

Trellis™ PLATFORM DATA CENTER MONITORING

Quick Start Offering



BENEFIT

The *Trellis*™ data center monitoring solution package includes Vertiv™ professional services to get you up and running quickly and in a cost efficient manner. This solution is tailored to meet your business needs and reduce the time it takes to implement DCIM, reducing risks associated with adoption of a new tool and accelerating ROI. The system is simple to order and implement, with a single part number that reduces the complexity of buying.

With the *Trellis*™ platform data center monitoring solution, you are able to:

- Achieve quicker response time to issues that threaten business operations
- Improve uptime performance
- Improve performance by establishing key performance indicators (KPIs) for the data center
- Improve compliance
- Increase efficiency through elimination of manual data entry
- Save time via the use of historical data for future planning
- Reduce time spent generating reports

Problem

Visibility to and management of health and status of available power and cooling systems is critical for ensuring IT availability for all data centers. Finding a centralized monitoring solution that meets the needs of data centers of every size is challenging. Most monitoring solutions offer a capability that is either a full complement of features, or is lacking some necessary features and capabilities. Businesses are looking for a solution that fits their data center needs both now and in the future, and are not interested in paying for something that is either lacking features or is over-featured for their needs.

Using multiple solutions to get information is cumbersome and inefficient, and will require the information to be stitched together to enable action or planning. Spending time searching for data in spreadsheets or other document formats is time consuming, error-prone and inefficient.

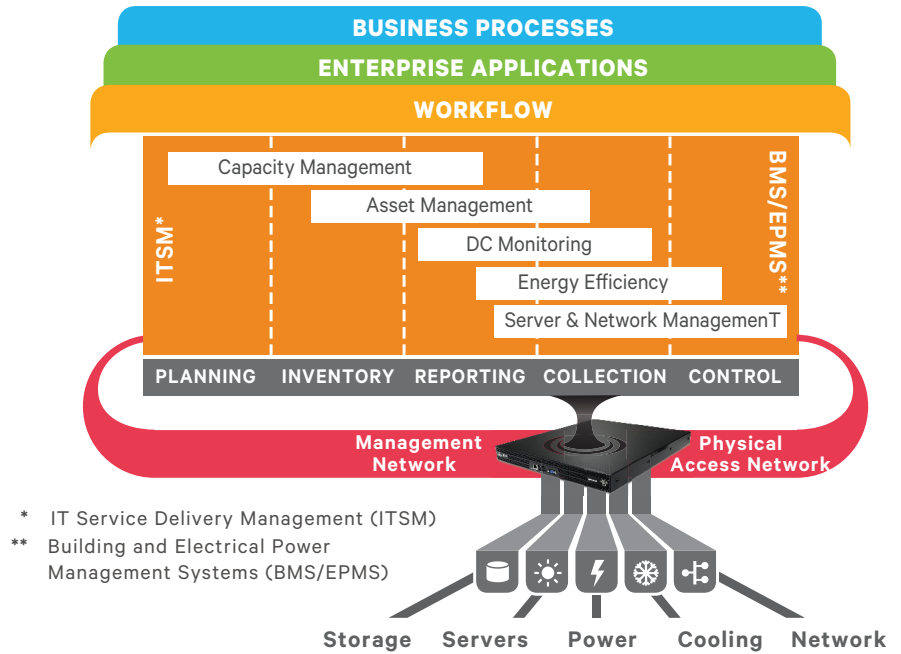
Solution

To meet data center needs for right-sized and right-featured monitoring, the *Trellis*™ data center monitoring solution provides you the software, hardware, and services for monitoring in a complete package. Although it may also be integrated with other *Trellis*™ modules to create full-featured data center infrastructure management (DCIM), the *Trellis*™ data center monitoring solution is robust as a stand-alone solution. With the *Trellis*™ data center monitoring solution, you are able to:

- Monitor critical power and thermal infrastructure
- Manage rack PDUs
- Maintain breaker panel schedule
- Improve Alarm/Notification management
- Manage capacity, efficiency, and performance with real-time data
- Manage cooling and power chain
- Monitor environmental sensors
- See colorization from sensors and power conditions
- Provide support in generating reports important to their business

Solution Architecture

The *Trellis™* solution architecture is structured in a way that all elements provide for a concrete architecture in the DCIM domain. The *Trellis™* platform is based on real world use cases for best practices implementation that reduce risk and lower the cost of implementation, integration, and operation. Based on our work with a class-leading managed services provider, we have put in place a solution architecture that places our DCIM tool at the center of the provider's operation with integration to their ERP, systems management software and billing systems.



* IT Service Delivery Management (ITSM)

** Building and Electrical Power Management Systems (BMS/EPMS)

Power	Heating / Cooling	Weight	Connectivity
<ul style="list-style-type: none"> How much power does this server consume? How much power does this rack have left? If I change to this model, will I save any power? What would be the impact of a UPS failure? 	<ul style="list-style-type: none"> How much heat will this server generate? Where are the hot spots in my computer room? Can I turn off the computer room air conditioning (CRAC) unit in this part of the data center? 	<ul style="list-style-type: none"> Will this rack be able to take this new blade system? How heavy will this new server be? If we add large core switches, will the upstairs computer room be able to cope with them? 	<ul style="list-style-type: none"> Which switches are this server's network ports connected to? Do I have sufficient power sockets for the new blade chassis? Do I have any spare connections in my other computer room?

Product Specifications

- Intel Xeon E5-2650 v2 2.60 GHz, 20M Cache, 8 Core
- (4) 16GB RDIMM - RAM
- (3) 600GB 10,000 RPM HDD – Raid 5 controller recommended
- GB Ethernet Adapter
- Recommended OS: RHEL 6.4
- Recommended VM management: ESXi

Key Feature Set

- Site Manager for monitoring
 - Supports up to 100 total devices including up to 30 FMDs and a combination of up to 70 rack PDUs and sensors
 - Avocent® Universal Management Gateway 4000
- Professional Service Installation (1-2 week engagement to accelerate ROI)
- Ad Hoc Reporting
- Training - 1 user, virtual instructor led training credit
- 1 year of Trellis™ maintenance (no recurring annual fees)

Next Steps

- Request a Live Demo >
- View Identifying and Resolving Data Center Problems video >