IPMI Appliance Management

https://campus.barracuda.com/doc/73719727/

With Intelligent Platform Management Interface (IPMI), administrators can perform maintenance on Barracuda CloudGen Firewall units and view Event Log messages. Since IPMI works independently of the firewall's firmware, it is accessible even when the firewall is available neither via Barracuda Firewall Admin nor SSH. Communication between the IPMI module and the user can be established either via the network or through a serial connection. Commands, settings, and event logs can easily be set and administered via a platform-independent web interface. IPMI appliance management is supported on the Barracuda CloudGen Firewall version F800 and above.

The following functions and information are available via the IPMI:

- Reboot
- Shutdown (forced or controlled)
- Power on
- Information on box and CPU fan
- Information on BIOS

Activating IPMI

Before using IPMI for the first time, you must set basic settings on your Barracuda CloudGen Firewall F. Follow these steps:

1. Go to **CONFIGURATION > Configuration Tree > Box > Advanced Configuration > System Settings**.
2. In the left menu, select **IPMI Settings**.
3. Click **Lock**.
4. To activate IPMI, select either **static** or **dynamic** in the **Remote access to IPMI functionality** menu. To deactivate IPMI, select **off**.
   - **static** – IPMI must be assigned a static IP address, subnet mask, and a standard gateway in order to be available on the network.
   - **dynamic** – IPMI is automatically assigned an IP address via DHCP.
5. If the firewall's serial console should be available via the IPMI interface, select **yes** in the **Enable Serial-over-LAN** menu.
6. Click **Send Changes** and **Activate**.

IPMI User Administration

Access to IPMI can be set for one or more users. The user **admin** is set by default. If you want to

change the password for the user **admin** or add other users, follow these steps:

1. Go to **CONFIGURATION > Configuration Tree > Box > Advanced Configuration > System Settings**.
2. In the left menu, select **IPMI Settings**.
3. Click **Lock**.
4. To change the password for the user **admin**, enter the new password in the **New** field and confirm it in the field **Confirm**.
5. To add new users, click **+** above the **IPMI Users** table.
6. Enter the username in the field **Username**.
7. To set the password for the new user, enter it in the field **New** and confirm it in the field **Confirm**.
8. Enter the desired authorization settings for this user in the field **Permission Level**.

User Level	Permissions
User	A standard user is allowed to primarily execute commands that can read data structures and retrieve status. Altering the baseboard management controller (BMC) configuration is not allowed.
Operator	An operator is allowed to execute all base management controller (BMC) commands except those that can change the behavior of the out-of-the-band interfaces. An operator is not allowed to disable individual channels or to change user access privileges.
Administrator	An administrator is allowed to execute all commands including configuration commands.

For details and more information on command number assignments and privilege levels, see the attached PDF-document Command Number Assignments and Privilege Levels IPMI.

Connecting to the IPMI Web Interface

To connect to the IPMI module via the web interface, open a web browser of your choice and connect to the IP address that was configured in the section *Activating the IPMI*.

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