

## Configuring NTP as a Broadcast Client on a C-series Controller (SRC CLI)

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You can configure NTP on a C-series Controller to listen for broadcast messages on the local network to discover other servers on the same subnet. When NTP receives a broadcast message for the first time, it measures the nominal network delay using a brief client-server exchange with the remote server. It then enters *broadcast client* mode, in which it listens for, and synchronizes with, succeeding broadcast messages.

To avoid accidental or malicious disruption in this mode, both the local and remote systems must use authentication and the same trusted key and key identifier.

To configure NTP to listen for broadcast messages:

1. From the [edit system ntp] hierarchy level, specify that NTP listen for broadcast messages.

```
[edit system ntp]
user@host# set broadcast-client
```

2. Authenticate time synchronization to ensure that the local system obtains its time only from known sources.

See Configuring NTP Authentication on a C-series Controller (SRC CLI) .

3. Verify the configuration. For example:

```
[edit system ntp]
user@host# show
broadcast-client;
trusted-key 1;
server 192.0.2.30 key 1;
authentication-key 1 {
    value *****;
}
```

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- Specifying Which NTP Server a C-series Controller Contacts on Startup
  - NTP Support on C-series Controllers

