

Configuring a Desk Telephone



Goal of this Module

- Configure a local LAN Desktop IP Phone
 - Prerequisites
 - Concepts of
 - Provisioning (PnP)
 - Firmware Management
 - BLF
 - Remote Control (CTI)

Prerequisites for this Module

- A 3CX Supported IP Phone
 - Fanvil
 - Htek
 - o snom
 - Yealink
- Fulfill Minimum Firmware Requirements
- IP Phone within the same subnet as 3CX
- 3CX running on SIP Port 5060 *

All IP Phones listed at http://www.3cx.com/support

* 3CX not running on 5060 → NO PnP provisioning

What is Provisioning?

- Provisioning = Providing
 - Prefilled Configuration
 - Vendor Specific Syntax
 - Removes Human Errors
 - Boost Deployment Speed

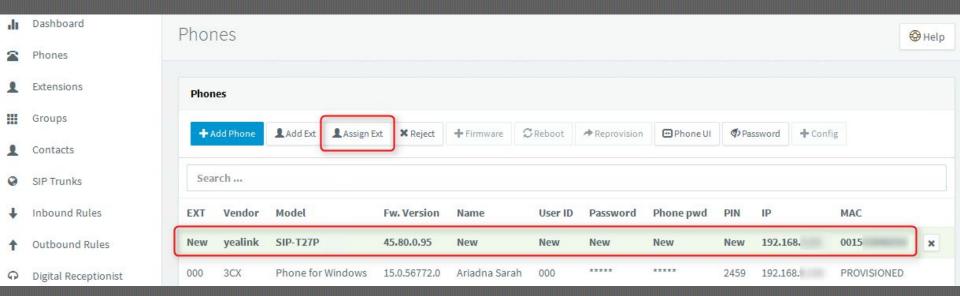
"Provisioning is the process of passing a predefined set of settings onto a device. In this case to an IP phone. This decreases the administration time per device and eliminates setup errors. Never configure a device manually!"

Concept: PnP Provisioning

- Simple & Fast
- Admin Driven
- Based on MultiCast Messages
 - Client Announces Presence
 - PBX Receives Announcement
 - Admin Approves and Assigns Desktop Phone
- Note: Multicast Ends At Router/Border Devices

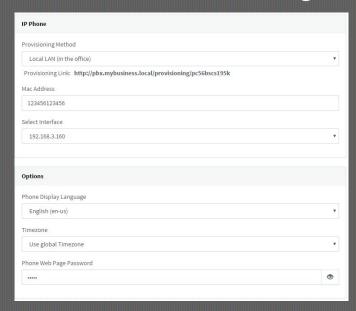
Using: PnP Provisioning

- Boot Up the Desktop Phone (or 3CX Client)
- From Management Console → Phones node
- Select the "Bold" entry
- Assign to existing Extension or Add new EXTension
- More than one Phone possible (SIP Fork)



Using: PnP Provisioning

- Validate Settings
 - Optional
 - Set Interface
 - Set Display Language
 - Set Specific TimeZone
 - Save with "OK"
- The IP Phone configures itself

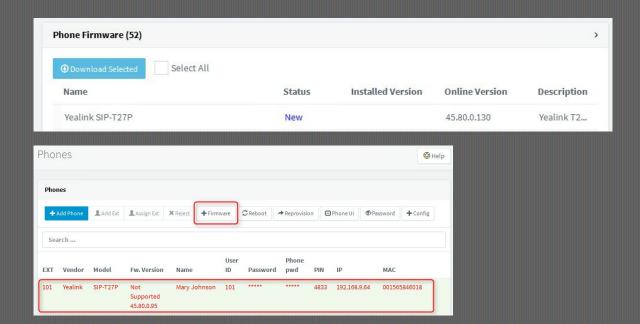


Concept: Firmware Management

- Ensures:
 - Compatibility with 3CX
 - Tested by 3CX
- Firmware Versions definition:
 - Support Firmware Version (driven from MNG Console)
 - Ensures Features & Functionality are covered

Using: Firmware Management

- From Management Console → Updates
- Download Firmware
- Phones node → Mark Red entry → Firmware
- Press OK to upgrade the Firmware



Concept: Remote Control (CTI)

- Control IP Phone with a mouse click
 - Dial
 - Hold
 - Pickup
 - Transfer
 - Conferencing
- Easy dialing from 3rd Party Sources
 - Web Pages
 - E-Mail
 - CRM Systems
- Full Phonebook and easy Search

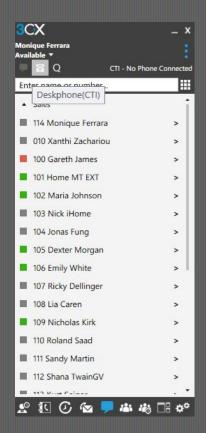
Prereq: Remote Control (CTI)

- 3CX Client for Windows (only)
- Provisioned Supported IP Phone
- Required Network Topology*
 - IP Phone in Internal Network (routed ok)
 - 3CX Client in Internal Network (routed ok)
 - 3CX Client → Port 80 (HTTP) → IP Phone
- Manage AVs
 (http://www.3cx.com/blog/docs/3cxphone-presence-self-help/)

^{*}Alternatively, the PBX will trigger the call (Make Call, limited function)

Using: Remote Control (CTI)

- 3CX Client for Windows and IP Phone → same extension
- Switch 3CX Client to Deskphone (CTI) mode
- Type a number in the 3CX Client and the number will be dialed on the IP Phone



Configuration: Remote Control (CTI)

- Use of E164 in CTI (+ Format Numbers)

 ⇒* → Configure Accounts → account → Advanced
- If Multiple Phones Selection





More Training Material at: www.3CX.com/3CXAcademy

