

DCM Console provides accurate power and thermal data from servers and networking equipment. This information enables Data Center engineer's visibility and control of server power consumption and temperatures for better datacenter capacity planning, power based metering, and alerting.

Intel® DCM Console features include:

Monitoring

- Real-time monitoring of actual power and temp data of serves, racks, rows, and rooms.
- Enabling alerts based on custom power & thermal events
- Enabling user-defined logical groups aligning systems to business units
- Collect server asset tag, system status, and serial # of HP, IBM, Dell out of band.
- DCM Console supports CISCO Rack & UCS devices

Trending

- Logs power & thermal data, query trend data using filters
- Saves 1 year of history data for capacity planning

Control

- Group policy patented group policy engine
- Supports multiple concurrent active power policy types at multiple hierarchy levels
- Accepts workload priority as policy directive
- Allows scheduling of policies including power capping, by time of day or/and day of week
- Maintains group power capping while dynamically adapting to changing server loads
- Intel Node Manager 2.0 support for memory power limiting and dynamic core allocation

Agent-less

- Does not require installation of any software agents on managed nodes

Easy implementation

- Device inventory pre-scan using IP ranges
- Exposes high level Web Services Description Language (WSDL) APIs
- Can reside on an independent management server or co-exist with ISV product on same server
- Power / thermal aware scheduling – airflow and outlet temp. modeling (OEM dependent)
- Outlet temperature sensor (OEM dependent)


Scalability

- Manages tens of thousands of servers



Security

- Secured APIs
- Secured communication with managed nodes
- Encryption of all sensitive data

Data Center Management Console Vendors (ISVs), System Integrators (SIs) and Data Center IT organizations can easily integrate Intel® DCM into their console or command-line applications and provide high value power management features to Large IT organizations, cloud providers and Data centers. Please [contact us](#)  for more details on Intel® DCM and receive a free 90 days evaluation copy.

System Requirements

Component	Requirement
Operating system of management server	<ul style="list-style-type: none">• Microsoft* Windows* Server 2003 R2 x86 Edition• Microsoft* Windows* Server 2003 R2 x64 Edition• Microsoft* Windows* Server 2008 x86 Edition• Microsoft* Windows* Server 2008 x64 Edition• Red Hat* Enterprise Linux 5 (EL5) Server x86 Edition• Red Hat* Enterprise Linux 5 (EL5) Server x64 Edition• Red Hat* Enterprise Linux 6*• Novell* SUSE* Linux Enterprise Server 10 (SLES10) x86 Edition• Novell* SUSE* Linux Enterprise Server 10 (SLES10) x64 Edition• Novell* SUSE* (SLES 11)
Management server run-time	<p>It is recommended to install the Intel® DCM server on a system with at least:</p> <ul style="list-style-type: none">• A dual-core processor of 2.6Ghz or higher• 4GB RAM• 60GB of hard drive space

Automatically installed by Intel® Data Center Manager:

- Sun Microsystems* Java Runtime Environment* 6
- Apache* Tomcat* application server
- JAX-WS web service engine
- PostgreSQL 8.3 Database