



BMC MainView SecureHMC

Simplify command input, secure access and traffic, and monitor messages generated by the IBM® zEnterprise® Hardware Management Console (HMC) across all your local and remote data centers.

Key Benefits

- » Offers “one-click” HMC command interface to initiate IPL or capacity changes
- » Allows secure HMC access without physical access to the HMC
- » Requires no agent or new automation tools to be installed on the System z to access to HMC
- » Enables dynamic disaster recovery capabilities, allowing disaster recovery tests in remote locations to be run by local operations
- » Forwards HMC messages to BMC ProactiveNet Performance Management where rules can be run against them
- » Support for zEnterprise Unified Resource Manager (zManager)

Business challenge

With most critical company data residing in System z® environments, IT staff must monitor and manage those systems to ensure maximum availability and protect company assets. However, as new technologies, such as z/Enterprise, are deployed, the System z infrastructure is becoming more complex. LPAR counts are increasing — and mergers and acquisitions are introducing more sites and hybrid blades/components to the list of systems to be managed. The standard Hardware Management Console (HMC) can be cumbersome for operations, requiring navigation through the various panels to select basic commands, such as LOAD and RESET. For System z environments, providing flexible and secure access to the HMC is critical.

The BMC solution

As a licensed add-on to the BMC MainView Console Management for z/Enterprise product, BMC MainView SecureHMC enables you to access local and remote HMCs, as well as use the simplified “one click” interface for entering commands to IPL, make capacity changes, or kick off a standalone dump. Commands are predefined using the BMC MainView Secure HMC configuration tools. With the addresses and options preset, operators may enter the command with the click of a mouse.

Secure access

Many shops have not implemented individual user-id and access levels for the HMC, thus preventing any means of accountability. In addition, the use of a web browser for remote access to the HMC can create security risks.

BMC MainView SecureHMC is authenticated with resident security methodology (RACF, ACF2, Active Directory, or other LDAP-compliant sources) and is encrypted across networks. All commands entered directly to the HMC or those entered via our tool are logged for audit purposes. All traffic is SSL encrypted to prevent interception or hijacking.

The HMC control panel allows users to enter preconfigured commands, such as reset, load, activate, and deactivate, against a subset of systems that they are allowed to access based on user names or user authority. The command can then be accessed through a point-and-click interface, minimizing the steps required to enter command parameters.

The HMC panel is available in the BMC MainView Console Automation viewer. Just select the HMC you wish to send to a command by clicking on an HMC message or by selecting it from a drop-down list.

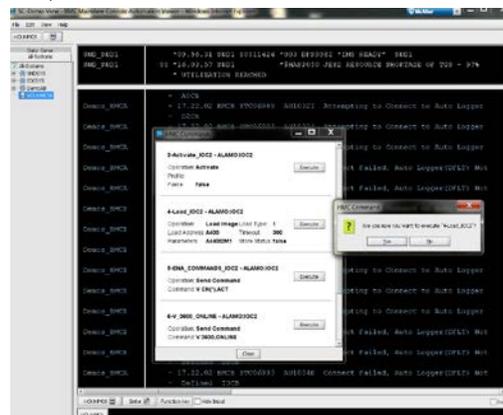


Figure 1. Execute an automate HMC script, in this case Load command to a specific LPAR.

BMC MainView SecureHMC support extends to the IBM zEnterprise Unified Resource Manager (zManager) to query information such as energy management.

Monitor and forward HMC messages

BMC MainView SecureHMC allows you to monitor HMC messages locally and remotely. HMC messages can be distributed to staff members, so the most appropriate staff members see messages that most pertain to them. Messages from many HMCs can be consolidated in a single BMC MainView Console Automation viewer.

HMC messages are gathered using standard HMC messaging protocols. The messages are gathered on a private network with the HMC, ensuring that the messages will not be transmitted unencrypted over the network or Internet. When the messages are transmitted to BMC MainView Console viewers, the messages are encrypted using SSL.

BMC MainView Console Management viewer allows users to consolidate HMC messages with NIP/IPL and Master Console messages, ensuring that the full picture of mainframe operations is displayed in a single location. This allows a user to monitor and manage all aspects of mainframe operations, securely from a single location.

Messages are collected and forwarded to the BMC ProactiveNet Performance Management solution. Bi-directional access provides BMC ProactiveNet Performance Management users with the ability to respond to master console or HMC messages by launching a secure remote console session within BMC ProactiveNet Performance Management.

Monitoring is “always on”

These critical HMC messages are integrated into BMC ProactiveNet Performance Management without requiring that new automation tools be installed on the System z. In the event that the BMC ProactiveNet Performance Management onboard solution is not available, such as during an IPL or shutdown, these messages are still available through an outboard viewer in the BMC MainView SecureHMC solution.

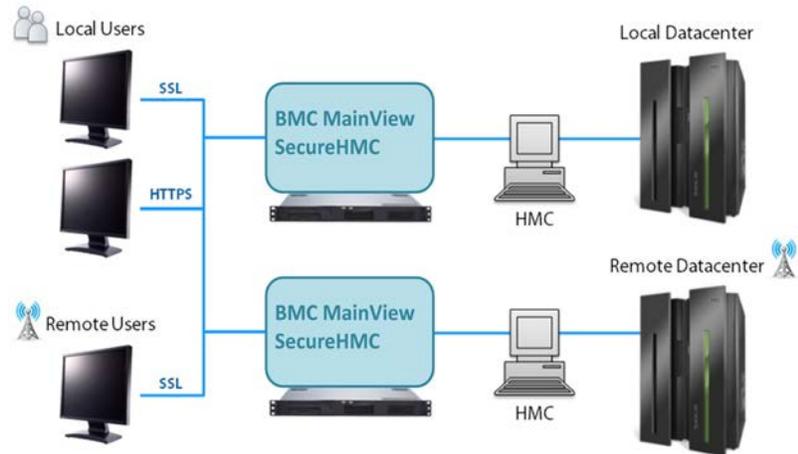


Figure 2. BMC MainView SecureHMC allows you to monitor, access, and issue commands to your HMCs securely and directly from your local workstation.

For More Information

With BMC MainView Console Management for z/Enterprise, including the BMC MainView Console Automation for z/Enterprise and BMC MainView SecureHMC license add-ons, you can consolidate and monitor worldwide data centers with integrated event management, secure remote access, and automation tools.

To learn more, please visit www.bmc.com/consolemanagement.

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