

Change NTP Server Address

OPERATING INSTRUCTIONS

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1 Introduction

This document describes how to change the Network Time Protocol (NTP) server address.

The main steps are performed in the following order:

1. Perform backups of the current system configuration
2. Change an NTP server address
3. Perform backups of the new system configuration

1.1 Prerequisites

This section describes the prerequisites, which must be fulfilled before using the procedure.

1.1.1 Conditions

The following conditions must apply:

- No other Backup and Restore Framework (BRF) backup operation is in progress.
- The NTP server ID to change is known, for example, `NTPServer1`.
- The new NTP server address is known.
- `userLabel` text for the new NTP server is known.
- An Ericsson Command-Line Interface (ECLI) session is in progress.





2 Procedure

Perform Backups of the Current System Configuration

1. Navigate to the *BrmBackupManager* Managed Object (MO), for example:

```
>dn ManagedElement=NODE06ST, SystemFunctions=1, BrM=1, BrmBackupManager=SYSTEM_DATA
```

2. Start the software backup operation, for example:

```
(BrmBackupManager=SYSTEM_DATA) >createBackup B4NTPChange
```

Note: The backup name can have up to 50 characters. Alphanumeric, dash, and underscore characters are supported.

The system returns output `true` or `false`.

3. Verify that the backup was created:

```
(BrmBackupManager=SYSTEM_DATA) >show progressReport
```

Note: As this is a long-running operation, it can be necessary to enter the command several times until the final operation result is shown in the progress report.

After a backup is successfully created, the progress report shows, for example, the following:

```
progressReport
  actionId=0
  actionName="CREATE"
  additionalInfo
    "Create Backup for B4NTPChange: Initialized"
    "Create Backup for B4NTPChange: Succeeded"
  progressInfo=""
  progressPercentage=100
  result=SUCCESS
  resultInfo="B4NTPChange was created successfully."
  state=FINISHED
  timeActionCompleted="2015-12-15T10:44:41"
  timeActionStarted="2015-12-15T10:42:37"
  timeOfLastStatusUpdate="2015-12-15T10:44:41"
```

Note: To free up storage space, and for increased safety, export the backup to a different location; refer to *Export Backup*.



Change an NTP Server Address



Attention!

Risk of system malfunction or traffic disturbance.

Connection to the NTP server is lost during the transition to the new NTP server address.

To change the NTP server address:

1. Navigate to the *NtpServer* MO, for example:

```
>dn ManagedElement=NODE06ST, SystemFunctions=1, SysM=1, TimeM=1, Ntp=1, NtpServer=NTPserver1
```

Note: Press the **Tab** key twice at `NtpServer=` to list the current `NtpServer` MOs.

2. List the current settings:

```
(NtpServer=NTPserver1)>show -v
```

The following is an example output:

```
NtpServer=NTPserver1
administrativeState=UNLOCKED
ntpServerId="NTPserver1"
serverAddress="100.0.12.13"
userLabel="Primary NTP server"
```

3. Enter Config mode:

```
(NtpServer=NTPserver1)>configure
```

4. Set the new NTP server address, for example:

```
(config-NtpServer=NTPserver1)>serverAddress="100.0.12.14"
```

5. Set the attribute `userLabel`, for example:

```
(config-NtpServer=NTPserver1)>userLabel="Primary NTP
Server for application use"
```

6. Commit the setting:

```
(config-NtpServer=NTPserver1)>commit
```




7. Verify the changed NTP settings:

```
(NtpServer=NTPserver1) >show -v
```

The following is an example output:

```
NtpServer=NTPserver1
administrativeState=UNLOCKED
ntpServerId="NTPserver1"
serverAddress="100.0.12.14"
userLabel="Primary NTP Server for application use"
```

Perform Backups of the New Configuration

8. Navigate to the *BrmBackupManager* MO, for example:

```
>dn ManagedElement=NODE06ST,SystemFunctions=1,BrM=1,Brm
BackupManager=SYSTEM_DATA
```

9. Start the software backup operation, for example:

```
(BrmBackupManager=SYSTEM_DATA) >createBackup
AfterNTPChange
```

Note: The backup name can have up to 50 characters. Alphanumeric, dash, and underscore characters are supported.

The system returns output `true` or `false`.

10. Verify that the backup was created:

```
(BrmBackupManager=SYSTEM_DATA) >show progressReport
```

Note: As this is a long-running operation, it can be necessary to enter the command several times until the final operation result is shown in the progress report.

After a backup is successfully created, the progress report shows the following:



```
progressReport
  actionId=0
  actionName="CREATE"
  additionalInfo
    "Create Backup for AfterNTPChange: Initialized"
    "Create Backup for AfterNTPChange: Succeeded"
  progressInfo=""
  progressPercentage=100
  result=SUCCESS
  resultInfo="AfterNTPChange was created successfully."
  state=FINISHED
  timeActionCompleted="2015-12-15T10:54:14"
  timeActionStarted="2015-12-15T10:52:37"
  timeOfLastStatusUpdate="2015-12-15T10:54:14"
```

Note: To free up storage space, and for increased safety, export the backup to a different location; refer to *Export Backup*.