

# Changing the IP Address on the Media Gateway Access Controller

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## Introduction

This document includes the procedure to change the IP address on a Media Gateway Access Controller (MGC) as well as the procedure to configure the change on a Signaling Link Terminal (SLT) and Network Access Server (NAS). Keep in mind that since the MGC interacts with the SLT router as well as the NAS, any address change for the MGC must be configured on the SLT and NAS as well.

## Before You Begin

### Conventions

For more information on document conventions, see the Cisco Technical Tips Conventions.

### Prerequisites

There are no specific prerequisites for this document.

### Components Used

The information in this document is based on the software and hardware versions below.

- SUN Netra1400 SC2200 running software version 9.2 (2)

You can use the **rtrv-ne** command to check the software and hardware versions on the SC2200.

```
mgc-bru-8 mml> rtrv-ne
MGC-01 - Media Gateway Controller 2003-01-10 08:22:42.168 WET
M RTRV
  "Type:MGC"
  "Hardware platform:sun4u sparc SUNW,Ultra-80"
  "Vendor:"Cisco Systems, Inc.""
  "Location:MGC-01 - Media Gateway Controller"
  "Version:"9.2(2)""
  "Platform State:ACTIVE"
  ;
mgc-bru-8 mml>
```

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

## Changing the IP Address On the SLT

Follow the instructions provided below to change the IP address on the SLT.

1. Change the **ss7 session-0 address** to match the new address on the SC2200.

```
maui-slt-02#configure terminal
maui-slt-02(config)#no ss7 session-0 address <Old IP Address> 7000 172.22.80.10 7000

! --- Remove the old IP address.

maui-slt-02(config)#ss7 session-0 address <New IP Address> 7000 172.22.80.10 7000

! --- Add the new address of the SC2200.
! --- Note that port 7000 is mentioned after the IP address
! --- (for the old and new address).
```

2. Save the configuration:

```
write running-configuration startup-configuration
```

3. Reload the SLT using the **reload** command.

## Changing the IP Address On the NAS

Follow the instructions provided below to change the IP address on the NAS.

1. Change the Redundant Link Manager (RLM) link address to match the new address on the SC2200.

```
maui-nas-03#configure terminal
maui-nas-03(config)#rlm group 0

! --- You are now in rlm group configuration mode.

maui-nas-03(config-rlm-group)#server maui-mgc-02
maui-nas-03(config-rlm-group)#no link address 172.22.53.102 source FastEthernet0 weight

! --- Remove the old link address.

maui-nas-03(config-rlm-group)#link address 172.22.80.5 source FastEthernet0 weight

! --- Add the new link address.

maui-nas-03(config-rlm-group)#^Z

! --- Ctrl+Z

maui-nas-03#
```

2. Reload the NAS using the **reload** command.

## Changing the IP Address On the SC2200

Follow the instructions provided below to change the IP address on the SC2200.

**Note:** Steps 4 and higher described below are general UNIX administrative tasks. If you have any issues, contact your UNIX administrator for further information.

1. Login as **root** (or **SU to root**).
2. Stop **TransPath**:

```
#/etc/init.d/CiscoMGC stop
```

3. Edit the **/opt/CiscoMGC/etc/XECfgParm.dat** file and change the two occurrences of the IP address.

```
Extract from file: /opt/CiscoMGC/etc/XECfgParm.dat
*.ipAddrLocalA =          10.48.84.20

! --- Should be the same as *.IP_Addr1.

*.ipAddrLocalB =          10.48.85.20
*.ipAddrPeerA =           10.48.84.22

! --- Failover peer's address.

*.ipAddrPeerB =           10.48.85.22
*.IP_Addr1 =               10.48.84.20

! --- Address of interface on motd.

*.IP_Addr2 =               10.48.85.20
*.IP_Addr3 =               0.0.0.0
*.IP_Addr4 =               0.0.0.0
```

4. Edit the **/etc/hosts** file, and change the IP address of the box itself.
5. Edit the **/etc/defaultrouter** file, and change the IP address of the nearest router to match that of the new subnet (if necessary).
6. Edit the **/etc/netmask** file and change the IP address mask (if necessary).
7. Shut the SC2200 down gracefully.

```
#shutdown -i5 -g0 -y
```

8. Move the SC2200 (if necessary).
9. Power back up the SC2200.
10. Change the IP entry of the SC2200 in the DNS server (if necessary).

Refer to your DNS vendor documentation for information on editing the DNS entry for the SC2200; an incorrect DNS translation could result in connectivity issues.

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## Related Information

- [Voice Technology Support](#)
- [Voice and IP Communications Product Support](#)
- [Recommended Reading: Troubleshooting Cisco IP Telephony](#)
- [Technical Support – Cisco Systems](#)

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