Configure or View CIMC Settings without Host OS Reboot

Contents

Introduction

Prerequisites

- Requirements
- Components Used
- Related Products

Background Information

Forgot the CIMC IP Address How to Confirm it is Configured?

How to Reconfigure the CIMC IP or Gateway Without Rebooting?

How to Reset the CIMC Password Without Rebooting?

Related Information

Introduction

This document describes how to configure and view Cisco Integrated Management Controller (CIMC) settings from the host operating system. It includes procedures to identify the current CIMC IP configuration, update network settings, and reset the CIMC password without rebooting the host operating system.

Prerequisites

Requirements

Familiar with these topics:

- Intelligent Platform Management Interface (IPMI)
- Unified Computing System (UCS) CIMC

Components Used

The information in this document is based on these software and hardware versions:

- Cisco UCS C220 M4 Server running firmware version 2.0(13e)

- IPMIutil 3.1.6
- Microsoft Windows Server 2012 R2

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Related Products

This document can also be used with these products and operating systems:

- IPMItool
- Linux Operating System (OS)

Issue

This document can be used when the CIMC Internet Protocol (IP) address or CIMC password is not known.

Resolution

Confirm CIMC IP Configuration

1. Run **ipmiutil lan** to view the current CIMC network settings.

```
C:\ipmiutil\ipmiutil lan
```

```
ipmiutil lan ver 3.16
-- BMC version 2.00, IPMI version 2.0
ipmiutil lan, GetLanEntry for channel 1 ...
Lan Param(0) Set in progress: 00
Lan Param(1) Auth type support: 17 : None MD2 MD5 Pswd
Lan Param(2) Auth type enables: 00 00 00 00 00
Lan Param(3) IP address: 192.0.2.10
Lan Param(4) IP addr src: 01 : Static
Lan Param(5) MAC addr: f4 0f 1b 1e 6f 6a
Lan Param(6) Subnet mask: 255.255.255.224
Lan Param(7) IPv4 header: 40 00 10
Lan Param(10) BMC grat ARP: 02 : Grat-ARP disabled, ARP-resp enabled
Lan Param(11) grat ARP interval: 03 : 1.5 sec
Lan Param(12) Def gateway IP: 192.0.2.1
Lan Param(13) Def gateway MAC: 00 00 00 00 00 00
Lan Param(14) Sec gateway IP: 0.0.0.0
Lan Param(15) Sec gateway MAC: 00 00 00 00 00 00
Lan Param(16) Community string: public
Lan Param(17) Num dest: 04
```

```
Lan Param(18) Dest type: 01 00 00 00 00
Lan Param(19) Dest address: 01 00 00 [0.0.0.0] 00 00 00 00 00 00
Lan Param(20) VLAN ID: 01 00
Lan Param(21) VLAN Priority: 00
ipmiutil lan, completed successfully
```

Expected result: The output displays the current CIMC IP address, IP source, subnet mask, and default gateway.

Reconfigure the CIMC IP Address or Gateway Without Rebooting

Update CIMC network settings

1. To change to DHCP, run **ipmiutil lan set -l -D**.

```
C:\ipmiutil\ipmiutil lan set -l -D
```

Expected result: CIMC obtains its network settings from DHCP.

2. To configure a static IP address, run **ipmiutil lan -l -I 192.0.2.55**.

```
C:\ipmiutil\ipmiutil lan -l -I 192.0.2.55
```

Expected result: CIMC uses the configured static IP address.

3. To configure the default gateway, run **ipmiutil lan -l -G 192.0.2.1**.

```
C:\ipmiutil\ipmiutil lan -l -G 192.0.2.1
```

Expected result: CIMC uses the configured default gateway.

4. To configure the subnet mask, run **ipmiutil lan -l -S 255.255.255.0**.

```
C:\ipmiutil\ipmiutil lan -l -S 255.255.255.0
```

Expected result: CIMC uses the configured subnet mask.

Validation: Run **ipmiutil lan** and confirm that the output shows the updated network settings.

```
C:\ipmiutil\ipmiutil lan
```

Reset the CIMC Password Without Rebooting

Reset the CIMC password

1. Run **ipmiutil user list** to display the configured CIMC users.

```
C:\ipmiutil\ipmiutil user list
```

```
ipmiutil user ver 3.16
User 1: chan=1    enabled        Admin    admin
User 2: chan=1    enabled        User    testuser1
User 3: chan=1    enabled        User     testuser2
```

2. In order to reset the password, use the user ID from the previous output.

```
C:\ipmiutil\ipmiutil user set 1 password
```

```
ipmiutil user ver 3.16
GET_USERNAME: 62 72 69, STATUS = 0, CCODE=0
SETUSERNAME - 2 62 72 STATUS =0, CCODE=0
SETUSER_ACCESS - inputData 91 2 12, status = 0 ccode=0
ipmiutil user, completed successfully.
```

Expected result: The command completes successfully and the selected CIMC user password is updated.

Related Content

- **IPMIutil User Guide version 3.1.6**
- **Cisco Technical Support and Documentation**