

## MODELS

### *Compaq Intelligent Cluster Administrator V2.1*

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#### *168843-B22 International*

As a stand-alone utility for Compaq HA/F100, HA/F500, and CL3800 customers

Compaq Intelligent Cluster Administrator V2.1 is included in the ProLiant Cluster HA/F500 Enhanced Cluster Kit (379937-B24), and the ProLiant Cluster HA/F500 Enhanced and Disaster Tolerant (DT) Kit (164227-B22).

*It is also a component of the ProLiant Cluster HA/F200 Cluster Kits:*

#### *380357-B22*

#### *380357-292 (Japan)*

- A Web-based administration utility for Compaq ProLiant Clusters supporting Microsoft Cluster Server
- Provides Policy Management which allows the system administrator a way to define conditions so that the system will automatically take corrective action when criteria is met
- Enhanced Application Availability wizard that leads users through the process of making the cluster aware of applications that are not designed to be highly available in MSCS
- Provides Web-based cluster administration tools for ease of cluster administration and control from anywhere at any time
- Supports Web access for local or remote administration
- Support for NT Server 4.0 Enterprise Edition, Windows 2000 Advance Server, and Windows 2000 Datacenter Server

## OVERVIEW

Compaq Intelligent Cluster Administrator is a Web-based anytime, anywhere utility for ease of cluster administration. This Compaq innovation supports Compaq ProLiant Clusters using Microsoft Cluster Server (MSCS) with NT Server 4.0 Enterprise Edition SP5 or later, Windows 2000 Advanced Server and Windows 2000 Datacenter Server. The Intelligent Cluster Administrator can be used stand-alone or integrated with Compaq's Insight Manager XE – Cluster Monitor.

The Intelligent Cluster Administrator is an advanced cluster utility that provides Web-enabled cluster administration and Single Point of Control for NT MSCS clusters. The Intelligent Cluster Administrator is one of Compaq's initial steps for its enterprise cluster administration and management strategy, designed to promote industry-standard product concepts in what has been a proprietary cluster management environment.

### Product Description

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Early releases provided ease of use and efficient cluster administration for NT MSCS clusters, enabling the administrator to have a Single Point of Control for all the clusters in the enterprise. This means that from an Internet Explorer or Netscape browser, the administrator could point to a cluster URL address and utilizing Compaq's Web enabled management agents, monitor and manage a Compaq ProLiant Cluster.

From the browser, the administrator can check for any cluster destabilizing conditions like CPU or storage utilization thresholds or application slowdowns and dynamically reallocate cluster resources to meet processing demands. The administrator can also perform work-arounds for cluster resources that may not be continuing cluster operations without causing the cluster to failover. This can all be done from the browser, thereby eliminating physically going to the cluster to use the local console or the LAN console to support the cluster.

New in Compaq Intelligent Cluster Administrator 2.1 is support for Windows 2000 Datacenter Server. Compaq Intelligent Cluster Administrator 2.1 also includes Policy Management – providing functions to simplify and extend the monitoring and management of Microsoft Cluster Servers. Policies are set up by defining conditions so that the Intelligent Cluster Administrator will automatically take corrective action when conditions are met.

## OVERVIEW *(continued)*

### Product Description *(continued)*

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Additional functions included in Version 2.1 are:

- Pre-configured Cluster Images which are selectable by the administrator to ease in initialization of a MSCS cluster
- Enhanced Application Availability Wizard (EAA)
- Generic Script Resource Type allowing for command line execution
- Security Policies
- Performance Policies
- Automatic Cluster Archive
- Policy Log Management

### Intelligent Cluster Administrator - state-of-the-art cluster configuration management facilities

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- Analyze and track changes to a specific cluster configuration
- Time-Based policies for scheduling system administration tasks to be performed at specific intervals
- Restore, update, or replicate cluster configurations
- Add, change, delete configuration log entries
- Compare an existing cluster configuration to a log configuration for differences
- Configuration policies check on the advisability of configuration changes
- Verify any configuration log cluster with any current cluster configuration
- Designate a cluster log configuration as the "ideal" configuration for optimal cluster state
- Export any current or cluster log configuration
- Import any current or cluster log configuration to the same or another physical cluster configuration
- Select from a series of preconfigured cluster configurations for ease of initialization of the MSCS cluster

The Intelligent Cluster Administrator frees the administrator from tedious control processes and time-consuming administration.

By allowing the administrator the ability via this flexible web-based utility to:

- Create new cluster configurations
- Model them against existing configurations
- Deploy the new, changed, or old configuration to the same cluster
- Point the cluster configuration to another physical cluster anywhere in the enterprise, making cluster administration faster and easier

### Summary

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Cluster administration can be accomplished without having to train the staff, by allowing a few administrators to manage all the clusters in the enterprise. This is Single Point of Control for cluster operational availability, integrity, and management. This, coupled with browser-based, anytime, anywhere access, is a testament to Compaq's management concept for ease of use, extensibility, and functional enhancements for Enterprise Systems Management.

## OVERVIEW *(continued)*

### Compaq Insight Manager XE – a complementary management interface for cluster monitoring

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Compaq Insight Manager XE – Cluster Monitor is a complementary application that works with the industry-standard management agents. It uses a browser as the user interface, providing easy access at anytime from anywhere on the Intranet. The management application, Compaq Insight Manager XE consists of three components:

- Management Services that provide a core set of capabilities—such as auto-discovery, identification, data collection, central repository, event management, basic notification and secure access—that are used by add-ins from Compaq, a Management Solutions Partner and/or an end-user of Compaq Insight Manager XE
- Systems Manager that provides real-time web access for data on managed Compaq systems, notification of events and the capability to perform management operations on a group of Compaq systems
- Cluster Monitor that provides real time event monitoring and display of cluster status insuring the administrator can react quickly to potentially destabilizing cluster events

Compaq Insight Manager XE features on-line HTML documentation and robust context-based help. Compaq Insight Manager XE continues to build on the Compaq commitment to superior systems management capabilities that lowers total cost of ownership by delivering a leadership management product.

### Intelligent Cluster Administrator Benefits

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#### *Reduces system management cost*

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This intuitive, easy to use tool is web-based for anytime, anywhere operation. It allows the administrator to handle cluster configuration management and deployment from anywhere in the enterprise, as long as a browser is available. The information is presented to the administrator in an intuitive interface which is consistent with Compaq Insight Manager XE subsystems.

#### *Improves operational efficiency and effectiveness*

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Manage your business—the way you want, when you want, where you want—with web browser access to the Intelligent Cluster Administrator. Intelligent Cluster Administrator allows for rapid cluster modeling, operational monitoring, and local or remote deployment, thus eliminating critical time lost due to travel or console-based configuration management. The Single Point of Control provided by the Intelligent Cluster Administrator allows increased operational efficiencies over traditional LAN or console-based configuration tools.

Intelligent Cluster Administrator Version 2.1 provides value-add by simplifying and extending the monitoring and managing of Microsoft Cluster Server. The Policy Management function differs from traditional management, in that it is proactive.

#### *Decreases application downtime*

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By knowing what cluster resources are required for each application, the administrator can dynamically reconfigure the cluster to eliminate failures and maintain operational efficiency for portions of the cluster without having the entire cluster go offline. The Intelligent Cluster Administrator will store optimal cluster configurations or special configurations based on operational needs, so the administrator can choose whichever configuration fits the need for that specific cluster to minimize application processing down time.

#### *Become immediately productive*

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By working with an existing cluster configuration via the “export utility,” the administrator can modify the configuration and “restore” it to its original cluster or “import” the cluster to another physical cluster. This provides rapid deployment of MSCS clusters across the enterprise, as well as lowers the learning curve by simplifying the setup and configuration, making available the management capabilities with limited investment.

### User Interface Requirements

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Netscape Communicator Version 4.5 or later  
Microsoft Internet Explorer 4.01 SP1 or later