

Gigabyte Server Management

Installation and Configuration Guide

Rev. 1.0

Copyright

© 2016 GIGA-BYTE TECHNOLOGY CO., LTD. All rights reserved.

The trademarks mentioned in this manual are legally registered to their respective owners.

Disclaimer

Information in this manual is protected by copyright laws and is the property of GIGABYTE.

Changes to the specifications and features in this manual may be made by GIGABYTE without prior notice. No part of this manual may be reproduced, copied, translated, transmitted, or published in any form or by any means without GIGABYTE's prior written permission.

Documentation Classifications

In order to assist in the use of this product, GIGABYTE provides the following types of documentations:

- For detailed product information, carefully read the User's Guide.

For more information, visit our website at:

<http://b2b.gigabyte.com>

You are a professional?

Get an access to our complete source of sales, marketing & technical materials at:

<http://reseller.b2b.gigabyte.com>



<https://www.facebook.com/gigabyteserver>

Table of Contents

Chapter 1 Getting Started	5
1-1 Using Your Gigabyte Server Management	5
1-2 Hardware Requirement	5
1-3 Software Requirement	5
1-3-1 Prerequisites on remote management server	5
1-4 Installing Gigabyte Server Management (Windows)	6
1-4-1 Installation Procedure	6
1-5 Installing Gigabyte Server Management (Linux)	10
1-5-1 Tomcat Installation Procedure	10
1-5-2 PostgreSQL Installation Procedure	10
1-5-3 Restore dbGSMv0XX.backup	11
1-5-4 pgadminIII Installation Procedure (Optional)	13
1-5-5 Login Gigabyte Server Management	14
Chapter 2 Gigabyte Server Management	15
2-1 Overview	15
2-2 Enter Gigabyte Server Management	16
2-2-1 Node List	17
2-2-1-1 Dashboard	18
2-2-1-2 Control Management	21
2-2-1-3 Monitor	23
2-2-1-4 SEL	24
2-2-1-5 Event Management	25
2-2-1-6 Setting	27
2-2-2 Group	33
2-2-2-1 Group Node List Dashboard	35
2-2-2-2 Group Update	37
2-2-2-3 Group Chassis	38
2-2-2-4 Group Virtual Media	40
2-2-2-5 Group Log	42
2-2-2-6 Group Power Consumption	43
2-2-2-7 Group Network Configuration	43
2-2-2-8 Group PEF	44
2-2-2-9 Group Trap	45
2-2-2-10 Group Users	46
2-2-3 GSM	47
2-2-3-1 Log	48
2-2-3-2 SNMP	49

2-2-3-3 SMTP.....	50
2-2-3-4 Database Update.....	51
2-2-4 Setting	52
2-2-4-1 GSM Configuration.....	52
2-2-4-2 User Management	53
2-2-4-3 TFTP Setting	53
2-2-4-4 GSM Update.....	54
2-2-4-5 Reset	54
2-2-5 Status	55
2-2-6 Help.....	56
Chapter 3 Appendix	57
3-1 Event Log List	57

Chapter 1 Getting Started

1-1 Using Your Gigabyte Server Management

Gigabyte Server management has a user-friendly Graphics User Interface (GUI) called the Gigabyte Server management GUI. It is designed to be easy to use. It has a low learning curve because it uses a standard Internet browser. You can expect to be up and running in less than five minutes. This chapter allows you to become familiar with the Gigabyte Server management GUI's various functions. Each function is described in detail.

1-2 Hardware Requirement

Before using Gigabyte Server Management , please check your system for the following required configuration requirements:

- System Processor: 2 GHz and above
- System Memory: Minimum 4 GB RAM
- Free Disk Space: 1000 GB at least
- Node servers : 255 maximum

1-3 Software Requirement

1-3-1 Prerequisites on remote management server

Supported Browsers:

- Internet Explorer 9 or later
- Google Chrome 39.0.2171.65 m or later
- Mozilla Firefox 33.1.1

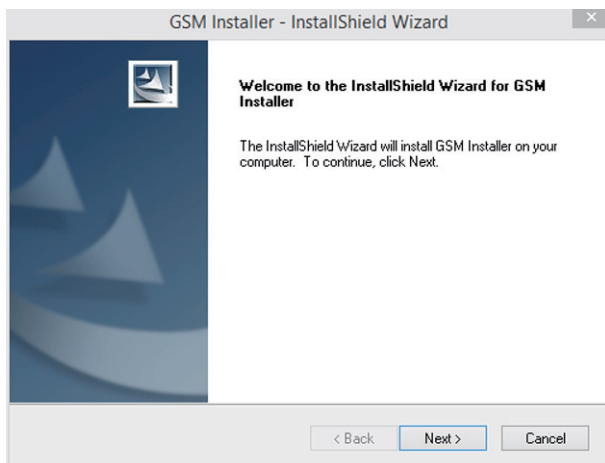
Operating System:

- Windows 2008 & 2012 R2
- Redhat/CentOS 6.3 or later

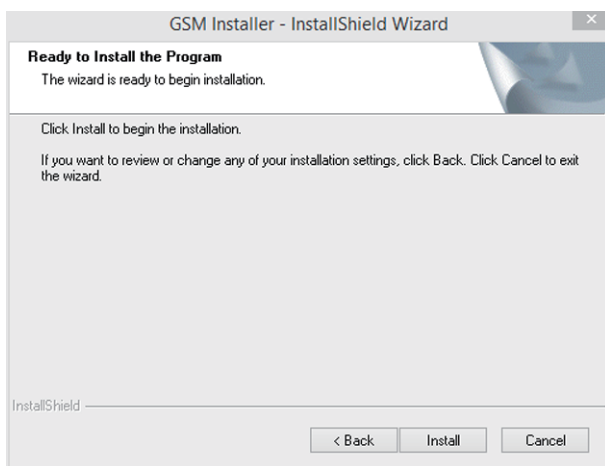
1-4 Installing Gigabyte Server Management (Windows)

1-4-1 Installation Procedure

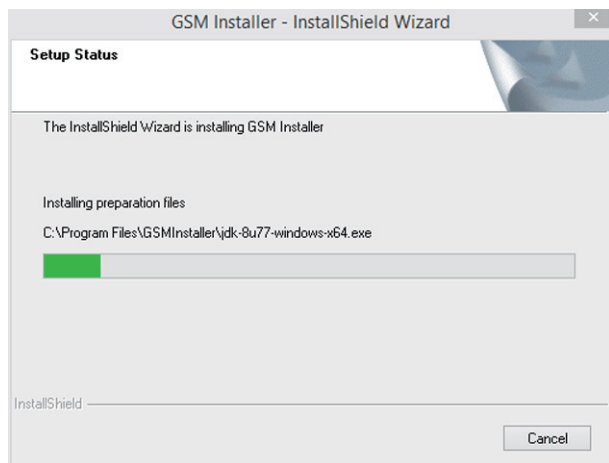
1. Unzip the file and run **GSM_Setup.exe**.
2. Then, a series of installation wizards appear.
3. Click **Next**.



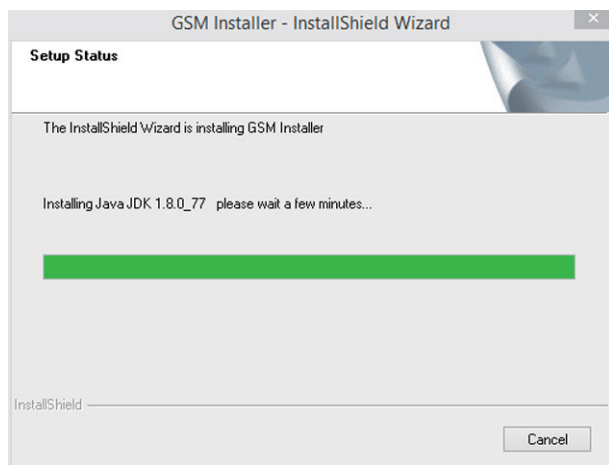
4. Click **Install** to start the installation.



5. Installing preparation files.

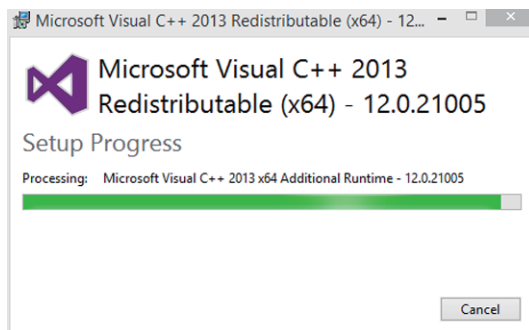


6. Installing Java JDK, this may take few minutes to complete installation.

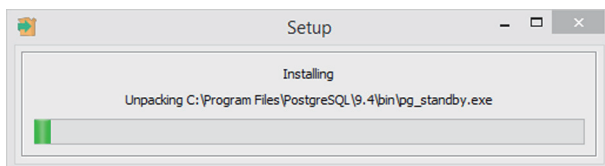


CAUTION! Please make sure you have enough space on your hard drive for the program.

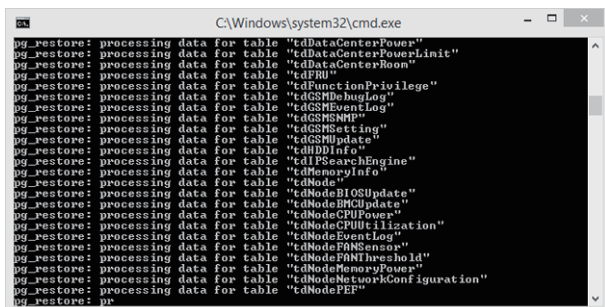
7. Installing Visual C++.



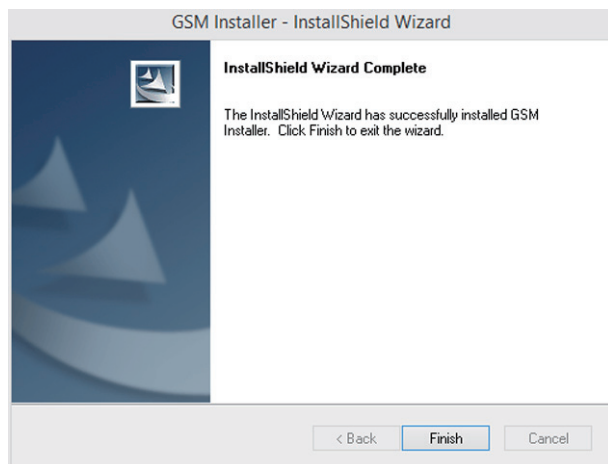
8. Installing PostgreSQL.



9. Setting Database of PostgreSQL.



10. Installation completed, click **Finish**.



1-5 Installing Gigabyte Server Management (Linux)

1-5-1 Tomcat Installation Procedure

1. Unzip apache-tomcat-7.0.47.tar.gz
`tar -zxvf apache-tomcat-7.0.47.tar.gz`
2. Move apache-tomcat-7.0.47 to /root/tomcat7
`mv apache-tomcat-7.0.47 /root/tomcat7`
3. Move GSM.war to /root/tomcat7/webapps
`mv GSM.war /root/tomcat7/webapps`
4. Execute startup.sh
`cd /root/tomcat7/bin`
`./startup.sh`

1-5-2 PostgreSQL Installation Procedure [Ubuntu]

1. Install default-jre
`apt-get install default-jre`
2. Install PostgreSQL
`apt-get install postgresql postgresql-contrib`
3. Open up postgresql.conf file in your favorite editor
`vi /etc/postgresql/9.3/main/postgresql.conf`
4. Alter the listen_addresses as below:
`listen_addresses = '*'`

[Cent OS/RedHat]

1. Remove the old PostgreSQL package.
`yum remove postgresql*`
2. Locate and edit your distributions .repo file, located:
[CentOS] `vi /etc/yum.repos.d/CentOS-Base.repo` ([base] and [updates] sections)
[Red Hat] `vi /etc/yum/pluginconf.d/rhnplugin.conf` ([main] section)
3. To the section(s) identified above, you need to append a line:
`exclude=postgresql*`

4. Download PGDG RPM file
 [CentOS] curl -O
http://yum.postgresql.org/9.3/redhat/rhel-6-x86_64/pgdg-centos93-9.3-1.noarch.rpm
 [Red Hat] curl -O
http://yum.postgresql.org/9.3/redhat/rhel-6-x86_64/pgdg-redhat93-9.3-1.noarch.rpm
5. Install PGDG RPM file
 [CentOS] rpm -ivh pgdg-centos93-9.3-1.noarch.rpm
 [Red Hat] rpm -ivh pgdg-redhat93-9.3-1.noarch.rpm
6. Install PostgreSQL
 yum install postgresql93-server
7. Initialize
 service postgresql-9.3 initdb
8. Startup
 chkconfig postgresql-9.3 on

1-5-3 Restore dbGSMv0XX.backup

1. Modify pg_hba.conf file

[Ubuntu]

```
vi /etc/postgresql/9.3/main/pg_hba.conf
```

[CentOS / Red Hat]

```
vi /var/lib/pgsql/9.3/data/pg_hba.conf
```

2. Edit

TYPE	DATABASE	USER	ADDRESS	METHOD
Local	all	all→postgres		peer→trust
host	all	all→postgres	127.0.0.1/32	indent→trust
host	all	all→postgres	:::1/128	indent→trust

:wq to save edited file.

3. Start service

[Ubuntu]

```
service postgresql restart
```

[CentOS / Red Hat]

```
service postgresql-9.3 start
```

4. Create database

```
createdb -U postgres dbGSM
```

5. Restore dbGSMv0XX.backup to database

```
pg_restore -h 127.0.0.1 -p 5432 -U postgres -d dbGSM -v "dbGSMv0XX.backup"
```

1-5-4 pgadminIII Installation Procedure (Optional)

[CentOS]

1. Install pgadmin3
yum install pgadmin3_93
2. Execute pgadmin3
pgadmin3 &
3. File -> Add server

[Redhat]

1. Get wxBase
curl -O
http://yum.postgresql.org/9.2/redhat/rhel-6.5-x86_64/wxBase-2.8.12-1.el6.x86_64.rpm
2. Install wxBase
rpm -ivh wxBase-2.8.12-1.el6.x86_64.rpm
3. Get wxGTK
curl -O
http://yum.postgresql.org/9.2/redhat/rhel-6.5-x86_64/wxGTK-2.8.12-1.el6.x86_64.rpm
4. Install wxGTK
rpm -ivh wxGTK-2.8.12-1.el6.x86_64.rpm
5. Get PgAdmin3
curl -O
[http://yum.postgresql.org/9.3/redhat/rhel-6.5-x86_64/pgadmin3_93-1.18.1-2.rhel6.x86_64.](http://yum.postgresql.org/9.3/redhat/rhel-6.5-x86_64/pgadmin3_93-1.18.1-2.rhel6.x86_64.rpm)
rpm
6. Install PgAdmin3
rpm -ivh pgadmin3_93-1.18.1-2.rhel6.x86_64.rpm
7. Execute pgadmin3
pgadmin3 &
8. File -> Add server

1-5-5 Login Gigabyte Server Management

1. Open a browser and enter URL
`http://localhost:8080/GSM/`

2. Enter Database User Name
`postgres`

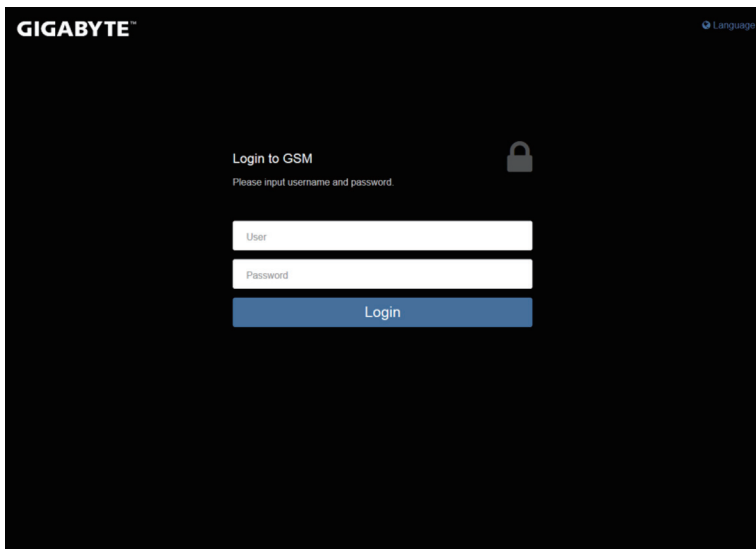


- This utility supported CentOS 6.3 or later version.
- PostgreSQL must be execute in root authority.
- In Fedora 19, you have to install package in the following:
Locate and edit your distributions .repo file, located:
`vi /etc/yum.repos.d/fedora.repo` and `/etc/yum.repos.d/fedora-updates.repo`
([fedora] sections)

Install PGDG RPM file:
`curl -O`
`http://yum.postgresql.org/9.3/redhat/rhel-6-x86_64/pgdg-centos93-9.3-1.noarch.rpm`

Initialize:
`/usr/pgsql-9.3/postgresql93-setup initdb`

2-1 Overview



1. Open a web browser and type in your identified IP. The IP address can be found using your DHCP server.
2. Enter the following values:
 - Username: **admin**
 - Password: **password**

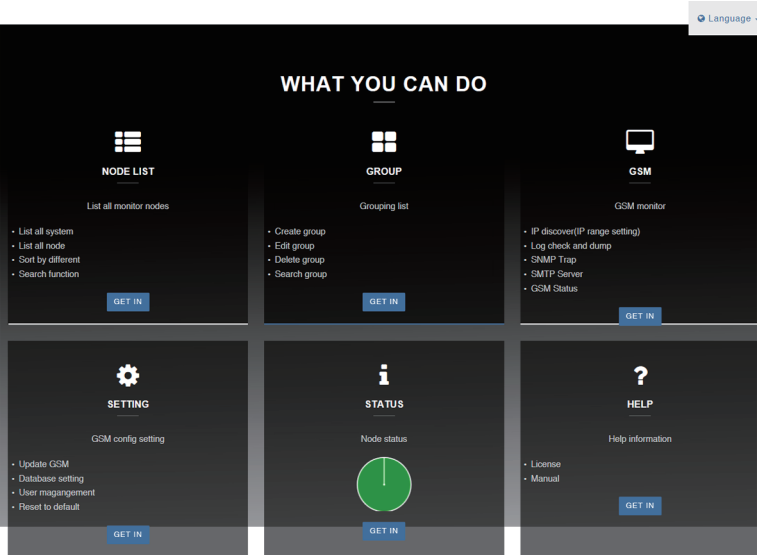


• The default user name and password are in lower-case characters.

• When you log in using the root user name and password, you have full administrative powers. It is advised that once you log in, you change the root password.

2-2 Enter Gigabyte Server Management

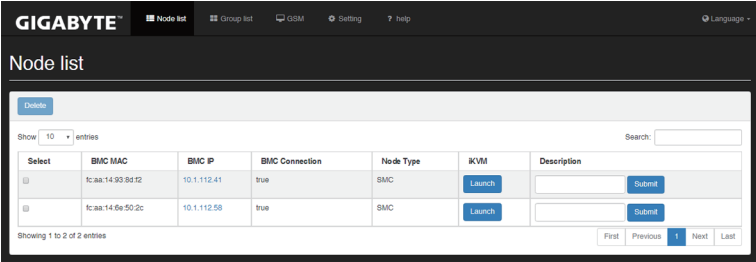
After you successfully log into your Gigabyte Server Management, the Remote Management GUI appears. Click **GET IN** for advanced configuration.



2-2-1 Node List

Node List provides the function of List all system, List all node, Sort by different, and Search function of current remote client system.

Node list

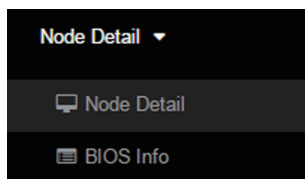


Parameter	Decription/Resulting Action
Select	Check Select box to configure connected nodes in the same group.
BMC MAC	Displays the connected Node BMC MACaddress information.
BMC IP	Displays the Node BMC IP address. Click on selected IP to view the Node dashboard information and Node remote management functions. The Node remote management function is described in section 2-2-1 Dashboard .
BMC Connection	Displays the Node BMC connection status.
Node Type	Displays the Node type information. There are three type of Node management: • BMC: Baseboard management controller, which gives a user or administrator the ability to control a remote system and the ability to perform a variety of functions. With BMC, data only transmitted in the local network area. • CMC: Chassis Management Controller, which provides function for managing multiple server chassis. CMC is higher level control and monitoring of one or multiple chassis. • RMC: Remote Management Controller. Similar with BMC, RMC provides LAN-based system console access as wellas remote system management functions. RMC provides out-of-the-band functions and giving you complete access to your server from any location via a web browser.
iKVM	Provides iKVM function for specified system. To activate the iKVM function, click Select check box, and click Launch tab.
Description	User can add description for selected node.

2-2-1-1 Dashboard

Dashboard contains two categories: **Node Detail** and **BIOS Info**.

Note Detail provides basic remote management configuration for single node.



Detail

The **Detail** is a display page for basic system health information, such as FRU information, and software information. Items on this window are non-configurable.

FRU	
Chassis Type	RackMountChassis
Chassis Part Number	01234567
Chassis Serial	01234567890123456789AB
Board Mfg Date	Tue Jul 12 02:48:00 PDT 2016
Board Mfg	GIGABYTE
Board Product	MD90-F80-ZB
Board Serial	EIBN6600119
Board Part Number	01234567
Product Manufacturer	GIGABYTE
Product Name	R180-F28-ZB
Product Part Number	0000000000001
Product Version	0100
Product Serial	01234567890123456789AB
Product Asset Tag	01234567890123456789AB
Software	
BMC Version	4.21
BIOS Version	R03
LAN 1 MAC	fc:aa:14:93:8d:f0
LAN 2 MAC	fc:aa:14:93:8d:f1
LAN 3 MAC	00:00:00:00:00:00
LAN 4 MAC	00:00:00:00:00:00

Monitor

The **Monitor** displays displays a real-time record of the node system fan and voltage information. Items on this window are non-configurable.

10.1.112.41 Sensor Monitor

 SDR

Search:

Show 10 entries

status	Probe Name	Reading	Lower Non-Critical	Upper Non-Critical	Lower Critical	Upper Critical	Lower Non-Recoverable	Upper Non-Recoverable
NA	DIMM_P0_A0	NA	5	75	0	80	0	0
NA	DIMM_P0_A1	NA	5	75	0	80	0	0
NA	DIMM_P0_A2	NA	5	75	0	80	0	0
NA	DIMM_P0_B0	NA	5	75	0	80	0	0
NA	DIMM_P0_B1	NA	5	75	0	80	0	0
NA	DIMM_P0_B2	NA	5	75	0	80	0	0
NA	DIMM_P0_C0	NA	5	75	0	80	0	0
NA	DIMM_P0_C1	NA	5	75	0	80	0	0
NA	DIMM_P0_C2	NA	5	75	0	80	0	0
NA	DIMM_P0_D0	NA	5	75	0	80	0	0

Previous

1

2

3

4

5

...

9

Next

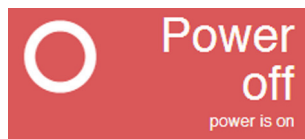
Identify

Identify provides node system identification function. When you click on the **Identify** tab, the ID button of remoted node system will be light on for 15 seconds.



Power

Power provides node system power control operation. You can power on or power off the node system remotely. To perform the power control operation, just simply click on the tab.



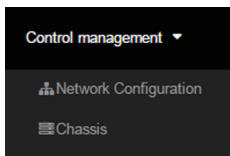
BIOS Info

The **BIOS Info** is a display page for system manufacturer information and software technical information, such as BIOS information, and firmware information. Items on this window are non-configurable.

Type0 BIOS Information:	
* Vendor:	GIGABYTE
* BIOS version:	R03
* BIOS release date:	05/19/2016
Type1 System Information:	
* Manufacturer:	GIGABYTE
* Product name:	R180-F28-ZB
* Version:	0100
* Serial number:	01234567890123456789AB
* SKU number:	01234567890123456789AB
* Family:	Server
Type3 System Enclosure:	
* Manufacturer:	GIGABYTE
* Version:	01234567
* Serial number:	01234567890123456789AB
* Asset tag number:	01234567890123456789AB
* SKU number:	01234567890123456789AB
Type4 Processor Information:	
* Socket designation:	SOCKET 0
* Processor manufacturer:	Intel
* Processor version:	Intel(R) Xeon(R) CPU E5-2689 v4 @ 3.10GHz
* Serial number:	

2-2-1-2 Control Management

Control management contains two categories: **Network configuration** and **Chassis configuration**. Each category will be described in the following section.



Network Configuration

Network Configuration provides IPv4 and IPv6 configuration.

When you finish configuration, click **Submit** to save configuration.

10.1.112.41 Network Config

Network configuration	
IPv4 Settings	
Enabled	Enable
Use DHCP	☒
IP Address	10.1.112.41
Subnet Mask	255.255.255.0
Gateway	10.1.112.253
IPv6 Settings	
Enabled	Enable
Use DHCP	☒
IP Address	2001:db8:1234:5678:f
Gateway	:
Link Local Address	fe80::feaa:14ff:fe93:8d2/64
Submit	

Chassis Configuration

Chassis Configuration allows you to power off/cycle and hard reset the remote host system. Additionally you can see the remote power status.

Node Type:ON

Power Control



Chassis Identify

Light on chassis identify in second(s)

Boot Option

Restore BIOS default settings

Select files for restore BIOS default settings.

For BIOS load default setup, need to check below files contain:
nvram.log
biosinfo.txt

Icon	Decription/Resulting Action
	Power off system.
	Power cycle system.
	hard reset system.
Parameter	Decription/Resulting Action
Chassis Identify	Define the chassis lighting time. When you finish configuration, click Submit .
Boot Option	Define the chassis lighting time. Select boot option by clicking specified device tab.
Restore BIOS default settings	Click Browse and select the file on your local system and click Restore to restore BIOS default setting.

2-2-1-3 Monitor

You can find a real-time record of the node system fan and voltage information in **Sensor Monitoring**.

10.1.112.41 Sensor Monitor

SDR

Show 10 entries

Search:

status	Probe Name	Reading	Lower Non-Critical	Upper Non-Critical	Lower Critical	Upper Critical	Lower Non-Recoverable	Upper Non-Recoverable
NA	DIMM_P0_A0	NA	5	75	0	80	0	0
NA	DIMM_P0_A1	NA	5	75	0	80	0	0
NA	DIMM_P0_A2	NA	5	75	0	80	0	0
NA	DIMM_P0_B0	NA	5	75	0	80	0	0
NA	DIMM_P0_B1	NA	5	75	0	80	0	0
NA	DIMM_P0_B2	NA	5	75	0	80	0	0
NA	DIMM_P0_C0	NA	5	75	0	80	0	0
NA	DIMM_P0_C1	NA	5	75	0	80	0	0
NA	DIMM_P0_C2	NA	5	75	0	80	0	0
NA	DIMM_P0_D0	NA	5	75	0	80	0	0

Previous

1

2

3

4

5

...

9

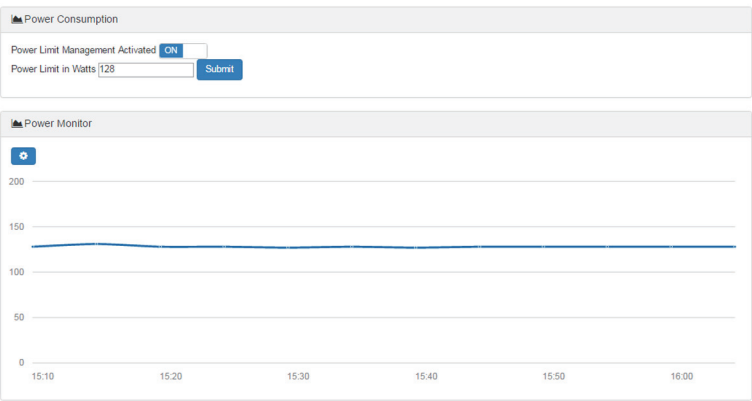
Next

Power Consumption^(Note)

This screen displays information on the system power consumption. The information includes Current Power Consumption, Power consumption configuration and Power consumption monitoring.

To configure power limit, set Power Limit Management Activated to **ON** and input the value in the respective column. Click **Submit** to save configuration.

10.1.112.41 Power Consumption Monitor



NOTE! Function available on selected models.

2-2-1-4 SEL

SEL displays the connected Node system event log information.

Click **Refresh** to update current system SEL.

Click **Clear** to clear current system SEL.

Click **Download** to download current system SEL.

10.1.112.41 SEL

RefreshClearDownload

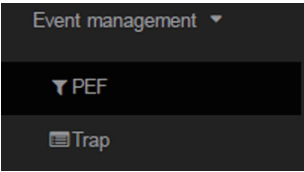
Show 10 entriesSearch:

	Source	TimeStamp	Description	Sensor number	Event dir	Sens
	N/A	N/A	N/A	N/A	N/A	N/A

Showing 1 to 1 of 1 entriesPrevious1Next

2-2-1-5 Event Management

Event management contains two categories: **PEF** and **Trap**. Each category will be described in the following section.



PEF

A platform event filter (PEF) can trigger an action and generate an alert when a critical hardware-related event occurs. For each PEF, you can choose the action to be taken when a platform event occurs.

You can also choose to generate and send an alert when a platform event occurs. In the Platform Events screen, you can enable the generation of platform event alerts globally by clicking **Global Alerting Enable**.

10.1.112.41 PEF

Platform Events Filters (PEF) Action Global Control List

Action Name

☒ Reboot

☒ Power Cycle

☒ Power Off

☒ Generate PET

Platform Events Filters (PEF) List

☒ Global Alerting Enable * Note: (This enables/disables both PEF alerts).

Filter Name	None	Reboot	Power Cycle	Power Off	Generate PET
Threshold Type, Temperature Critical Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Threshold Type, Temperature Warning Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Threshold Type, Voltage Critical Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Threshold Type, Voltage Warning Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Threshold Type, Fan Critical Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Threshold Type, Fan Warning Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Sensor-specific Type, Chassis Intrusion Critical Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Sensor-specific Type, Processor Critical Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Sensor-specific Type, Power Supply Critical Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Sensor-specific Type, Memory Critical Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐

Trap Setting

In the Trap Settings, user can set the IPv4 and Ipv6 Destination List. IPv6 and IPv4 are two completely separate protocols. IPv6 is not backwards compatible with IPv4, and IPv4 hosts and routers will not be able to deal directly with IPv6 traffic. IPv6 has a significantly larger address space than IPv4. This results from the use of a 128-bit address, whereas IPv4 uses only 32 bits. When you finish the configuration, click **Submit** to save configuration.

10.1.112.41 Trap

Trap Setting

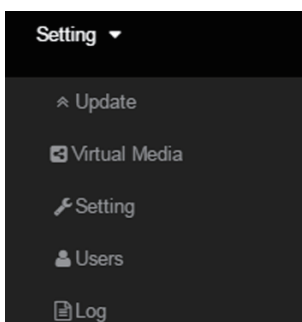
IPv4 Destination	Enable	IPv4 Address
1	☐ OFF	0.0.0.0
2	☐ OFF	0.0.0.0
3	☐ OFF	0.0.0.0
4	☐ OFF	0.0.0.0

IPv6 Destination	Enable	IPv6 Address
1	☐ OFF	::
2	☐ OFF	::
3	☐ OFF	::
4	☐ OFF	::

Submit

2-2-1-6 Setting

Setting provides general system configuration for specified node.



Update

Update page provides functions for BIOS, BMC firmware, logo and CPLD update remote for specified node.

1. To update BIOS or firmware, select update type.
2. Select the file on your local system using **Browse**.
3. Click **Update** to update the new version of BIOS or firmware.
4. To update logo, select the file on your local system using **Browse**.
5. Click **Update** to update a new logo.
6. To update CPLD, select the file on your local system using **Browse**.
7. Click **Update** to update CPLD.

10.1.112.22 Update

Update node

Last log

BIOS Version: R01
BMC Version: 4.21

Select package and update

BIOS

Browse Update

Update Logo

Select image and update

Browse Update

The upload file should include logo_left.png and logo_background.png packaged as tar, and should smaller than 50KB.

Update CPLD

Select files and update

Browse Update

This upload file, automation should follow this order: flash bios image / flash bios the



NOTE! GSM has built-in TFTP server, users have to activate TFTP server and configure GSM server IP address before updating BIOS, BMC or CPLD.

Virtual Media

User can mount an ISO Image via Virtual Media function page.

Follow the instructions below to mount or unmount an ISO image.

1. To mount an ISO image, select the ISO image and click **Mount**.

10.1.7.227 Virtual Media

Virtual Media

Select	File Name	File Size (MB)	File Path
☐	ubuntu-14.04.1-desktop-i386.iso	987.00	C:\Eclipse\vmcli\ubuntu-14.04.1-desktop-i386.iso
☐	ubuntu-14.04.4-desktop-amd64.iso	1020.00	C:\Eclipse\vmcli\ubuntu-14.04.4-desktop-amd64.iso
☐	ubuntu-15.10-desktop-amd64.iso	1123.80	C:\Eclipse\vmcli\ubuntu-15.10-desktop-amd64.iso
☐	ubuntu-16.04-desktop-amd64.iso	1417.05	C:\Eclipse\vmcli\ubuntu-16.04-desktop-amd64.iso
☐	ubuntu-16.04-server-amd64.iso	655.00	C:\Eclipse\vmcli\ubuntu-16.04-server-amd64.iso
☐	WinLiteXPsp3.iso	640.19	C:\Eclipse\vmcli\WinLiteXPsp3.iso

*Not yet supported on windows.

Mount

Unmount

Virtual Media Status

BMC IP	Status	Information
10.1.7.227	SUCCESS	vmcli\ubuntu-14.04.1-desktop-i386.iso mount on node server : 10.1.7.227 successfully !!

Close

2. To unmount an ISO image, select the ISO image and click **Unmount**.

Virtual Media Status

BMC IP	Status	Information
10.1.7.227	SUCCESS	Node server : 10.1.7.227 image file unmount successful !!

Close



NOTE! Virtual Media does not support Windows operating system.

Setting

This page provides function for generating a specific user. Enter User Name and Password in respective columns, and click **Submit** to create a new user account.

BMC Users

User List				
User ID	Enable	Name	Password	Privilege Level
2	☒	admin		Administrator ▾
3	☒	ADMIN		Administrator ▾
4	☐	None		User ▾
5	☐	None		User ▾
6	☐	None		User ▾
7	☐	None		User ▾
8	☐	None		User ▾
9	☐	None		User ▾
10	☐	None		User ▾
11	☐	None		User ▾
12	☐	None		User ▾
13	☐	None		User ▾
14	☐	None		User ▾
15	☐	None		User ▾

User

Displays user list.and pvvides the configuration of channel privilege level.

BMC Users

User List				
User ID	Enable	Name	Password	Privilege Level
2	☒	admin		Administrator ▾
3	☒	ADMIN		Administrator ▾
4	☐	None		User ▾
5	☐	None		User ▾
6	☐	None		User ▾
7	☐	None		User ▾
8	☐	None		User ▾
9	☐	None		User ▾
10	☐	None		User ▾
11	☐	None		User ▾
12	☐	None		User ▾
13	☐	None		User ▾
14	☐	None		User ▾
15	☐	None		User ▾

Channel Privilege Level	
User	This may be considered the lowest privilege level.
Operator	All BMC commands are allowed, except for configuration commands that can change the behavior of the out-of-band interfaces. For example, Operator privilege does not allow the capability to disable individual channels, or change user access privileges.
Administrator	All BMC commands are allowed, including configuration commands. An Administrator can even execute configuration commands that would disable the channel that the Administrator is communicating over.

Log

Log records the event when sensor has an abnormal state. When the log matches the pre-defined alert, the system sends out the notification automatically, if it is pre-configured.

To clear the event lot, click **Clear**.

To save the event lot, click **Download**.

10.1.112.22 Log

ClearDownload

Show10▼ entriesSearch:

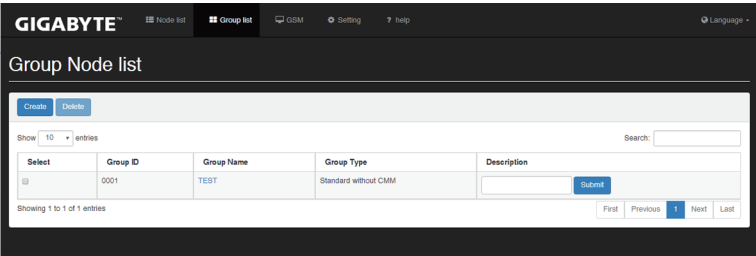
Timestamp	Level	Description
2016-07-21 15:39:39.085+08	1	Get power reading fail
2016-07-21 15:44:41.83+08	1	Get power reading fail
2016-07-21 15:49:39.355+08	1	Get power reading fail
2016-07-21 15:54:42.633+08	1	Get power reading fail
2016-07-21 15:59:34.422+08	1	Get power reading fail
2016-07-21 16:04:37.806+08	1	Get power reading fail
2016-07-21 16:09:37.453+08	1	Get power reading fail
2016-07-21 16:14:37.834+08	1	Get power reading fail
2016-07-21 16:19:40.634+08	1	Get power reading fail
2016-07-21 16:24:36.881+08	1	Get power reading fail

Showing 1 to 10 of 34 entriesPrevious1234Next

2-2-2 Group

Group provides the function of Create group, Edit group, Delete group, and Search function of current remote grouped client systems. Click **GET IN** for advanced configuration.

Group Node list



Parameter	Decription/Resulting Action
Select	Check Select box to configure connected nodes in the same group.
Group ID	Displays the connected group ID information.
Group Name	Displays the group name. Click on selected Group Name to view the Group dashboard information and Gropu remote management functions.
Group Type	Displays the group type information.
Description	User can add description for selected group. When finish configuration, click Submit .

Create a Group

1. Click **Create**.
2. Define new group name in the respective column.
3. Select Group type from the drop-down list.
4. When finish configuration, click **Submit**.

Create Group

Group Name	
Group Type	OpenRack1.0

Delete a Group

1. Select the specified group by checking **Select** box.
2. When finish configuration, click **Delete**.

GIGABYTE Node list **Group list** OSM Setting Help Language

Group Node list

Show 10 entries Search:

Select	Group ID	Group Name	Group Type	Description
☐	0001	TEST	Standard without CMM	Submit

Showing 1 to 1 of 1 entries

2-2-2-1 Group Node List Dashboard

When you enter the Group Server interface, there are various categories on the side bar: **Dashboard** and nine other options: **Group Update**, **Group Chassis**, **Group Virtual Media**, **Group Log**, **Group Power Consumption Monitor**, **Group Network Configuration**, **Group PEF**, **Group Trap**, and **Group Users**.

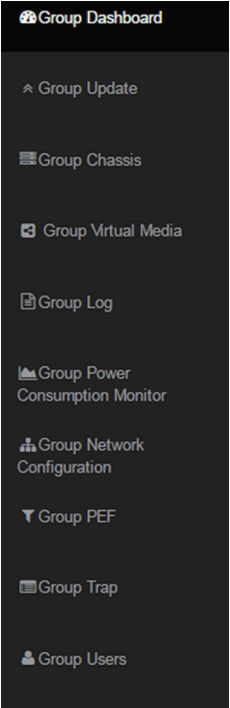
Standard with CMM Group Dashboard

AddDeleteRename

Show 10 entriesSearch:

Select	BMC MAC	BMC IP	BMC Connection	BMC Version	Node Type	KVM	BIOS Info
☐	40:8d:5c:b1:ed:d4	10.1.112.54	true	1.03	CMC	Launch	View
☐	1c:1b:0d:21:2d:08	10.1.112.70	false	1.50	BMC	Launch	View
☐	40:8d:5c:ba:be:86	10.1.112.106	true	8.19	BMC	Launch	View
☐	40:8d:5c:b1:ee:7c	10.1.112.107	true	8.19	BMC	Launch	View

Showing 1 to 4 of 4 entriesPrevious1Next



NOTE! Group Power Consumption, Group Network Configuration, Group PEF, Group Trap, and Group Users appears when Group user is configured.

Group Management

1. Click **Add** and check **Select** box to select specified node in the group.
2. When finish configuration, click **Submit**.
3. To Delete node from the group, check **Select** box and click **Delete**.

Add

Show 10 entries Search:

Select	BMC MAC	BMC IP	Node Type
☐	90:2b:34:50:06:c4	10.1.111.14	BMC
☐	40:8d:5c:d6:22:c0	10.1.111.23	BMC
☐	40:8d:5c:b1:e9:88	10.1.111.48	BMC
☐	90:2b:34:36:68:26	10.1.111.59	BMC
☐	94:de:80:61:a9:c8	10.1.111.60	BMC
☐	1c:1b:0d:21:2d:06	10.1.111.60	BMC
☐	00:c0:a8:12:34:57	10.1.111.62	BMC
☐	1c:1b:0d:21:14:32	10.1.111.69	BMC
☐	1c:1b:0d:21:14:52	10.1.111.70	BMC
☐	40:8d:5c:ba:c6:26	10.1.111.74	BMC

Showing 1 to 10 of 59 entries

Previous 1 2 3 4 5
6 Next

Submit Close

4. To Rename group, check **Select** box and click Rename.
5. When finish configuration, click **Submit**.

Rename

Group Name:

Submit

Close

2-2-2-2 Group Update

Group Update page provides functions for BIOS, BMC firmware, logo and CPLD update remote for specified group.

1. Click **Add** and check **Select** box to select specified group.
2. Select update type and select the file on your local system using **Browse**.
3. Click **Update** to update the new version of BIOS or firmware.

TEST5 Group Update

Update process: (0 / 2) Completed

Please select nodes:

select	BMC IP	BMC Version	BIOS Version	Progress	Last Log
☐	10.1.112.41	4.21	R01		Watch
☐	10.1.112.58	4.21	R01		Watch

Select package and update

BMC

Browse

Update

Select image and update

Browse

Update

The upload file should include logo_left.png and logo_background.png packaged as tar, and should smaller than 50KB.

2-2-2-3 Group Chassis

Group Chassis allows you to power on/off/cycle/hard reset and hard reset the remote host system. Additionally you can see the remote power status.

Power Control



Chassis Identify

Light on chassis identify in second(s)

Boot Option

Restore BIOS default settings

Select files for restore BIOS default settings.

For BIOS load default setup, need to check below files contain:
nvram.log
biosinfo.txt

Icon	Decription/Resulting Action
	Power on system.
	Power off system.
	Power cycle system.
	Hard reset system.

Parameter	Decription/Resulting Action
Chassis Identify	Define the group chassis lighting time. When you finish configuration, click Submit .
Boot Option	Define the group chassis lighting time. Select boot option by clicking specified device tab.
Restore BIOS default settings	Click Browse and select the file on your local system and click Restore to restore BIOS default setting.

2-2-2-4 Group Virtual Media

This page provides mounting an ISO image via Virtual Media remote for specified group . Follow the instructions below to mount or unmount an ISO image.

1. To mount an ISO image, select the ISO image and click **Mount**.

Virtual Media

Virtual Media

Select	File Name	File Size (MB)	File Path
☐	ubuntu-14.04.1-desktop-i386.iso	987.00	C:\Eclipse\vmcli\ubuntu-14.04.1-desktop-i386.iso
☐	ubuntu-14.04.4-desktop-amd64.iso	1020.00	C:\Eclipse\vmcli\ubuntu-14.04.4-desktop-amd64.iso
☐	ubuntu-15.10-desktop-amd64.iso	1123.80	C:\Eclipse\vmcli\ubuntu-15.10-desktop-amd64.iso
☐	ubuntu-16.04-desktop-amd64.iso	1417.05	C:\Eclipse\vmcli\ubuntu-16.04-desktop-amd64.iso
☐	ubuntu-16.04-server-amd64.iso	655.00	C:\Eclipse\vmcli\ubuntu-16.04-server-amd64.iso
☐	WinLiteXPsp3.iso	640.19	C:\Eclipse\vmcli\WinLiteXPsp3.iso

*Not yet supported on windows.

2. Select the specified group, and click **Submit**.

Add

Select	BMC MAC	BMC IP	Node Type
☐	90:2b:34:50:06:c4	10.1.111.14	BMC
☐	40:8d:5c:d6:22:c0	10.1.111.23	BMC
☐	40:8d:5c:b1:e9:88	10.1.111.48	BMC
☐	90:2b:34:36:68:26	10.1.111.59	BMC
☐	94:de:80:61:a9:c8	10.1.111.60	BMC
☐	1c:1b:0d:21:2d:06	10.1.111.60	BMC
☐	00:c0:a8:12:34:57	10.1.111.62	BMC

Virtual Media Status

BMC IP	Status	Information
10.1.7.226	SUCCESS	vmcli/ubuntu-14.04.1-desktop-i386.iso mount on node server : 10.1.7.226 successfully !!
10.1.7.227	SUCCESS	vmcli/ubuntu-14.04.1-desktop-i386.iso mount on node server : 10.1.7.227 successfully !!

Close

- To unmount an ISO image, select the ISO image and click **Unmount**.

Virtual Media Status

BMC IP	Status	Information
10.1.7.226	SUCCESS	Node server : 10.1.7.226 image file unmount successful !!
10.1.7.227	SUCCESS	Node server : 10.1.7.227 image file unmount successful !!

Close



NOTE! Virtual Media does not support Windows operating system..

2-2-2-5 Group Log

Log records the event when sensor has an abnormal state. When the log matches the pre-defined alert, the system sends out the notification automatically, if it is pre-configured.

To clear the event lot, click **Clear**.

To save the event lot, click **Download**.

ClearDownload

Show10▼ entries

Search:

Timestamp	Level	Description
2016-07-22 11:12:07.769+08	1	Add group member
2016-07-22 11:12:07.812+08	1	Add group member
2016-07-22 11:12:07.857+08	1	Add group member
2016-07-22 11:12:07.898+08	1	Add group member
2016-07-22 11:20:02.562+08	1	Rename group
2016-07-22 15:35:02.547+08	1	Add group member
2016-07-22 15:35:02.609+08	1	Add group member
2016-07-22 15:45:11.96+08	1	Add group member
2016-07-22 15:45:12.022+08	1	Add group member

Showing 1 to 9 of 9 entries

Previous1Next

2-2-2-6 Group Power Consumption

This screen displays information on the group system power consumption.

Policy

AddDelete

Show10entriesSearch:

Select	Enable	Power Limit in Watts	Start Time	End Time
No data available in table				

Showing 0 to 0 of 0 entriesPreviousNext

Current total watts: 59

Show10entriesSearch:

BMC MAC	BMC IP	Power Consumption	Power Limit in Watts
fc:aa:14:6e:50:2c	10.1.112.58	59	61
fc:aa:14:93:94:ba	10.1.112.41	0	-1

Showing 1 to 2 of 2 entriesPrevious1Next

2-2-2-7 Group Network Configuration

This page provides Group IPv4 and IPv6 DHCP configuration.

Network configuration

IPv4 Settings

DHCP

IPv6 Settings

DHCP

2-2-2-8 Group PEF

This page provides Group PEF. Choose to generate and send an alert when a platform event occurs. In the Platform Events screen, you can enable the generation of platform event alerts globally by clicking **Global Alerting Enable**.

TEST5 Group PEF

Platform Events Filters (PEF) Action Global Control List

Action Name

☒ Reboot

☒ Power Cycle

☒ Power Off

☒ Generate PET

Platform Events Filters (PEF) List

☒ Global Alerting Enable * Note: (This enables/disables both PEF alerts).

Filter Name	None	Reboot	Power Cycle	Power Off	Generate PET
Threshold Type, Temperature Critical Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Threshold Type, Temperature Warning Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Threshold Type, Voltage Critical Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Threshold Type, Voltage Warning Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Threshold Type, Fan Critical Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Threshold Type, Fan Warning Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Sensor-specific Type, Chassis Intrusion Critical Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Sensor-specific Type, Chassis Intrusion Informational Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐
Sensor-specific Type, Processor Critical Filter	☒ None	☐ Reboot	☐ Power Cycle	☐ Power Off	☐

2-2-2-9 Group Trap

This page provides Group IPv4 and IPv6 configuration.
When you finish the configuration, click **Submit** to save configuration.

TEST5 Group Trap

Trap Setting

IPv4 Destination	Enable	IPv4 Address
1	☐ OFF	0.0.0.0
2	☐ OFF	0.0.0.0
3	☐ OFF	0.0.0.0
4	☐ OFF	0.0.0.0

IPv6 Destination	Enable	IPv6 Address
1	☐ OFF	::
2	☐ OFF	::
3	☐ OFF	::
4	☐ OFF	::

Submit

2-2-2-10 Group Users

This page displays group user list and configuration of channel privilege level.

BMC Users

User List

User ID	Enable	Name	Password	Privilege Level
3 ▾	☒	admin	*****	User ▾

Save

+

*User ID 1 and 16 is null user, and can't be modified. User ID 2 is default account, user name is admin and password is password.

*Assigns the username with up to 16 characters using alphanumeric characters a-z, A-Z and 0-9, - (hyphen) and _ (underscore).

Channel Privilege Level	
User	This may be considered the lowest privilege level.
Operator	All BMC commands are allowed, except for configuration commands that can change the behavior of the out-of-band interfaces. For example, Operator privilege does not allow the capability to disable individual channels, or change user access privileges.
Administrator	All BMC commands are allowed, including configuration commands. An Administrator can even execute configuration commands that would disable the channel that the Administrator is communicating over.

2-2-3 GSM

GSM dashboard display the database usage and IP range configuration for remote node or group system.

Click **GET IN** for advanced configuration.

The screenshot shows the Gigabyte GSM Dashboard. The top navigation bar includes links for Node list, Group list, GSM, Setting, Status, and Help. The left sidebar contains links for Log, SNMP, SMTP, and Database Update. The main content area is titled 'GSM Dashboard' and contains two sections: 'IP Range' and 'Database usage'.

IP Range

Buttons: Submit, Create row

Delete	Enable	Start IP	End IP	Scan Type	Policy Name
☐	☒	10.1.111.1	10.1.112.255	☒ BMC ☒ RMC ☒ CMC	New

Database usage

DB location: C:\Program Files\PostgreSQL\9.4

Usage space: 46.48GB / 292.54GB

Free space

Reservation

IP Range

User can specify the IP range that is scanned during the normal discovery run. Follow steps outlined below to configure IP discover.

1. Click **Enable** to specify the IP range in the respective columns.
2. Enter Start IP and End IP in the respective columns.
3. Select **Scan Type**.
4. When you finish the configuration, click **Submit** to save your configuration.

2-2-3-1 Log

This page records GSM event log when sensor has an abnormal state. When the log matches the pre-defined alert, the system sends out the notification automatically.

Click **Clear** to clear all event log.

Click **Download** to download the event log.

GIGABYTE

Node list

Group list

GSM

Setting

help

Language

GSM Dashboard

Log

SNMP

SMTP

Database Update

Clear

Download

Show10entries

Search:

Timestamp	Level	Description
2016-07-18 19:27:35.957-07	3	Database access failed
2016-07-18 19:34:13.96-07	1	[Gbl.backschedule.service.PowerReadingObserver] Delete node(fc:aa:14:6e:50:2c)
2016-07-18 19:34:13.916-07	1	[Gbl.backschedule.service.NodeStatusObserver] Delete node(fc:aa:14:6e:50:2c)
2016-07-18 19:34:17.247-07	1	[Gbl.backschedule.service.SystemInfoLowFrequencyObserver] Delete node(fc:aa:14:6e:50:2c)
2016-07-18 19:34:17.293-07	1	[Gbl.backschedule.service.SystemInfoLowFrequencyObserver] Delete node(fc:aa:14:6e:50:2c)
2016-07-18 19:44:14.148-07	1	[Gbl.backschedule.service.PowerReadingObserver] Delete node(74:04:35:8c:44:6a)
2016-07-18 19:44:14.68-07	1	[Gbl.backschedule.service.MonitorHighFrequencyObserver] Delete node(74:04:35:8c:44:6a)
2016-07-18 19:44:14.695-07	1	[Gbl.backschedule.service.NodeStatusObserver] Delete node(74:04:35:8c:44:6a)
2016-07-18 19:44:18.071-07	1	[Gbl.backschedule.service.SystemInfoLowFrequencyObserver] Delete node(74:04:35:8c:44:6a)
2016-07-18 19:44:18.117-07	1	[Gbl.backschedule.service.SystemInfoLowFrequencyObserver] Delete node(74:04:35:8c:44:6a)

Showing 1 to 10 of 58 entries

Previous

1

2

3

4

5

6

Next

2-2-3-2 SNMP

This page provides SNMP trap configuration which includes SNMP setting and SNMP destination configuration.

GIGABYTE™ Nodes list Group list GSM Setting Help Language

GSM Dashboard

Log

SNMP

SMTP

Database Update

SNMP

GSM SNMP Setting

Alerting Enable	1 OFF
Host Address	10.1.112.59
Alerting Level	DEBUO

* Note: (The ordering of log levels is DEBUG < INFO < WARN < ERROR < FATAL)

GSM SNMP Destination

IPv4 Destination	Enable	IPv4 Address
1	1 OFF	0.0.0.0
2	1 OFF	0.0.0.0
3	1 OFF	0.0.0.0
4	1 OFF	0.0.0.0

Submit

Parameter	Decription/Resulting Action
Alerting Enable	Determine whether the trap is sent by connected node.
Host address	Displays the host address information.
Alerting Level	Determine the alerting level from the drop-down list. Please refer to Section 3-1 Event Log for description of alerting level.
GSM SNMP Destination	
IPv4 Destination	User can configure 4 IPv4 Destination.
Enable	Select ON to configure IPv4 address
IPv4 Address	Enter specified IP address. When you finish the configuration, click Submit to to save your configuration.

2-2-3-3 SMTP

If you want the alert to be sent by email, you can configure to specify the e-mail address, subject and message in this page. Follow steps outlined below to configure IP discover.

1. Configure SMTP server. Enter information in **Server Host**, **Server Port**, **Account**, **Password** and **Email address**.
2. Check the SMTP Authentication **Enable** box and enter the user email address; select the **Event Level** from the drop-down list.
3. When you finish configuration, click **Save**.
4. To Delete the configured authentication email, check **Delete** box, click **Save** to delete account.
5. For sending a test email, check **Enable** box, click **Send Test Mail**.

SMTP

Setting SMTP Server

Server Host	Server Port	Account	Password	Email Address
		admin	*****	

Enable	Email Address	Event Level	Delete
☐		DEBUG ▾	☐
☐		DEBUG ▾	☐
☐		DEBUG ▾	☐

* Note: (The ordering of log levels is DEBUG < INFO < WARN < ERROR < FATAL).

Save

Cancel

Send Test Mail

Send Mail

To

Title

Message

Send

Cancel

2-2-3-4 Database Update

This page provides user to backup and update current database files.

1. To backup and download the current database files, click **Backup Download**.
2. To update current database, select the file on your local system using **Browse**.
3. Click Update to update to the new version of file.

Database Update

Backup
Backup current database and download it:
Backup Download
Update
Update database, please provide database backup file.
浏览本地文件 本地文件上传 Update

2-2-4 Setting
2-2-4-1 GSM Configuration

GSM config

Enable configuration

☒ ON ☐ OFF

Check

GSM will clean data to make sure system has enough space to store data

Check system in each hour(s)

Database

In each routine check, GSM will check database usage and data date

GSM will stop store data into database according with the setting

0% 10% 100% %

Keep database data in day(s)

Log

In each routine check, GSM will check log date

Keep log file in day(s)

2-2-4-2 User Management

Follow steps outlined below to configure specific users.

1. Click the **Add**. a window pops up.
2. Enter **User Name** and **Password**. Check **Enable** status, and select **Level**.
3. When you finish configuration, click **Submit** to create a new user.
4. To delete user, check **Select** box, and click **Delete**.

User management

The screenshot shows a user management interface. At the top, there are 'Add' and 'Delete' buttons. Below them is a search bar and a 'Show 10 entries' dropdown. A table lists users with columns: Select, Enable, User Name, and Level. One user 'admin' is listed with 'Enable' set to 'true' and 'Level' set to 'ROLE_ADMIN'. At the bottom, it says 'Showing 1 to 1 of 1 entries' and has 'Previous', '1', and 'Next' navigation buttons.

Add Member

The 'Add Member' form has four fields: 'User Name' (containing 'admin'), 'Password' (masked with dots), 'Enable' (radio buttons for 'true' and 'false', with 'true' selected), and 'Level' (a dropdown menu showing 'ROLE_ADMIN'). At the bottom right are 'Submit' and 'Close' buttons.

2-2-4-3 TFTP Setting

GSM TFTP server configuration

Follow steps outlined below to configure TFTP server.

1. Select **ON** for use TFTP server on GSM.
2. Enter **IP address** and click **Submit**.

TFTP setting

The 'Setting GSM TFTP server configuration' window has a toggle switch for 'Use TFTP server on GSM' set to 'OFF'. Below it is an input field for the IP address, currently showing 'N/A', and a 'Submit' button. A note at the bottom states: 'Note: If you want to use TFTP server on GSM, Please enter IP address of GSM server.'



NOTE! GSM has built-in TFTP server, users have to configure GSM server IP address before updating BIOS, BMC or CPLD.

2-2-4-4 GSM Update

The GSM firmware can be updated remotely.

To update firmware, follow the instruction below:

1. Select the file on your local system using Browse.
2. Click **Update** to update to the new version of firmware.

GSM update

Update

Current Version: GIGABYTE GSM V0.31

選擇檔案 未選擇任何檔案

Update

2-2-4-5 Reset

Unit reset function.

To reset system to the factory default, click **Reset**.

Reset

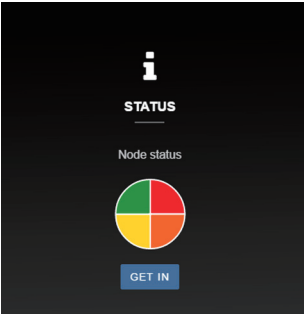
SystemReset

Reset to default

SystemReset **Reset**

2-2-5 Status

Status shows the general system health status of the current remote client node system. The System Status will appear with different color, each color definition will be described in the following, click **GET IN** to view system health status.



Color	Decription/Resulting Action
Green	Normal: All sensors are normal and there's no sensor that has any alert.
Amber	Non-critical: There's at least one sensor that has warning alert.
Red	Critical: There's at least one sensor that has critical alert.
Yellow	Unknown: There's not critical alert or non-critical alert classified as unknown status.

After getting in Status page, you will see the detail system health status as below illustration:

Node status

Show 10 entries

Search:

Status	BMC IP	BMC MAC
☒ Critical	10.1.7.226	74:04:35:8c:3d:58
☒ Non-Critical	10.1.7.227	74:04:35:1d:1b:e0
☒ Unknown	10.1.7.228	74:04:35:8c:3d:59
☒ Health	10.1.7.229	74:04:35:1d:1b:e1

Showing 1 to 4 of 4 entries

First

Previous

1

Next

Last

2-2-6 Help

Help page provides the general information including License information, Hardware requirements, Software requirements and Operating System requirements.

License

Current Version	
GIGABYTE GSM V0.31	
Detailed List	
Apache Tomcat	Apache License 2.0
Ini4j	Apache License 2.0
Log4j	Apache License 2.0
Spring	Apache License 2.0
TFTP	Apache License 2.0
VXIPI	GPL License
JFreeChart	LGPL license
Bootstrap	MIT License
Flot	MIT License
jQuery	MIT License
PostgreSQL	PostgreSQL License

Manual

Menu
Node list Lead you to node list page description.
Group list Lead you to group list page description.
GSM Lead you how to set GSM values.
Setting Lead you how to set personal values.
[Hardware requirements]
++++System Processor: 2 GHz and above ++++System Memory: Minimum 4 GB RAM ++++Free Disk Space: 1000 GB at least ++++node servers : 255 maximum
[Software requirements]
++++Browser +++++Internet Explorer 9 or later
[Operating System]
++++Windows 2008 & 2012 R2 ++++Redhat/CentOS 6.3 or later

Chapter 3 Appendix

3-1 Event Log List

SNMP ID	Event Level	Event Function	Event Description
D06F00	FATAL	DB	Database connection failed.
D06F01	ERROR	DB	Database connection denied.
D16F00	ERROR	Network Configuration	Get IPv4 configuration failed
D16F01	ERROR	Network Configuration	Set IPv4 configuration failed
D16F02	ERROR	Network Configuration	Get IPv6 configuration failed
D16F03	ERROR	Network Configuration	Set IPv6 configuration failed
D26F00	ERROR	Chassis Control	Power control failed
D26F01	ERROR	Chassis Control	Set chassis identify failed
D26F02	ERROR	Chassis Control	Get chassis status failed
D36F00	ERROR	Power Limit	Get power limit failed
D36F01	ERROR	Power Limit	Power limit configuration failed
D36F02	ERROR	Power Limit	Power limit configuration failed
D46F00	ERROR	Platform Event	Platform event log failed
D46F01	ERROR	Platform Event	Set platform event failed
D56F00	ERROR	Trap Destination	Get IPv4 destination failed
D56F01	ERROR	Trap Destination	Set IPv4 destination failed
D56F02	ERROR	Trap Destination	Get IPv4 activate status failed
D56F03	ERROR	Trap Destination	Set IPv4 activate status failed
D56F04	ERROR	Trap Destination	Get IPv6 destination failed
D56F05	ERROR	Trap Destination	Set IPv6 destination failed
D56F06	ERROR	Trap Destination	Get IPv6 activate status failed
D56F07	ERROR	Trap Destination	Set IPv6 activate status failed
D36F03	WARN	Group Power Limit	Policy already exist
D36F04	INFO	Group Power Limit	Add new policy
D36F05	INFO	Group Power Limit	Delete policy
D36F06	INFO	Group Power Limit	Group XXX: enable power limit
D36F07	INFO	Group Power Limit	Group XXX: reduce power limit to XXX
D36F08	INFO	Group Power Limit	Group XXX: disable power limit
D66F00	WARN	User Management	User account: XXX already exist
D66F01	INFO	User Management	Add new user account: XXX
D66F02	INFO	User Management	Delete user account: XXX
D76F00	INFO	System Reset	System reset success
D76F01	ERROR	System Reset	System reset failed, please wait a few minute
D86F00	INFO	Group Setting	Create group
D86F01	INFO	Group Setting	Delete group
D86F02	INFO	Group Setting	Add group member
D86F03	INFO	Group Setting	Delete group member
D86F04	INFO	Group Setting	Rename group

D96F00	INFO	Background(GSM) : IP Discover	Found new OpenRack1.0 RMC IP(with ip)
D96F01	INFO	Background(GSM) : IP Discover	Found new IPMI IP(with ip/mac/type)
D96F02	INFO	Background(GSM) : Node Status	Add node(with mac information)
D96F03	INFO	Background(GSM) : Node Status	Start monitor after a random time has expired
D96F04	INFO	Background(GSM) : Node Status	Delete node(with mac information)
D96F05	INFO	Background(GSM) : Monitor high frequency	Add node(with mac information)
D96F06	INFO	Background(GSM) : Monitor high frequency	Start monitor after a random time has expired
D96F07	INFO	Background(GSM) : Monitor high frequency	Delete node(with mac information)
D96F08	INFO	Background(GSM) : System info high frequency	Add node(with mac information)
D96F09	INFO	Background(GSM) : System info high frequency	Start monitor after a random time has expired
D96F0A	INFO	Background(GSM) : System info high frequency	Delete node(with mac information)
D96F0B	INFO	Background(GSM) : System info low frequency	Add node(with mac information)
D96F0C	INFO	Background(GSM) : System info low frequency	Start monitor after a random time has expired
D96F0D	INFO	Background(GSM) : System info low frequency	Delete node(with mac information)
D96F0E	INFO	Background(GSM) : Power reading	Add node(with mac information)
D96F0F	INFO	Background(GSM) : Power reading	Start monitor after a random time has expired
D96F10	INFO	Background(GSM) : Power reading	Delete node(with mac information)
DA6F00	WARN	Background(Each node) : Node Status	Node disconnect, terminate all service process

DA6F01	WARN	Background(Each node) : Node Status	IPMI damage retry count
DA6F02	ERROR	Background(Each node) : Node Status	IPMI damage, terminate all service process except node status itself
DA6F03	INFO	Background(Each node) : Node Status	Node have been terminate
DA6F04	ERROR	Background(Each node) : Monitor high frequency	Send command exception(Could be raw command fail or sql command fail)
DA6F05	INFO	Background(Each node) : Monitor high frequency	Node have been terminate
DA6F06	ERROR	Background(Each node) : System info high frequency	Exception information(get free port fail)
DA6F07	WARN	Background(Each node) : System info high frequency	Node management status is true/false
DA6F08	INFO	Background(Each node) : System info high frequency	Node have been terminate
DA6F09	ERROR	Background(Each node) : System info low frequency	Get FRU fail
DA6F0A	ERROR	Background(Each node) : System info low frequency	Get SDR fail
DA6F0B	ERROR	Background(Each node) : System info low frequency	Get 3 Net MAC fail
DA6F0C	ERROR	Background(Each node) : System info low frequency	Get SMBIOS info fail
DA6F0D	INFO	Background(Each node) : System info low frequency	Node have been terminate
DA6F09	ERROR	Background(Each node) : System info low frequency	Get FRU fail
DA6F0A	ERROR	Background(Each node) : System info low frequency	Get SDR fail
DA6F0B	ERROR	Background(Each node) : System info low frequency	Get 3 Net MAC fail

DA6F0C	ERROR	Background(Each node) : System info low frequency	Get SMBIOS info fail
DA6F0D	INFO	Background(Each node) : System info low frequency	Node have been terminate
DC6F03	ERROR	Node BMC Update	No compatible image, end process
DC6F04	ERROR	Node BMC Update	Cannot connect to TFTP server, end process
DC6F05	ERROR	Node BMC Update	Update BMC fail:[message]
DD6F00	INFO	Node BIOS Update	Start update BIOS
DD6F01	INFO	Node BIOS Update	Update BIOS success
DD6F02	WARN	Node BIOS Update	Node is busy, end process
DD6F03	ERROR	Node BIOS Update	No compatible image, end process
DD6F04	ERROR	Node BIOS Update	Cannot connect to TFTP server, end process
DD6F05	ERROR	Node BIOS Update	Update BIOS fail:[message]
DE6F00	INFO	Get Node SEL	Getting node SEL
DE6F01	INFO	Get Node SEL	Get node SEL complete
DE6F02	WARN	Get Node SEL	Cannot find SEL record
DE6F03	INFO	Clear Node SEL	Clearing node SEL
DE6F04	INFO	Clear Node SEL	Clear node SEL complete
DE6F05	INFO	Dump Node SEL	Starting to dump node SEL file
DE6F06	INFO	Dump Node SEL	Dump node SEL complete