

Voltaire® Plug-in for Oracle Enterprise Manager Grid Control

Managing Oracle Grid



One console management of the RAC cluster with Voltaire Grid Control Plug-in

Voltaire's Grid Control Plug-in offers management, monitoring, and analysis of Voltaire's interconnect infrastructure.

By deploying the Voltaire Grid Control Plug-in into your Grid Control environment, you can monitor and analyze InfiniBand fabric performance in an Oracle RAC environment, create reports and set alerts for exception conditions from your Grid Control console.

Voltaire's Grid Control Plug-in integrates into existing Grid Control deployments, thus lowering operational costs and eliminating new management tool training needs. Oracle database administrators can now reduce downtime and shorten time to resolution of I/O issues and their impact on database instances from one central location.

Voltaire's Grid Control Plug-in was developed with support and validation by Oracle.

Central I/O and Interconnect Management

The Voltaire Grid Control Plug-in provides InfiniBand-specific information, obtained from the InfiniBand Subnet Manager, showing fabric availability, performance and health.

All fabric devices in the fabric are managed as part of the same Grid Control "Target", using an efficient central mechanism that gathers and aggregates information without exiting the Grid Control interface.

Efficient Monitoring and Troubleshooting

Voltaire's Grid Control Plug-in polls the ports of all switches and hosts in the fabric, and provides detailed information on traffic load and potential bottlenecks, as well as port errors and device health information.

Voltaire's Grid Control Plug-in displays traps generated by device-oriented SNMP alerts due to physical failures and critical fabric events. This feature enables Oracle database administrators to quickly identify and solve hardware issues, and to correlate fabric events with application events.

History and Detailed Reports

Using Grid Control data management capabilities, Oracle database administrators can obtain detailed historical information and produce management-level reports on fabric performance and health.

- Manage RAC cluster I/O interconnects using one interface
- Monitor interconnect and host information and quickly identify hardware failures and early failure warnings
- Monitor I/O fabric performance information and detect bottlenecks
- Quick root cause analysis of application-I/O fabric issues
- Management-level information on fabric health
- Generate I/O statistics and examine alert history and summary
- Voltaire Web-based support

Pre-requisites

- Oracle Enterprise Manager Grid Control must be installed on the OMS server.

Ordering Information

- Licensing: Grid Control Plug-In is licensed per managed device
- For product purchase please visit www.voltaire.com

Supported Platforms

- Oracle RAC 10gR2 or higher
- Oracle Enterprise Manager Grid Control 10.2.0.1 or higher
- Voltaire® Grid Director™ 4036 version 2.0