Trellis™ Asset Management

VERTIV

Benefits

- Minimize errors due to outdated or conflicting lists of assets; maintain only one comprehensive source of documentation for all devices in the data center

- Find equipment and relevant asset data quicker through the search-and-locate feature as well as determine what connections exist for a chosen asset (no more tracing cables behind racks)

- Understand exactly what capacities exist within the data center, what has already been used and what is remaining, comparing consumption levels against thresholds

- Plan, implement and track a complex set of steps involved in a project and even visualize the change via the rack timeline view

- Build confidence among decision makers by knowing the impact of proposed changes (space, power and connections) before committing the resources to the project

- Ensure IT and facilities teams are on the same page, reducing risks of unplanned downtime and other issues brought about by lack of coordination and multiple sources of information

- Provide insight into what, when and where devices are going to be placed in all graphical views

- Utilize floor space more efficiently when planning changes

Trellis™ asset management allows data center stakeholders to know exactly what assets, connections and capacity exist in their facility and easily make changes for optimal performance.

Trellis asset management provides the ability to visualize physical and virtual inventory and show the physical capacities needed and available to support both. It removes the need for costly and unnecessary buffers and enables the facilities side to support all the virtual load it can handle.

The *Trellis* asset management goes beyond inventory management and allows teams to intelligently plan projects and track changes made. It gives both IT and facilities teams a unified view of a project and the tasks assigned to each personnel to avoid errors due to lack of coordination.

With *Trellis* asset management, there is no need for spreadsheets, Visio diagrams, physically searching the data center and endless meetings. Use it for better asset and project management.

Manage Assets and Connections Visually

- Know exactly what's inside your data center so you can better manage and optimize your physical assets and virtual servers

- Search and locate the full data center inventory without leaving your desk

- Select an asset and view all its properties, capacities, contained devices and connections to other devices

- Create realistic floor plan models by importing AutoCAD plans and plotting the racks on the blueprint

- Divide the data center floor plan based on functions by defining spaces, as well as zones within those spaces

- Search devices using the software interface instead of roaming physically, reducing time spent by personnel inside the data center.

- Visualize the total capacity consumption via top-down view

- Show the power connections between any device port and its upstream or downstream devices

Implement Data Center Changes with Confidence

- Avoid "on-the-fly" decisions and reduce time for implementing data center projects

- Conduct detailed impact analysis to determine effect of planned change

- Manage resource asset reservation(s) including rack space, power capacity and outlets

- See the state of the same rack in different periods of time through the rack timeline view

- Reduce risks of unplanned downtime and other issues brought by lack

- Build confidence among decision makers that planned changes are well-designed, well-documented, easy-to-follow and executed in a controlled manner

- Create standard data center processes and enforce policies with assignment and tracking of tasks

Specifications - *Trellis*™

Workstation Recommendations

Hardware Recommendations:

- Dual-core Intel® Pentium 4 CPU at 2.8 GHz
- 8 GB RAM, LAN connection

Browsers for the Trellis™ platform user interface:

- Mozilla Firefox version 65.0.1 or higher
- Google Chrome version 72.0.2626.109 or higher
- Microsoft EDGE 42.17134.1.0 or later

Data Size Guidelines	Small	Medium	Large	Enterprise
Concurrent users	10	20	50	100
Devices	2,000	20,000	100,000	200,000
Power Connections	1,000	10,000	60,000	100,000
Data Connections	2,000	10,000	60,000	100,000
Monitored Datapoints	1,000	10,000	40,000	140,000

Front Machine	Small	Medium	Large	Enterprise
Processor	Intel® Xeon® 2.6 GHz 8M L3 cache			
CPU count	1	2	2	2
CPU cores	4	4	4	8
Memory (GB) DDR3 1333 MHz	32	32	40	44
Disk throughput	> 500 MB/s (sequential) [un-cached]			
Storage	300 GB Enterprise class			
Ethernet	> 80 MB/s	> 80 MB/s	> 80 MB/s	> 80 MB/s

Back Machine	Small	Medium	Large	Enterprise
Processor	Intel® Xeon® 2.6 GHz 8M L3 cache			
CPU count	1	2	2	2
CPU cores	4	4	4	8
Memory (GB) DDR3 1333 MHz	24	32	32	32
Disk throughput	> 500 MB/s (sequential) [noncached]			
Storage	*300 GB Enterprise class for base installation			
Ethernet	> 80 MB/s	> 80 MB/s	> 80 MB/s	> 80 MB/s

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