



DCIMRover™ CPX

Data Center Intelligence for Cloud Platforms

Enable Energy Smart Data Center

Energy costs are the fastest-rising expense for today's Data Centers, with power consumption as one of the top concerns for managers of Data Centers, enterprises, and cloud. Facility teams may be tasked with measuring and managing power at rack and power distribution unit (PDU) levels, but often have little visibility into server consumption. There are multiple proprietary power measurement and control protocols supported by different solution providers, which make it challenging to have a single solution for power management across all devices in the Data Centers.

Gain Control of Data Center Power with Data Science

DCIM offers organizations the single pane of glass they need to continuously improve Data Center performance. It enables organizations to collect, analyze and manage information about a Data Center's assets, resource utilization and operational status so they can control and optimize the environment more effectively.

Cloud Platform Ready

Supports Integrated Infrastructure Stack and Systems; Open Compute platforms and most legacy compute, storage and network components. Also included is support for Electrical Systems (ATS, PDU's UPS) and Mechanical systems (Pumps, Chillers, CRAC, CRAH) with SNMP monitoring capabilities.

Historical Trending: Log power and thermal data with trending, time-sequence and work-load profile.

Energy Analytics: PUE, DCIE and IT Power consumption factors

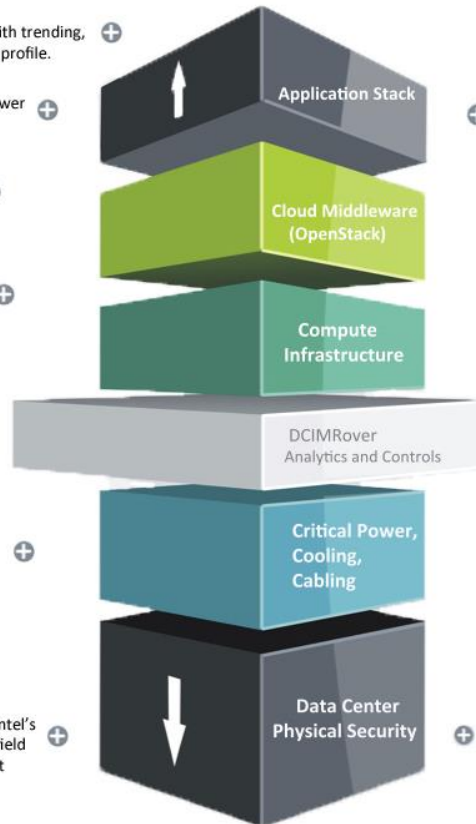
Ease of Deployment: As an Application, Virtual Appliance or a Physical Appliance.

OPEN: Web Service API for ease of integration into management console. Integrated in cloud orchestration platform (OpenStack)

Security: Secure communication with managed nodes. Encryption of all Sensitive Data

Extensive Support: Supports most compute hardware integrated infrastructure systems, Mechanical and Electrical systems and Cloud Orchestration engine (OpenStack Ceilometer)

Robust and Reliable: Built on Intel's SDK, with Intel. Available in a field tested rugged appliance format



Agentless: Does not require the installation of any software agents on managed or monitored devices

Power Monitoring: Provides real-time; accurate power and energy consumption data, enables the planning and management of power distribution, and usage.

Thermal Monitoring: Provides real-time location based thermal data, enables management of hotspots

Increasing Rack Density: Maximizes server count per rack in a fixed - rack power envelope for increased datacenter utilization

Right Size Cooling: Optimize cooling, based on power consumption

Power Optimization: Optimizes power profiles per server, rack, and floor or workload and application, and reduces electricity costs

Intelligent Power Capping and Control: Policy based device and power capping, based on threshold, time or event



Built on Intel DCM Manger Technology

Cloud Middleware Ready

Equipped with Open RestAPI and OpenStack cloud integration for advance and complete resource usage telemetry (with Ceilometer). Including power (kW) and Energy (kWhr) for host compute, network and storage elements. Enabling cloud workload power aware orchestration and automated scaling (with OpenStack HEAT automation).

DCIMRover™ CPX

enables power-aware compute orchestration

End-to-End Data Center Power Monitoring, Analysis and Control

An Innovative technology embodiment which enables Data Center energy monitoring, control and analysis. It controls equipment power based on conditions and policy

Agentless: It enables optimization of space, power and cooling in the Data Center

Holistic view: of Data Center energy usage across IT and Facility

Real time thermal: Power data, analysis and trends across the Data Center. Provides intelligence for service operations and uptime.

Workload-aware: intelligent power capping feature

Enables server consolidation: ghost server removal and eliminates hotspots in the Data Center

OPEN: Web Service API for ease of integration into management console

Robust and Reliable: Built on Intel's SDK, with Intel. Available in a field tested rugged appliance format

Scalability: Capable of managing tens of thousands of infrastructure equipment

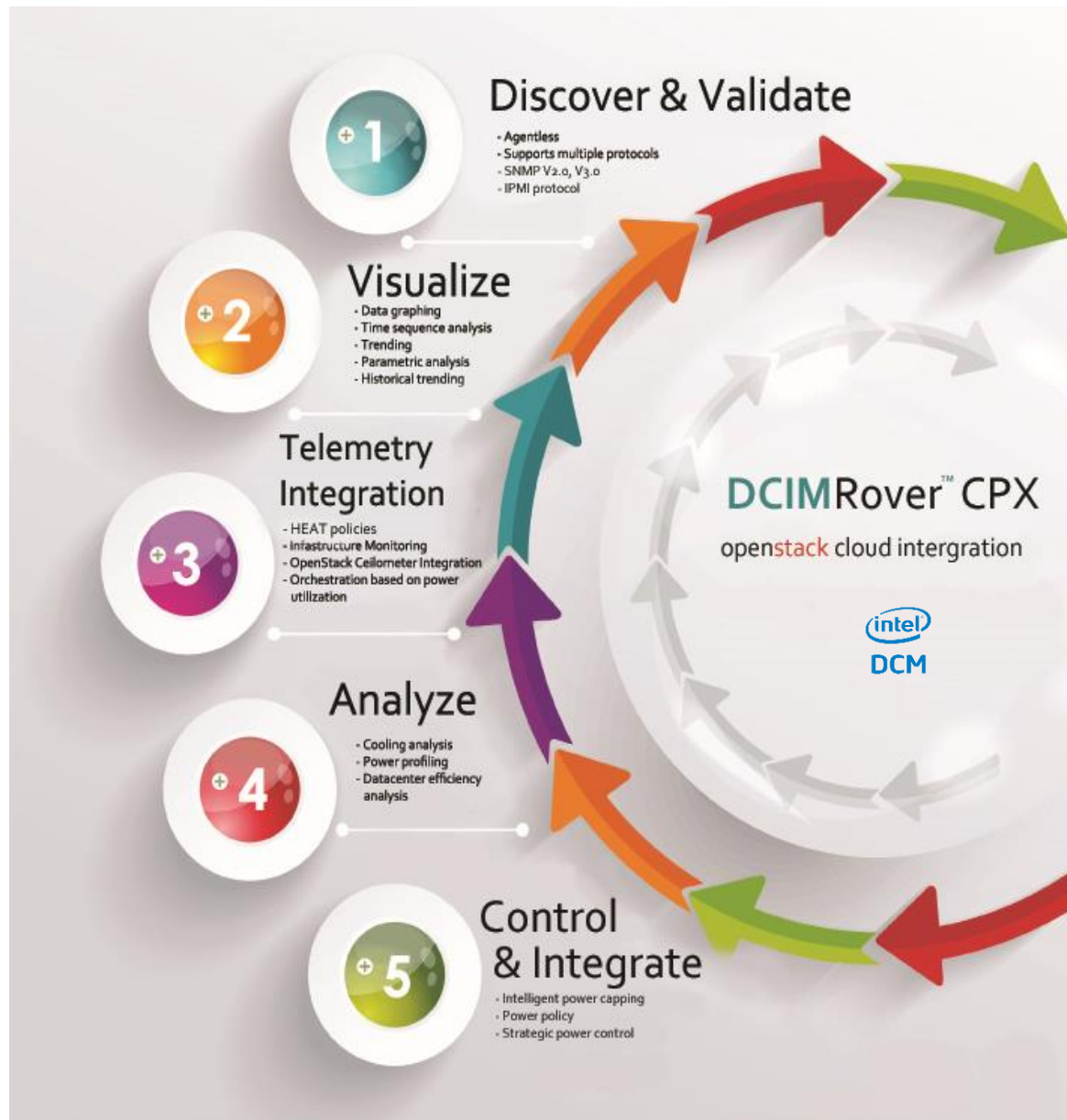
Integration: Exposes high-level web services API (WSDL)

Security: Secure communication with managed nodes. Encryption of all Sensitive Data

Cloud platform and middleware

Ready: supports Integrated Infrastructure Stack and System; Plugs into OpenStack Cloud middleware software, enabling workload power-aware orchestration

Key Benefits and Features



IG2 Group Inc. is a Data Center Science Company which provides solutions that can help organizations automatically optimize their Data Center Performance, from assets to energy utilization. IG2 technologies connects Data Center Facilities, IT infrastructure and the Cloud middleware to transform the Data Center into a workload aware Data Center that is flexible, adaptive and extremely efficient. IG2 Group Inc. is a Canadian company, Headquarters in Burlington, Ontario, Canada.