership
Project planning

Accurate inventory
Device status
Faster fault handling

AssetGen & SolarWinds Integration

- Principle Methods:
 - URL Links between the products
 - Node status and performance
 - Business and service impacts
 - Physical locations and connectivity
 - Import/Export of Attribute data
 - Performance data more visible
 - Ownership & Approvers easily identified
 - Contractual and support data quick to find
 - Visualisation
 - Automate the maintenance of Visio diagrams
 - Floor, rack, network, system, application views of a device
 - Use the Visio diagrams as backdrop to Orion “System” pages



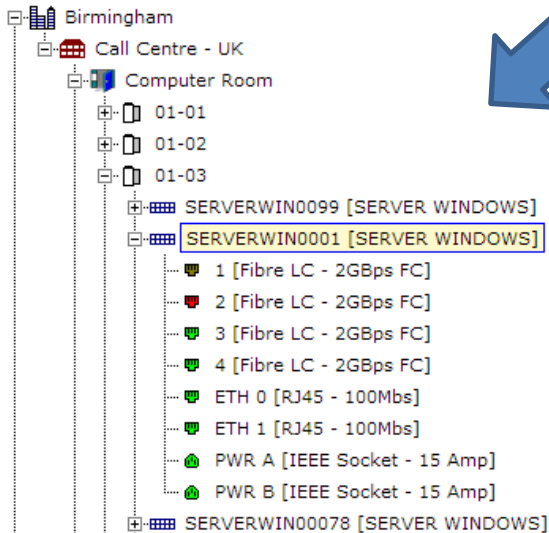
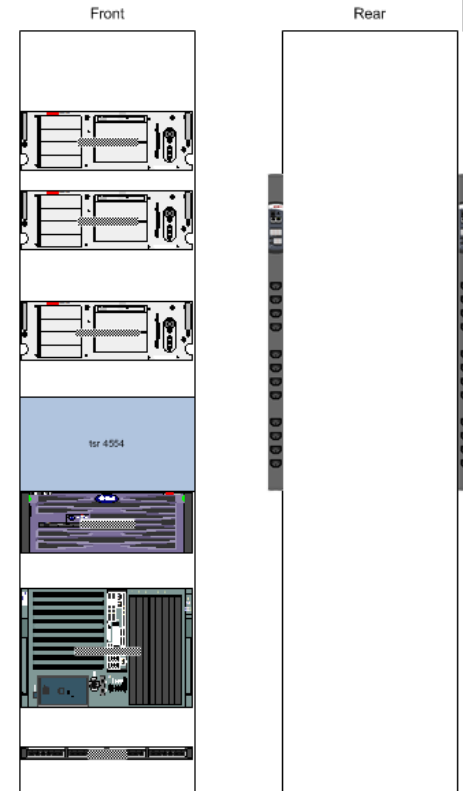
Integration (1) – Physical Location



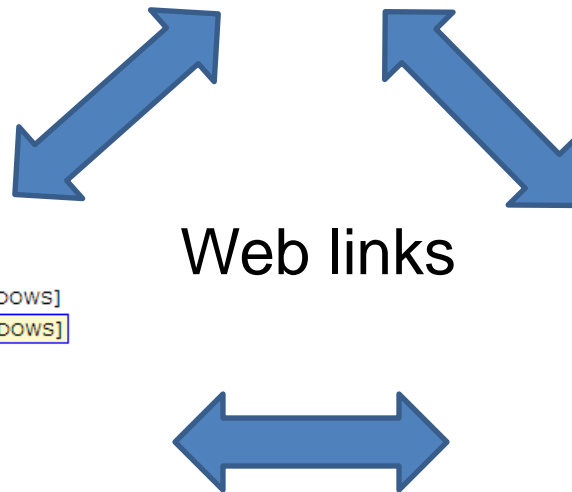
Orion Node

Visio Rack Diagram

Birmingham | Call Centre - UK | Computer Room | 01-03



Location & Connectivity

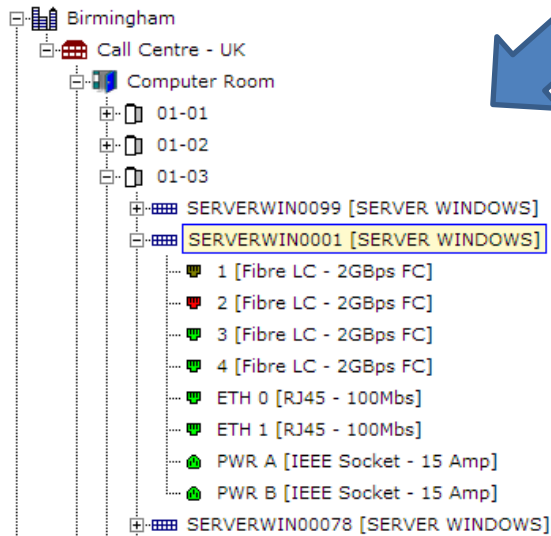


Integration (2) – Network View

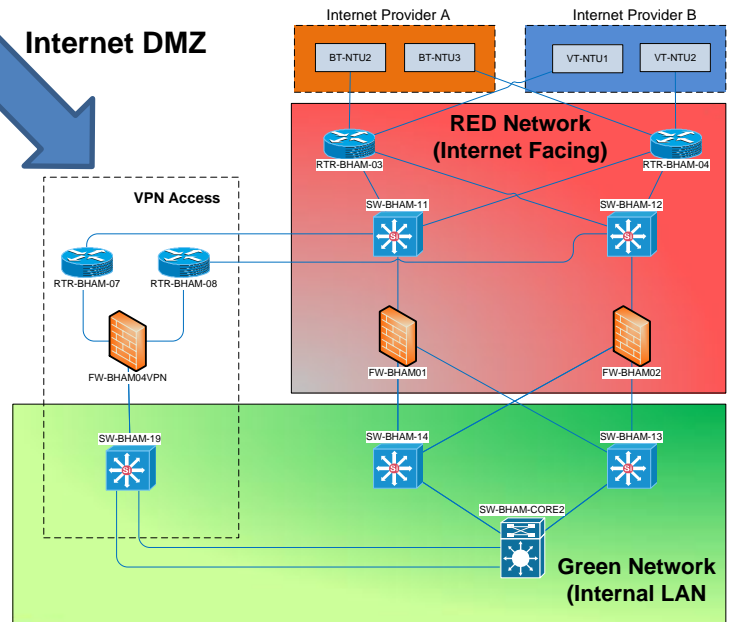


Orion Node

Visio Network Diagram

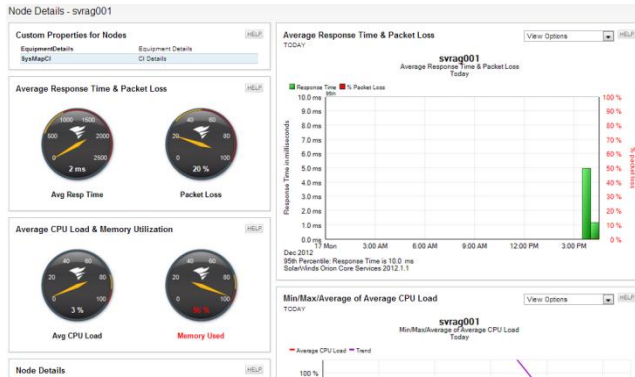


Location & Connectivity



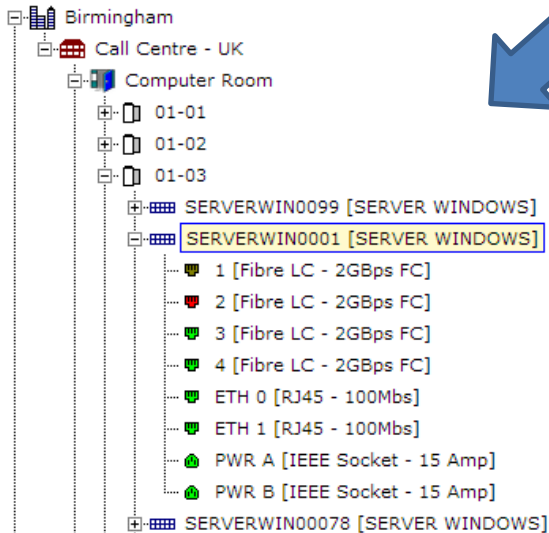
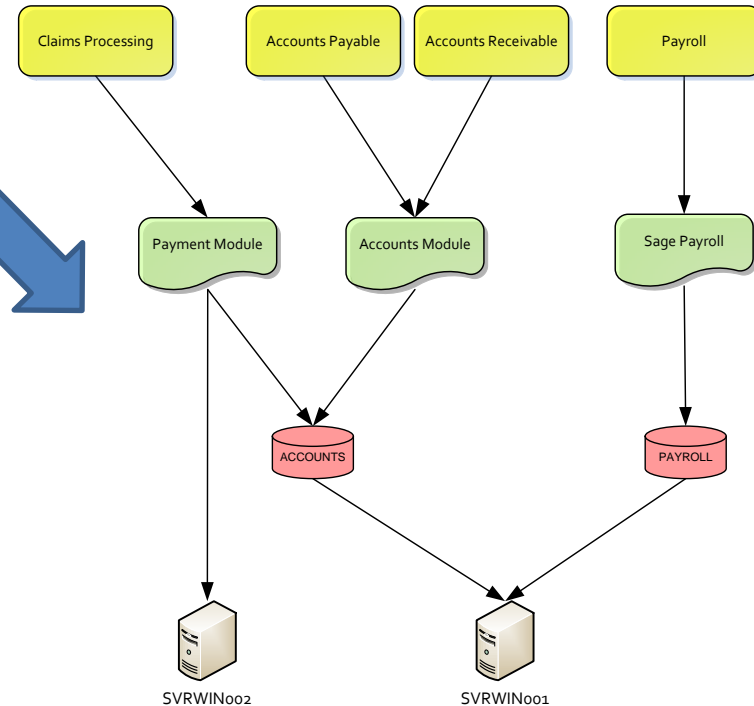
Web links

Integration (3) – Application View



Orion Node

Visio ITIL/Application Diagram



Web links

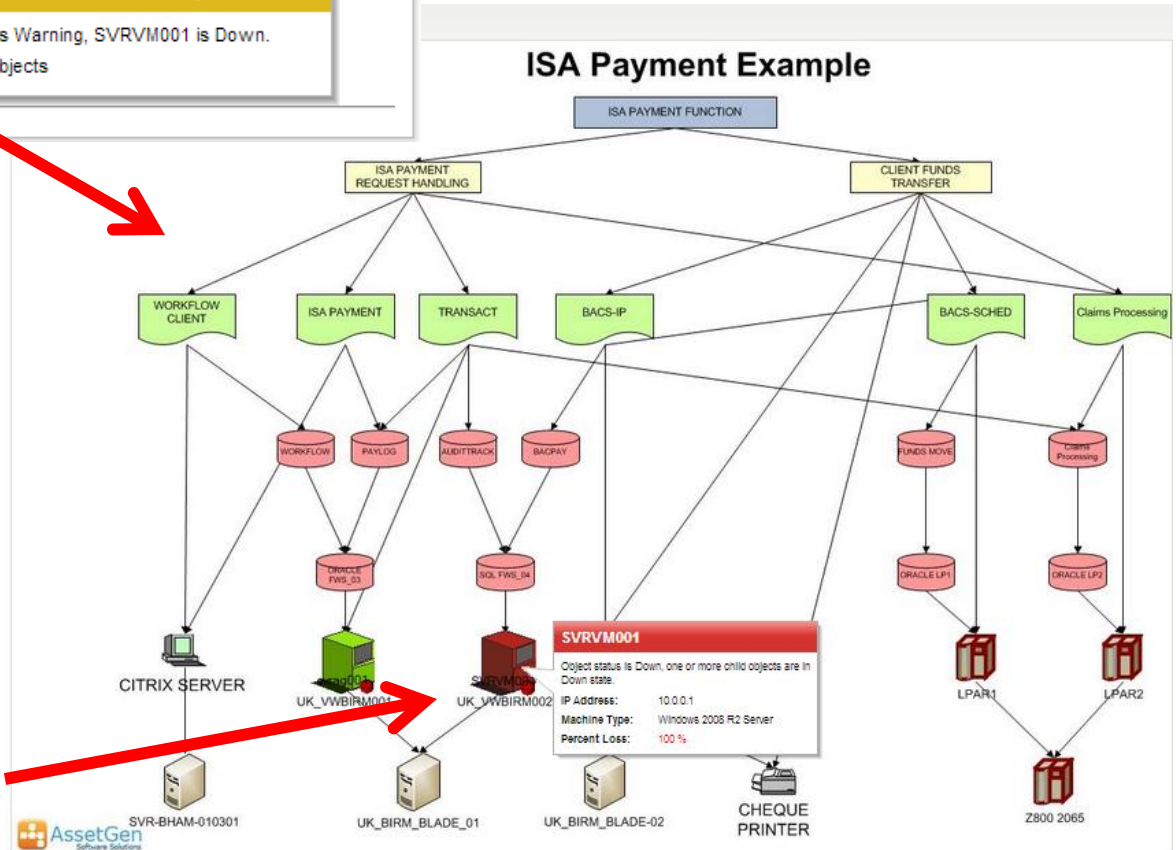
Location & Connectivity

Integration (4) – Impact Analysis



Orion Services Node highlights a problem

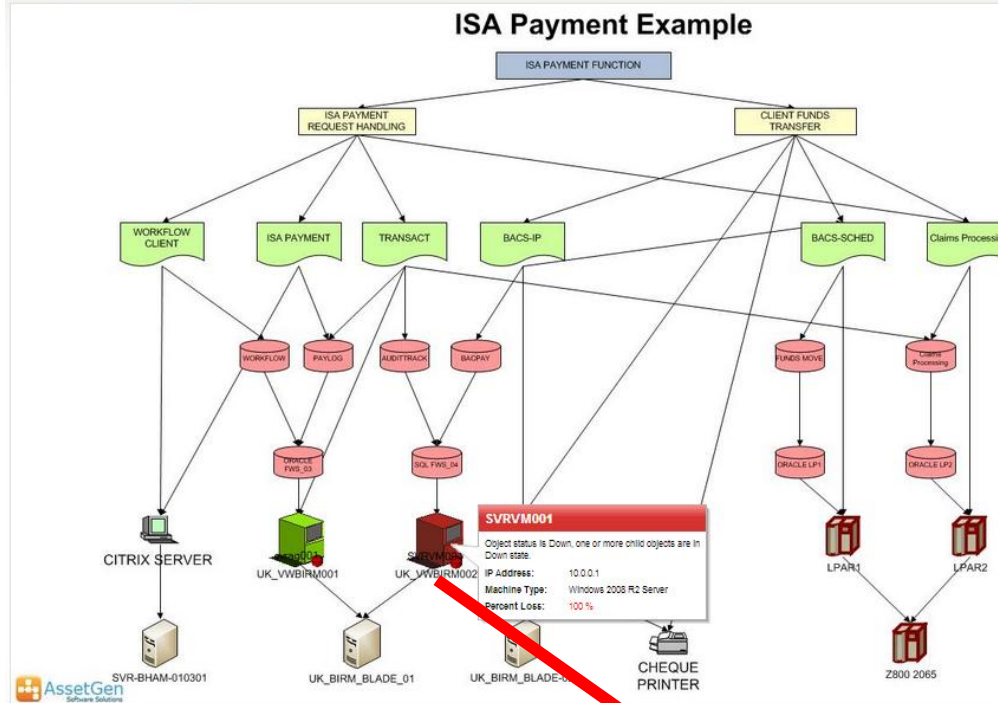
Visio ITIL/Application Diagram used as Orion background



Orion Nodes and Status Superimposed

Integration (5) – Change/Risk Analysis

ISA Payment Service Map



Visio ITIL/Application Diagram used as Orion Background

AssetGen Change Impact Results

CI Start Point CI End Point Search Type

Group: Database Business Impact Analysis [Up]
 Dependencies [Down]

Type: DBMS

Category:

Name: ORACLE FWS_03

CI Affected Info: [Iterations: 5] [CIs Processed: 7] [Duration: 0.14 seconds]

| Configuration Item | CI Group | CI Type | CI Category | CI Status |
|------------------------------|----------|------------------|-------------|-----------|
| ISA PAYMENT FUNCTION | Business | Function | | Live |
| ISA PAYMENT REQUEST HANDLING | Business | Business Service | | Live |

Integration (6) – Device Data Updates

AssetGen Equipment Details

The screenshot shows the AssetGen Connect interface. On the left is a tree view of the network structure. The main pane displays the 'Attributes' tab for the selected equipment 'SERVERWIN0001'. Below is a table of attributes:

| Attribute | Value | Type | Value |
|------------------------|-----------------------|---------|------------|
| Asset Number | 123356789 | Updated | 15/10/2010 |
| Backup Details | Tape | | 09/02/2007 |
| BTU | 34 | | 01/06/2010 |
| Call Out | 8hr | | 02/11/2010 |
| Cost | £2,503.54 | | 09/02/2007 |
| Domain | WATERMOOR | | 09/02/2007 |
| DR Covered | No | | 05/11/2009 |
| IP Address | 10.1.0.79 | | 02/06/2011 |
| Last Pat Test | 01/02/2007 | | 09/02/2007 |
| Last Security Patch | 04/01/2007 | | 09/02/2007 |
| MAC Address | 08005a65e454 | | 09/02/2007 |
| Maintenance Org | Hewlett packard | | 27/09/2010 |
| Manufacturer | HP | | 27/07/2009 |
| Memory | 4G | | 24/09/2010 |
| Model | D604 | | 09/02/2007 |
| No of CPUs | 2 | | 09/02/2007 |
| OS Release version | V5.2(4) | | 26/01/2010 |
| OS Version | Windows 2003 Standard | | 11/12/2008 |
| Owner Business | Accounts | | 09/02/2007 |
| Owner Technical | Wintel Team | | 09/02/2007 |
| Power - Watts - Actual | 450 | | 27/07/2009 |

Orion Node Details

The screenshot shows the Orion Node Details window. It displays the following information:

- Node Status:** Node is Up.
- IP Address:** 10.0.0.50
- Dynamic IP:** No
- Machine Type:** Windows 2008 R2 Server
- DNS:** svrag001.assetgen.local
- System Name:** SVRAG001
- Description:** Hardware: Intel® Family 6 Model 26 Stepping 5 AT/AT COMPATIBLE - Software: Windows Version 6.1 (Build 7600 Multiprocessor Free)
- Location:** Default-First-Site-Name
- Contact:**
- SysObjectID:**
- Last Boot:** Friday, December 07, 2012 3:36 PM
- Operating System:** 6.1 (Build 7600 Multiprocessor Free)
- IOS Image:** Unknown
- Hardware:** Physical
- No of CPUs:** 4
- Telnet:** telnet://10.0.0.50
- Web Browse:** http://10.0.0.50

Event Summary:

- 87 SAM Monitor Up
- 4 SAM Application Up
- 3 Alert Reset
- 2 SAM Critical
- 2 Alert Triggered
- 1 Node Up
- 1 Node Rebooted



Import/Export



Example data from AssetGen

- Asset management
- Ownership and approvers
- Location and position
- Maintenance support
- Environment – Prod/Test/Dev

Example data from Orion

- Technical configuration
- Disk/memory
- OS version
- Last reboot

Integration (7) – AssetGen Documents

AssetGen Equipment & associated documents / info

Orion Node Details

The screenshot shows the AssetGen Connect interface. On the left is a tree view of the infrastructure, with 'SERVERWIN001 [Server Windows]' selected. The main pane displays a table of attributes for this server.

| Attribute | Value | Updated | User |
|------------------------|-----------------------|------------|------------------|
| Asset Number | 123356789 | 15/10/2010 | Admin |
| Backup Data | Tape | 09/02/2007 | Admin |
| BTU | 34 | 01/06/2010 | Attribute Import |
| Call Out | 8hr | 02/11/2010 | Admin |
| Cost | £2,503.54 | 09/02/2007 | Admin |
| Domain | WATERMOOR | 09/02/2007 | Admin |
| DR Covered | No | 05/11/2009 | Admin |
| IP Address | 10.1.0.79 | 02/06/2011 | Admin |
| Last Pat Test | 01/02/2007 | 09/02/2007 | Admin |
| Last Security Patch | 04/01/2007 | 09/02/2007 | Admin |
| MAC Address | 08005a65e454 | 09/02/2007 | Admin |
| Maintenance Org | Hewlett packard | 27/09/2010 | Admin |
| Manufacturer | HP | 27/07/2009 | Attribute Import |
| Memory | 4G | 24/09/2010 | Admin |
| Model | D604 | 09/02/2007 | Admin |
| No of CPUs | 2 | 09/02/2007 | Admin |
| OS Release version | V5.2(4) | 26/01/2010 | Admin |
| OS Version | Windows 2003 Standard | 11/12/2008 | Admin |
| Owner Business | Accounts | 09/02/2007 | Admin |
| Owner Technical | Wintel Team | 09/02/2007 | Admin |
| Power - Watts - Actual | 450 | 27/07/2009 | Attribute Import |

The Orion Node Details window shows the following information for node SVRAG001:

- Node Status:** Node is Up.
- IP Address:** 10.0.0.50
- Dynamic IP:** No
- Machine Type:** Windows 2008 R2 Server
- DNS:** svrag001.assetgen.local
- System Name:** SVRAG001
- Description:** Hardware: Intel®4 Family 8 Model 28 Stepping 5 AT/AT COMPATIBLE - Software: Windows Version 6.1 (Build 7600 Multiprocessor Free)
- Location:** Default-First-Site-Name
- Contact:**
- SysObjectID:**
- Last Boot:** Friday, December 07, 2012 3:36 PM
- Operating System:** 6.1 (Build 7600 Multiprocessor Free)
- IOS Image:** Unknown
- Hardware:** Physical
- No of CPUs:** 4
- Telnet:** telNet://10.0.0.50
- Web Browse:** http://10.0.0.50

The Orion Event Summary shows the following events:

- 87 SAM Monitor Up
- 4 SAM Application Up
- 3 Alert Reset
- 2 SAM Critical
- 2 Alert Triggered
- 1 Node Up
- 1 Node Rebooted

Photos, diagrams, recovery docs

The screenshot shows the 'Documents' tab for the selected server. It lists various documents with their file names and update dates.

| Description | File Name | Updated |
|------------------------------|---|------------|
| Infrastructure Portal | http://svrassetgen/infrastructureportal/index.html | 21/11/2012 |
| Photo of power cabling | \\Svrassetgen\demo documents\back of cabinet photo.jpg | 21/11/2012 |
| Recovery Plans | \\Svrassetgen\demo documents\DR plan.doc | 21/11/2012 |
| Server in Visio rack diagram | \\Svrassetgen\demo documents\rack_01_03 layout.vsd | 21/11/2012 |
| SolarWinds Node | http://svrassetgen:8002/Orion/NetPerfMon/NodeDetails.aspx?NetObjec... | 21/11/2012 |

Link to node for latest status



Solarwinds/AssetGen Integration Summary

Integrating Solarwinds Orion and AssetGen gives many benefits.

Troubleshooting and Planning

- Quickly locate where a device is, how it connects, how critical it is, what it does.
- Change impact risks of rebooting, disconnecting, moving, replacing any device.
- Who to contact for local and centralised support, change approval.
- Easy access to status and performance data when planning major changes.

Documentation Access and Maintenance

- Less effort to maintain infrastructure documentation and Visio diagrams
- Consistent data and format across locations and teams
- Easily find supporting documents, photos, project plans
- Constant updates covering technical, commercial and physical data

To discuss a specific integration contact us via the web site

www.squaremilesystems.com