Trellis™ THERMAL MANAGEMENT SOLUTION

Quick Start Offering

◆ VERTIV™

KEY FEATURES

With the *Trellis*™ Thermal Management Solution, you are able to:

- Visualize thermal heat maps to display hot and cold spots in real-time.

- Balance cooling capacity with IT load.

- Determine the best location to add new IT devices.

- Turn-off or eliminate unneeded inefficient cooling units.

- Achieve quicker response time to issues that threaten business operations.

- Reduce operating costs by providing the right amount of cooling.

- Improve thermal conditions leading to unwanted downtime

- Maintain temperature profiles for certifications, regulations, or contracts.

- Set temperature sensor thresholds at SLA limits

- Adhere to ASHRAE guidelines.

- Save time via the use of historical data for future planning.

Problem

Chasing hot spots in a dynamic data center wastes valuable time and resources. Trying to manage the available cooling capacity between IT devices and the facility is a balancing act that can be time consuming and costly if the right tools are not available. Stranded thermal capacity in the data center is expensive and makes it difficult to plan for future equipment placement. Without visually seeing where you have hot spots, you are risking unplanned downtime and jeopardizing the useful life of your IT equipment.

Solution

The *Trellis*™ Thermal Management Solution provides the software, wireless sensors and services needed to get your data center running in the most environmentally efficient manner. With this solution, you can analyze and monitor real-time conditions to manage capacity and uptime in order to make important decisions that prevent unnecessary downtime and costly outages.

The *Trellis* Thermal Management Solution gives you real-time Thermal Visualization and pinpoints hot spots instantly to save time and eliminate continuous concerns over when and where outages may occur. The *Trellis* Thermal Management Solution provides you the real time information that allows you to easily communicate the status of the data center so as to better meet your SLAs.
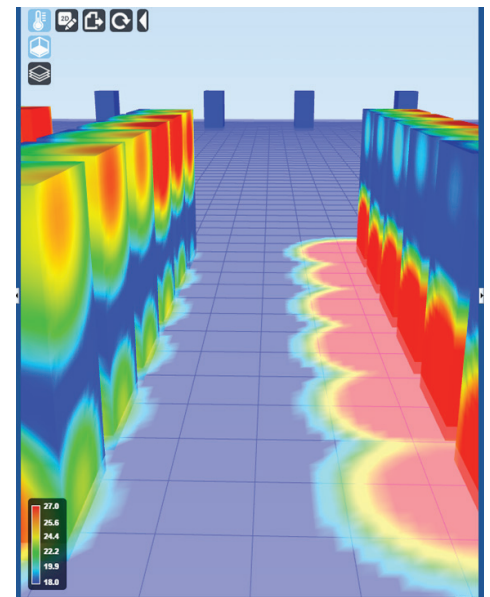
The solution is tailored to meet today's business, and is able to scale as your needs grow. This all-in-one solution gives you the tools and services you need to get up and running quickly so you can immediately begin realizing the cost
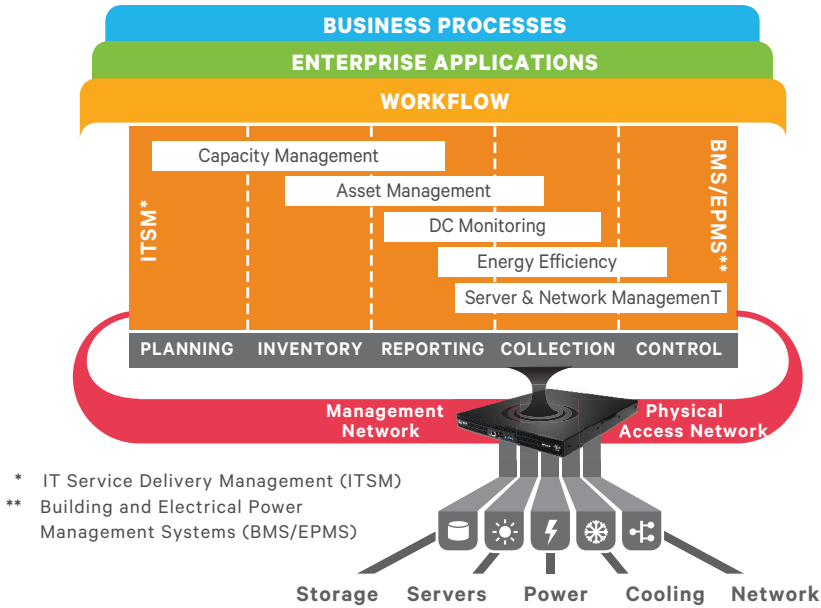
saving benefits you are looking for in a data center infrastructure management (DCIM) solution.

Benefit

The *Trellis* Thermal Management solution package is tailored to meet your business needs and reduce the time it takes to implement data center infrastructure management (DCIM), reducing risks associated with adoption of a new tool and accelerating ROI. The solution is ordered as a single part number, reducing the complexity of buying and implementing and includes Vertiv's professional services to get you up and running quickly and in a cost efficient manner.

The *Trellis* Thermal Management Solution also provides you with the ability to balance cooling capacity with IT load, determine the best location to add new IT devices, and turn-off or eliminate unneeded inefficient cooling units.

BUSINESS PROCESSES

ENTERPRISE APPLICATIONS

WORKFLOW

ITSM*

Capacity Management

Asset Management

DC Monitoring

Energy Efficiency

Server & Network ManagemenT

BMS/EPMS**

PLANNING   INVENTORY   REPORTING   COLLECTION   CONTROL

Management Network   Physical Access Network

*   IT Service Delivery Management (ITSM)
** Building and Electrical Power
    Management Systems (BMS/EPMS)

Storage   Servers   Power   Cooling   Network

Reference Architecture

The *Trellis*™ reference 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 for the customer. Based on our work with a class-leading managed services provider, we have put in place a reference 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.

Product Specifications

Intel Xeon E5-2650 v2 2.60 GHz, 20M Cache, 8 Core

(4) 16GB RDIMM - RAM

(3) 600 GB 10,000 RPM HDD – Raid 5 controller recommended

Gb Ethernet Adapter

Recommended OS: RHEL 6.4

Recommended VM management: ESXi

Key Feature Set

- *Trellis* Site Manager and Thermal System Manager for monitoring

- 30 FMDs for critical power and cooling infrastructure

- Includes 25 wireless temperature sensors (each sensor includes 3 temperature nodes)

- Wireless gateway

- Power supply mounting kit

- Professional Service Installation (1-2 week engagement to accelerate ROI)

- Ad Hoc Reporting

- Training - 1 user, virtual instructor led training credit (3 training classes)

- 1 year of *Trellis* Silver maintenance (no recurring annual fees)

- 1 Year Silver maintenance

Next Steps

Request a live demo >

View Thermal Management video >

Learn more about the *Trellis* Thermal Management Solution >

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