

# Change NTP Server Address

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## OPERATING INSTRUCTIONS

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# Contents

<b>1</b>	<b>Description</b>	<b>1</b>
<b>2</b>	<b>Procedure</b>	<b>1</b>
2.1	Change NTP Server Address	1





# 1 Description

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

The procedure consists of the following main steps:

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

## 2 Procedure

### 2.1 Change NTP Server Address

#### Prerequisites

- This instruction references the following document:
  - *Export Backup*
- No tools are required.
- 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.

#### Steps

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*.

4. 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.

5. 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"
```

6. Enter Config mode:

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

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

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

8. Set the attribute userLabel, for example:

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

9. Commit the setting:



### Attention!

Risk of system malfunction or traffic disturbance.

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

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

10. 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"
```

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



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

12. 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`.

13. 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*.