

Unmanaged Services (4.6 only)

DNS, IP tables, NTP and DHCP are among the few services that some folks configure separately on sipxecs 4.4 or older systems. Starting with the 4.6 release these services are integrated in a much tighter way. In order not to conflict with any custom configuration methods, these select services now have a "Unmanaged" setting you can set which allows you to configure the services yourselves.

NTP

Managed service

NTP managed service means that you can configure NTP settings from sipXconfig UI and relay on sipXecs for starting / stopping NTP when needed (e.g. when configuration changed and needs to be applied). NOTE: not all possible NTP settings are exposed in sipXconfig UI

The screenshot shows the sipXecs web interface for configuring NTP. The top navigation bar includes 'Users', 'Devices', 'Features', 'System', and 'Diagnostics'. The main content area is titled 'System Date and Time' and contains a sidebar with 'Settings', 'Time Zone', and 'Unmanaged Service'. The 'NTP Service' configuration page includes the following options:

- Enable local clock**: (Default: unchecked). The local clock is no reference clock in reality; instead it simply refers to the system time on the current machine.
- NTP server**: (Default: 0.pool.ntp.org)
- Additional NTP server**: (Default: 1.pool.ntp.org)
- Additional NTP server**: (Default: 2.pool.ntp.org)
- Additional NTP server**:
- Drift file**: (Default: /var/lib/ntp/drift). When using a drift-file ntp will use the last written value as initial frequency correction after restart. That way the best correction is set up much faster (Without a drift-file the initial frequency correction is always zero)
- Permit all access over the loopback interface**: (Default: unchecked)
- Permit time synchronization**: (Default: unchecked). Permit time synchronization with our time source, but do not permit the source to query or modify the service on this system
- Provide time for other systems**: (Default: unchecked)
- Allowed networks**: . List of networks (comma delimited, CIDR-notation string, e.g. 192.168.0.1/16) for which this server will accept NTP synchronization requests

An 'Apply' button is located at the bottom of the configuration area. The footer of the page reads: 'sipXecs (2138.g73965 (2) (3)) Copyright (C) 2010/11 SIPfoundry. Licensed under AGPL v3'.

Unmanaged service

When NTP is marked as unmanaged service then sipXecs won't generate any configuration (/etc/ntp.conf) or issue any service start / stop commands. This is up to the admin, however some other system components (like phones) still need info about NTP configuration. That's why in addition to turning service in an unmanaged service, admin can also specify additional NTP servers phones or other components should default to.

System Date and Time

- Settings
- Time Zone
- Unmanaged Service**

Changes applied successfully.

Unmanaged Service

Unmanaged NTP service (Default: unchecked)

Enable this option if you don't want NTP service to be managed by unified communication system (for e.g. generating configuration, automatic restart of services).

NTP server

Additional NTP server

Additional NTP server

Additional NTP server

Apply

The phone configuration will be automatically filled in with corresponding data

Phone Settings

Identification

Lines

Codecs

SIP

Services

Region

Phone SettingsPhone: [0004f22f49d1](#) / AudioCodes 320HD IP Phone**Phone Settings****Syslog**

Syslog Server Address

Syslog Server Port (Default: 514)

Syslog Log Filter (Default: 0)

Syslog Mode (Default: NONE)

Date & Time

enabled (Default: checked)

Primary NTP Server (Default: 10.1.1.1)

Secondary NTP Server (Default: 10.1.1.2)

Time Zone (Default: GMT London)

daylight_saving

activate (Default: unchecked)

To download the device configuration file click on the link(s) below:

[0004f22f49d1.cfg](#)
[0004f22f49d1-speeddial.bt](#)

DNS

Managed service

DNS managed service means that you leave sipXecs to configure (generating zone files, resolv.conf) and start / stop DNS when needed (e.g. when configuration changed and needs to be applied).

Settings

Unmanaged Service

DNS Service

Forwarders

Primary DNS server

DNS server in your company or your ITSP. Can also be a publicly available DNS server like 8.8.8.8.

Secondary DNS server

In the event the primary DNS server is unavailable, system will use this server.

Additional DNS server

Additional DNS server

Additional DNS server

sipXecs (2138.g73965 {2} {3})

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Unmanaged service

When DNS is marked as unmanaged service creating configuration files and stopping / starting service it's up to admin. Since some other system component still need info about DNS configuration admin can specify additional DNS servers.

Settings

Unmanaged Service

Unmanaged Service

Unmanaged DNS service



(Default: unchecked)

Enable this option if you don't want DNS service to be managed by unified communication system (for e.g. generating configuration, automatic restart of services).

Primary DNS server

DNS server in your company or your ITSP. Can also be a publicly available DNS server like 8.8.8.8.

Secondary DNS server

In the event the primary DNS server is unavailable, system will use this server.

Additional DNS server

Additional DNS server

Apply

The gateway configuration will be automatically filled in with specified servers

Gateway Details

Configuration

PSTN Lines

Caller ID

Dial Plan

SIP

Voice Codecs

Proxy and Registration

DTMF & Dialing

Advanced Parameters

IP to PSTN Call Routing

PSTN to IP Call Routing

Supplementary Services

FXO

Network

Media

RTP/RTPC

Management

Gateway: [test](#) / AudioCodes MP114 FXO[Show Advanced Settings](#)**Network**Primary DNS Server (Default: 192.168.0.1)

Primary DNS server

Secondary DNS Server (Default: 192.168.0.2)

Secondary DNS server

NTP Server IP Address (Default: 10.1.1.1)

IP address of the NTP Server to sync time/date with

NTP UTC Offset (sec) (Default: 7200)

Offset from UTC, in seconds

NTP Update Interval (sec) (Default: 86400)

NTP update interval, in seconds

To download the device configuration file click on the link(s) below:

[0040214131FA.ini](#)

To setup a new gateway fill in the parameters on this page, then setup PSTN Lines. No other settings need to be considered as all gateway parameters are auto-configured for a typical deployment. Consult the gateway vendor's manual or ask an expert for advice if other parameters need to be adjusted.

DHCP

Managed service

Same as for NTP and DNS, managed DHCP means that you want to run dhcpd on sipXecs and have all configuration / management performed by sipXecs. There are settings you could configure but certain are not possible (like multiple subnet configuration). We're looking for user feedback in order to expose settings that are mostly used.

Settings

Unmanaged Service

DHCP Service

DHCP served subnet (Default: 192.168.0.0)

Used to specify the addresses that may be dynamically allocated to clients booting on that subnet. Such addresses are specified using the range declaration.

Netmask (Default: 255.255.255.0)

The netmask should be an IP address or domain name which resolves to the subnet mask of the subnet being described. Used to determine whether any given IP address is on the specified subnet

Lowest IP address in range (Default: 192.168.0.50)Highest IP address in range (Default: 192.168.0.250)Routers (Default: 192.168.0.1)Default lease time (Default: 43200)

Length in seconds that will be assigned to a lease if the client requesting the lease does not ask for a specific expiration time.

Maximum lease time (Default: 43200)

Maximum Length in seconds that will be assigned to a lease if the client requesting the lease asks for a specific expiration time.

Unmanaged service

When DHCP is marked as unmanaged service creating configuration files (dhcpd.conf) and stopping / starting DHCP service it's up to admin.

Settings

Unmanaged Service

Unmanaged Service

Unmanaged DNS service

(Default: unchecked)

Enable this option if you don't want DHCP service to be managed by unified communication system (for e.g. generating configuration, automatic restart of services).

DHCP server

Apply

IPTables

TBD

Phonelogd

TBD