

Changing Settings for CNR Server Logs

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Introduction

This document provides the process for changing the log size and the number of logs for the DNS, DHCP, and TFTP servers in Cisco Network Registrar. The procedure is different depending on the CNR version used:

- For CNR 3.5.x and earlier the **mcdadmin** utility is used.
- For CNR 5.0.x and above, the **CLI server [DNS|DHCP|TFTP] serverLogs** command is used.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

The information in this document applies to all CNR versions.

Note: In CNR 6.1 the process of changing the number and size of the log files for the DNS, DHCP and TFTP servers only applies to the Local Cluster, not the Regional Server.

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, make sure that you understand the potential impact of any command.

Conventions

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

CNR 3.5.x and Earlier

Follow these steps to change the log size and the number of logs for the DNS, DHCP, and TFTP servers in Cisco Network Registrar:

1. Stop the Network Registrar service.
2. Create a file named **biglogs.txt** containing these lines:

```
[ config/clusters/1/trampolines/1/servers/1 ]
load_args = str:"-A nlogs=5 -A logsize=10000000"
[ config/clusters/1/trampolines/1/servers/2 ]
load_args = str:"-A nlogs=5 -A logsize=10000000"
[ config/clusters/1/trampolines/1/servers/4 ]
load_args = str:"-A nlogs=5 -A logsize=10000000"
```

The servers are internally designated as follows:

- ◆ **servers/1** DNS server name_dns_1_log.x files
- ◆ **servers/2** DHCP server name_dhcp_1_log.x files
- ◆ **servers/3** UI logs are not required
- ◆ **servers/4** TFTP server file_tftp_1_log.x files

Note: The *x* file extension is 01, 02, and so on, and increments up to the total number of files you specify.

3. Run the **mcdadmin** utility to include the file:

```
> mcdadmin -N admin -P password -o -i biglogs.txt
```

4. Restart the Network Registrar service.

CNR 5.0.x and Above

Follow these steps to change the log size and the number of logs for the DNS, DHCP, and TFTP servers in Cisco Network Registrar:

1. Start the **nrcmd** program and check your current values as follows:

```
nrcmd> server DNS serverLogs show
100 Ok
nlogs=3
logsize=100000
```

Note: The **serverLogs** action is new to the **server** command in Network Registrar 5.0 and is not available in prior releases. You can set from 1 to 100 log files and a range of file sizes from 10 KB to 500 MB.

2. Perform the same **show** command for the DHCP and TFTP servers. Then, adjust the settings as follows:

```
nrcmd> server DNS serverLogs nlogs=5 logsize=10M
nrcmd> server DHCP serverLogs nlogs=5 logsize=10M
nrcmd> server TFTP serverLogs nlogs=5 logsize=10M
100 Ok
```

3. For changes to take effect, **save** (or **exit**).
4. Restart the Network Registrar service.

Stopping and Starting the Network Registrar Service

CNR 6.0.x and Earlier

Follow these steps to stop or start the Network Registrar Service:

- Solaris, Linux **/etc/init.d/aicservagt** [**stop**|**start**]

- Windows From a DOS command line

1. Type **net [stop|start]**
2. Select "AIC Server Agent 2.0"

CNR 6.1

Follow these steps to stop or start the Network Registrar Service:

- Solaris, Linux **/etc/init.d/nwreglocal [stop|start]**
 - Windows From a DOS command line, type **net [stop|start] nwreglocal**
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Related Information

- [CLI Reference Guide "server" Command](#)
 - [Troubleshooting DHCP Problems in Cable Networks using Cisco Network Registrar Debugs](#)
 - [Technical Support – Cisco Systems](#)
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