

## Configuring NTP on a C-series Controller

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To configure NTP on a C-series Controller:

1. (Recommended) Configure NTP to automatically set the time when it starts.
  - See [Specifying Which NTP Server a C-series Controller Contacts on Startup](#).
  - See [Specifying a Basic NTP Configuration on a C-series Controller \(C-Web Interface\)](#).
2. Specify the time source and the manner in which time is synchronized between systems on the network. Configure NTP to operate in one or more of the following modes:
  - Client mode:
    - See [Configuring NTP Client Mode for a C-series Controller \(SRC CLI\)](#).
    - See [Configuring NTP Client Mode for a C-series Controller \(C-Web Interface\)](#).
  - Symmetric active (peer) mode:
    - See [Configuring an NTP Peer on a C-series Controller \(SRC CLI\)](#).
    - See [Configuring an NTP Peer for a C-series Controller \(C-Web Interface\)](#).
  - Broadcast mode:
    - See [Configuring NTP Broadcast Mode on a C-series Controller \(SRC CLI\)](#).
    - See [Configuring NTP Broadcast Mode on a C-series Controller \(C-Web Interface\)](#).
3. (Recommended) Configure NTP authentication.
  - See [Specifying an Authentication Key for NTP on C-series Controllers \(C-Web Interface\)](#).
  - See [Configuring NTP Authentication \(C-Web Interface\)](#).
4. (Optional) Configure NTP to listen for broadcast messages.
  - See [Configuring NTP as a Broadcast Client on a C-series Controller \(SRC CLI\)](#).
  - See [Specifying a Basic NTP Configuration on a C-series Controller \(C-Web Interface\)](#).
5. (Optional) Configure NTP to listen for multicast messages.
  - See [Configuring NTP as a Multicast Client on a C-series Controller \(SRC CLI\)](#).
  - See [Configuring NTP as a Multicast Client on a C-series Controller \(C-Web Interface\)](#).

**Related Topics** ■ [NTP Support on C-series Controllers](#)

- Configuration Statements for NTP on C-series Controllers
- Verifying NTP Configuration on a C-series Controller