



Configuring the BMC interface

StorageGRID

NetApp

October 03, 2025

This PDF was generated from <https://docs.netapp.com/us-en/storagegrid-115/sg100-1000/changing-root-password-for-bmc-interface-sg1000.html> on October 03, 2025. Always check docs.netapp.com for the latest.

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Configuring the BMC interface

The user interface for the baseboard management controller (BMC) on the services appliance provides status information about the hardware and allows you to configure SNMP settings and other options for the services appliance.

Steps

- [Changing the root password for the BMC interface](#)
- [Setting the IP address for the BMC management port](#)
- [Accessing the BMC interface](#)
- [Configuring SNMP settings for the services appliance](#)
- [Setting up email notifications for alerts](#)

Changing the root password for the BMC interface

For security, you must change the password for the BMC's root user.

What you'll need

The management client is using a supported web browser.

About this task

When you first install the appliance, the BMC uses a default password for the root user (`root/calvin`). You must change the password for the root user to secure your system.

Steps

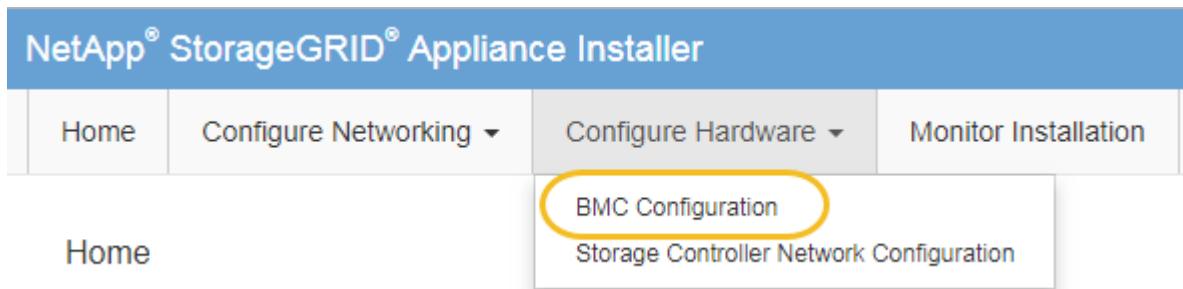
1. From the client, enter the URL for the StorageGRID Appliance Installer:

`https://services_appliance_IP:8443`

For `services_appliance_IP`, use the IP address for the appliance on any StorageGRID network.

The StorageGRID Appliance Installer Home page appears.

2. Select **Configure Hardware > BMC Configuration**.



The Baseboard Management Controller Configuration page appears.

3. Enter a new password for the root account in the two fields provided.

Baseboard Management Controller Configuration

User Settings

Root Password
Confirm Root Password

4. Click **Save**.

Setting the IP address for the BMC management port

Before you can access the BMC interface, you must configure the IP address for the BMC management port on the services appliance.

What you'll need

- The management client is using a supported web browser.
- You are using any management client that can connect to a StorageGRID network.
- The BMC management port is connected to the management network you plan to use.

SG100 BMC management port



SG1000 BMC management port



About this task



For support purposes, the BMC management port allows low-level hardware access. You should only connect this port to a secure, trusted, internal management network. If no such network is available, leave the BMC port unconnected or blocked, unless a BMC connection is requested by technical support.

Steps

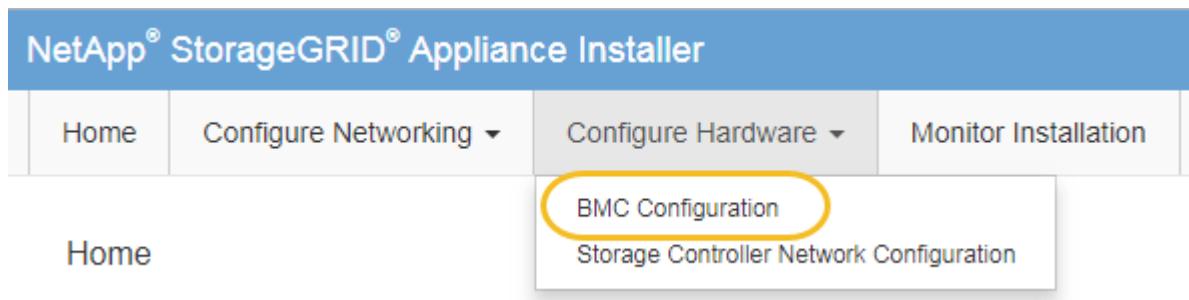
1. From the client, enter the URL for the StorageGRID Appliance Installer:

`https://services_appliance_IP:8443`

For `services_appliance_IP`, use the IP address for the appliance on any StorageGRID network.

The StorageGRID Appliance Installer Home page appears.

2. Select **Configure Hardware > BMC Configuration**.



The Baseboard Management Controller Configuration page appears.

3. Make a note of the IPv4 address that is automatically displayed.

DHCP is the default method for assigning an IP address to this port.



It might take a few minutes for the DHCP values to appear.

Baseboard Management Controller Configuration

LAN IP Settings

IP Assignment	<input type="radio"/> Static <input checked="" type="radio"/> DHCP
MAC Address	d8:c4:97:28:50:62
IPv4 Address (CIDR)	10.224.3.225/21
Default gateway	10.224.0.1

Cancel **Save**

4. Optionally, set a static IP address for the BMC management port.



You should either assign a static IP for the BMC management port or assign a permanent lease for the address on the DHCP server.

- a. Select **Static**.
- b. Enter the IPv4 address, using CIDR notation.
- c. Enter the default gateway.

Baseboard Management Controller Configuration

LAN IP Settings

IP Assignment Static DHCP

MAC Address d8:c4:97:28:50:62

IPv4 Address (CIDR) 10.224.3.225/21

Default gateway 10.224.0.1

Cancel **Save**

d. Click **Save**.

It might take a few minutes for your changes to be applied.

Accessing the BMC interface

You can access the BMC interface on the services appliance using the DHCP or static IP address for the BMC management port.

What you'll need

- The management client is using a supported web browser.
- The BMC management port on the services appliance is connected to the management network you plan to use.

SG100 BMC management port



SG1000 BMC management port



Steps

1. Enter the URL for the BMC interface:

https://BMC_Port_IP

For *BMC_Port_IP*, use the DHCP or static IP address for the BMC management port.

The BMC sign-in page appears.

2. Enter the root username and password, using the password you set when you changed the default root

password:
root

password



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3. Click **Sign me in**

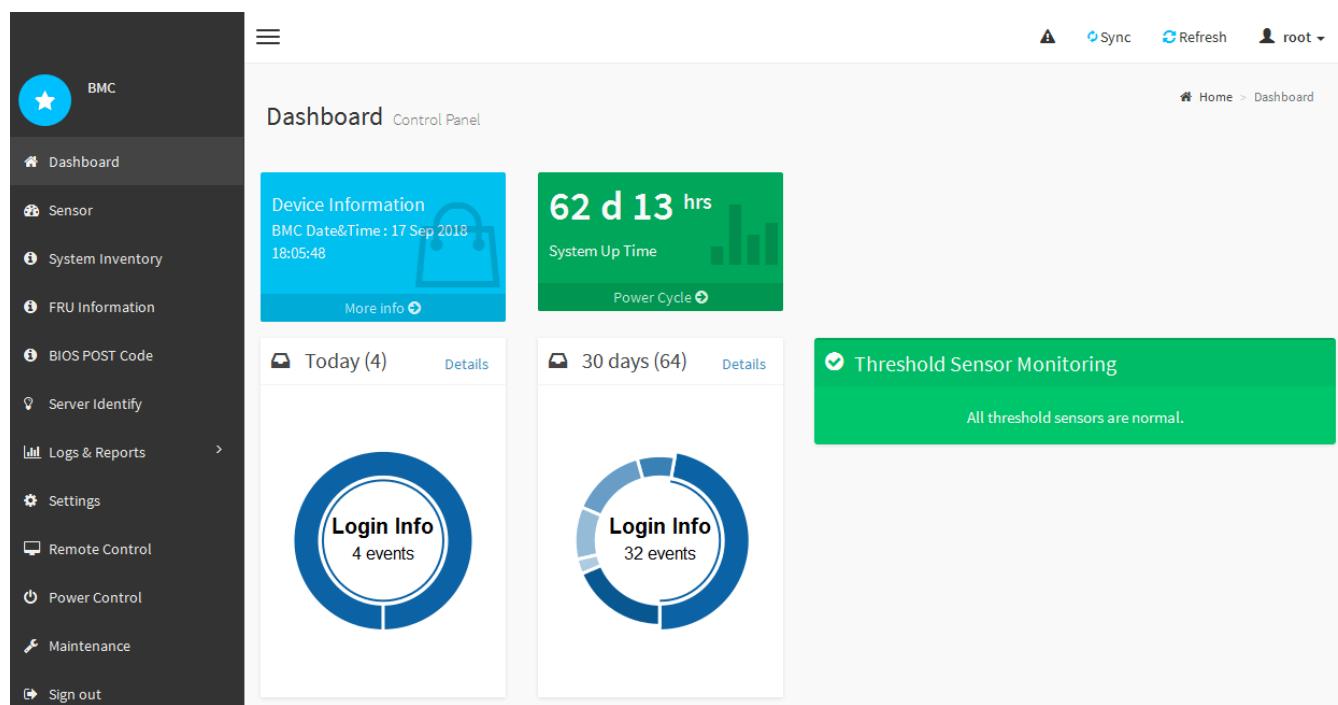
The BMC dashboard appears.

root

Remember Username

Sign me in

[I forgot my password](#)



4. Optionally, create additional users by selecting **Settings > User Management** and clicking on any "disabled" user.



When users sign in for the first time, they might be prompted to change their password for increased security.

Related information

[Changing the root password for the BMC interface](#)

Configuring SNMP settings for the services appliance

If you are familiar with configuring SNMP for hardware, you can use the BMC interface to configure the SNMP settings for the services appliance. You can provide secure community strings, enable SNMP Trap, and specify up to five SNMP destinations.

What you'll need

- You know how to access the BMC dashboard.
- You have experience in configuring SNMP settings for SNMPv1-v2c equipment.

Steps

1. From the BMC dashboard, select **Settings > SNMP Settings**.
2. On the SNMP Settings page, select **Enable SNMP V1/V2**, and then provide a Read-Only Community String and a Read-Write Community String.

The Read-Only Community String is like a user ID or password. You should change this value to prevent intruders from getting information about your network setup. The Read-Write Community String protects the device against unauthorized changes.

3. Optionally, select **Enable Trap**, and enter the required information.



Enter the Destination IP for each SNMP trap using an IP address. Fully qualified domain names are not supported.

Enable traps if you want the services appliance to send immediate notifications to an SNMP console when it is in an unusual state. Traps might indicate link up/down conditions, temperatures exceeding certain thresholds, or high traffic.

4. Optionally, click **Send Test Trap** to test your settings.
5. If the settings are correct, click **Save**.

Setting up email notifications for alerts

If you want email notifications to be sent when alerts occur, you must use the BMC interface to configure SMTP settings, users, LAN destinations, alert policies, and event filters.

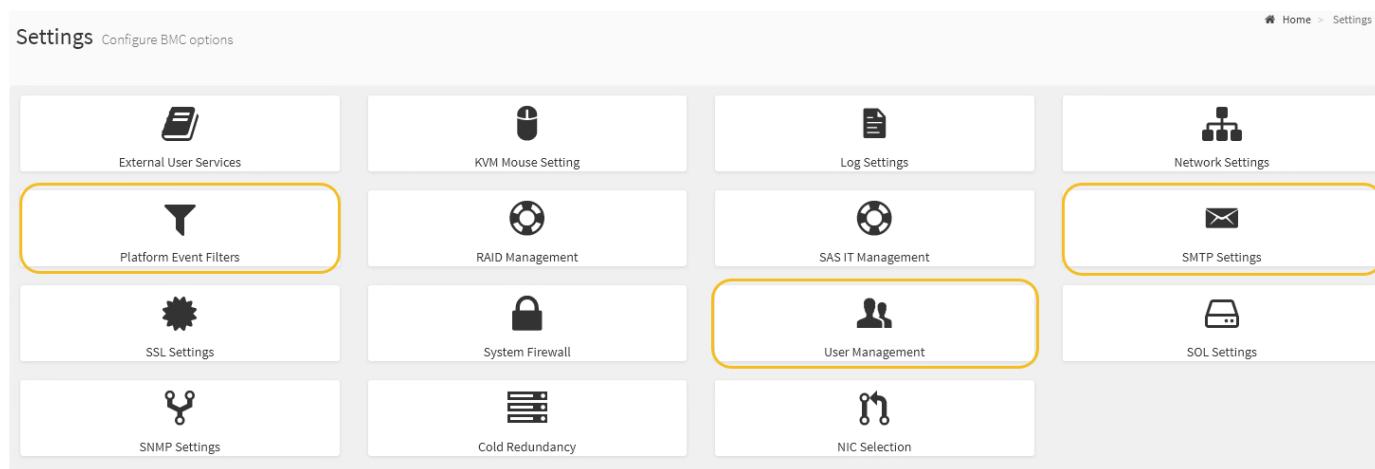
What you'll need

You know how to access the BMC dashboard.

About this task

In the BMC interface, you use the **SMTP Settings**, **User Management**, and **Platform Event Filters** options on

the Settings page to configure email notifications.



Steps

1. Configure the SMTP settings.
 - a. Select **Settings > SMTP Settings**.
 - b. For Sender Email ID, enter a valid email address.

This email address is provided as the From address when the BMC sends email.

2. Set up users to receive alerts.
 - a. From the BMC dashboard, select **Settings > User Management**.
 - b. Add at least one user to receive alert notifications.

The email address you configure for a user is the address the BMC sends alert notifications to. For example, you could add a generic user, such as "notification-user," and use the email address of a technical support team email distribution list.

3. Configure the LAN destination for alerts.
 - a. Select **Settings > Platform Event Filters > LAN Destinations**.
 - b. Configure at least one LAN destination.
 - Select **Email** as the Destination Type.
 - For BMC Username, select a user name that you added earlier.
 - If you added multiple users and want all of them to receive notification emails, you must add a LAN Destination for each user.
 - c. Send a test alert.
4. Configure alert policies so you can define when and where the BMC sends alerts.
 - a. Select **Settings > Platform Event Filters > Alert Policies**.
 - b. Configure at least one alert policy for each LAN destination.
 - For Policy Group Number, select **1**.
 - For Policy Action, select **Always send alert to this destination**.
 - For LAN Channel, select **1**.
 - In the Destination Selector, select the LAN destination for the policy.

5. Configure event filters to direct alerts for different event types to the appropriate users.
 - a. Select **Settings > Platform Event Filters > Event Filters**.
 - b. For Alert Policy Group Number, enter **1**.
 - c. Create filters for every event you want the Alert Policy Group to be notified about.
 - You can create event filters for power actions, specific sensor events, or all events.
 - If you are uncertain which events to monitor, select **All Sensors** for Sensor Type and **All Events** for Event Options. If you receive unwanted notifications, you can change your selections later.

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