Extensions Module - SIP Extension

THIS WIKI HAS BEEN UPDATED FOR VERSION 13 OF YOUR PBX GUI

**Note**
In PBX GUI software version 13 and above, fax options have moved from the Extensions module to the User Management module.

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**Overview**
This guide walks you through information related to SIP extensions.

- This guide is for chan_sip. In Asterisk 12+ there is a PJSIP option which is not covered on this page.
- Options will vary based on installed modules. Configuration of these settings is covered by their respective user guides.

**Logging in**
- From the top menu click **Applications**
- From the drop down click **Extensions**

**Adding a SIP Extension**
- From the Extensions landing page click on the **Add New Chan_SIP Extension** button.
General

Add Extension

User Extension

This will be the extension number associated with this user and cannot be changed once saved. We recommend using 3- or 4-digit extension numbers.

Display Name

This is the name associated with this extension and can be edited any time. This will become the Caller ID Name. Only enter the name, NOT the number.

Outbound CID

Add User Manager Settings

Link to a Default User

Create New User

Username

Password For New User

dbd473c70da97b66f2f289187dae74a

Groups

Select Some Options
Overrides the CallerID when dialing out a trunk. Any setting here will override the common outbound CallerID set in the Trunks module. Format: "caller name" <#####>

Leave this field blank to disable the outbound CallerID feature for this user. If you leave it blank, the system will use the route or trunk Caller ID, if set.

Secret

Password (secret) configured for the device. Should be alphanumeric with at least 2 letters and numbers to keep secure. A secret is auto-generated but you may edit it. A color-coded bar will display the strength of the secret, ranging from “really weak” to “strong.”

User Manager Settings

Link to a Default User

Select a user that this extension should be linked to in the User Management module. Default = Create New User. An extension may only be linked to one user, and a user may only be linked to one extension.

- **Create New User**: Creates a new user in User Manager that will be linked to this extension.
- **None**: The extension will not be associated with a user in User Manager
- **Existing User**: If you have any existing users in User Manager who are not already linked to an extension, you can select one here in order to link the user to this extension.

Username

If Create New User is selected above, this will be the new user's login username. If you leave the Username field is blank (grayed-out), the username will be the same as the extension number. To customize the username, check the **Use Custom Username** box and enter a username.

Password for New User

If Create New User is selected above, this will be the auto-generated user's new password. A password is automatically generated, but you can edit it here.

Groups

If Create New User is selected above, or if you are linking this extension to an existing user, you can add the user to one or more groups. Groups are defined in the User Management module, so if you haven't created any groups, none will show up here. To add this user to a group, click inside the field, and available groups will show up in a menu. You can start typing to quickly find a group. Click on a group name to add it to the field. Repeat the process if you wish to enter multiple groups.

Voicemail

- Click on the **Voicemail** tab.
- If you wish to enable voicemail, click the **Yes** button next to **Enabled** in order to allow editing the options below.
Voicemail

Enabled

Yes/No: Whether to enable voicemail for the user.

Voicemail Password

Enter the password (numbers only) the user will use to access the voicemail system. If left blank, it will default to the extension number. The user can change the password after logging into the voicemail system (*98) with a phone.

Require From Same Extension

Yes/No: Whether to require the user to enter their password after they reach the voicemail system from their own extension, by dialing *97. This option does not apply to *98 calls, which will always prompt for a password. For security purposes, a Yes setting is recommended in an environment where other users will have physical access to this extension.

Disable ( * ) in Voicemail Menu

Yes/No: Whether to disable access to the voicemail menu. Default = Yes. If set to Yes, a user will not be able to access the voicemail menu by pressing "***". If you have no plans to access your mailbox remotely, set this to Yes. If set to No, the user can access voicemail remotely by calling into their extension and pressing "***" to reach the menu.

Email Address

Optional - The e-mail that voicemail notifications will be sent to. Further down the page, you have the option of whether to attach the actual voicemail message to the e-mail.

Pager Email Address
Optional - A pager e-mail address or mobile email address that short voicemail notifications will be sent to.

Email Attachment

Yes/No: Whether to attach the voicemail to the e-mail notification. Requires an email address to be set above.

Play CID

Yes/No: Whether to read back the caller's telephone number prior to playing the voicemail, just after announcing the date and time the message was left.

Play Envelope

Yes/No: Whether the system will play the message envelope information (date/time) before playing the voicemail message. This setting does not affect the operation of the envelope option in the advanced voicemail menu.

Delete Voicemail

Yes/No: Whether to delete the voicemail message from the mailbox after it is e-mailed to the user. If set to Yes, this would provide functionality that allows users to receive their voicemail via e-mail alone, rather than needing to retrieve it from the web interface or a telephone.

If Delete Voicemail = Yes, then you MUST set an e-mail address for the user above, and also set Email Attachment = Yes. Otherwise, the voicemail message would be lost forever, because it would not be e-mailed, and would be deleted from the system.

VM Settings

Optional: Advanced settings. Enter voicemail options, separated by the pipe symbol (|). For example, "review=yes | maxmessage=60" May be left blank.

VM Context

This is the Voicemail Context, which is normally set to "default." Do not change unless you understand the implications.

VMX Locater™

VMX Locater is designed to help a caller reach an operator and/or find you when you are not at your main phone. If enabled, the user will want to consider recording voicemail greetings that instruct a caller on which options to press (0, 1, and/or 2).

Whenever you enter information into the 0, 1, and/or 2 options below, you should run a test to make sure the number is functional, because otherwise the caller might become stranded or receive messages about a number being invalid.
Enabled

Yes/No: Whether to enable the VMX Locater feature. Set to Yes if you would like to enable this feature and edit the options below.

Use When

Select one or more of the buttons to enable VMX Locater for these types of greetings: Unavailable, Busy, and/or Temporary.

Voicemail Instructions

Yes/No: Whether to play instructions after playing your greeting. If set to No, only a beep will be played after your personal voicemail greeting.

Press 0

Check the Go to Operator box to send the caller to the operator when they press 0. Uncheck the Go to Operator box and enter an alternative destination if you want the caller to be sent to a different destination when they press 0. This feature is still accessible to callers even when VMX Locater is disabled for the user.

Press 1

Optional - Enter a destination to send the caller to when they press 1. This can be an internal extension, ring group, queue, or external number such as a cell phone number.

Press 2

Optional - Enter a destination to send the caller to when they press 2. This can be an internal extension, ring group, queue, or external number such as a cell phone number.

Find Me / Follow Me

- Click on the Find Me / Follow Me tab.
- Find Me / Follow Me is enabled by default here so that you may edit the settings. After entering settings, you can disable it if desired.
### General Settings

**Enabled**

*Yes/No*: Whether to enable Find Me / Follow Me. Must be set to **Yes** (at least temporarily) in order to edit other settings on this page. If you leave it set to **Yes**, Find Me / Follow Me will be active for this extension when you save the extension and apply config. You can set to **No** to disable Find Me / Follow Me for an extension until the user activates it.

**Initial Ring Time**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial Ring Time</td>
<td>7</td>
</tr>
<tr>
<td>Ring Strategy</td>
<td>rmgalv2-prim</td>
</tr>
<tr>
<td>Ring Time</td>
<td>20</td>
</tr>
<tr>
<td>Follow-Me List</td>
<td></td>
</tr>
<tr>
<td>Extension Quick Pick</td>
<td>(pick extension)</td>
</tr>
<tr>
<td>Announcement</td>
<td>None</td>
</tr>
<tr>
<td>Play Music On Hold</td>
<td>Ring</td>
</tr>
<tr>
<td>CID Name Prefix</td>
<td></td>
</tr>
<tr>
<td>Alert Info</td>
<td></td>
</tr>
</tbody>
</table>

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**Call Confirmation Configuration**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confirm Calls</td>
<td></td>
</tr>
<tr>
<td>Remote Announce</td>
<td>Default</td>
</tr>
<tr>
<td>Too-Late Announce</td>
<td>Default</td>
</tr>
</tbody>
</table>

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**Change External CID Configuration**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode</td>
<td>Default</td>
</tr>
<tr>
<td>Fixed CID Value</td>
<td></td>
</tr>
</tbody>
</table>

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**Destinations**

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Answer</td>
<td>Follow Me</td>
</tr>
<tr>
<td></td>
<td>Normal Extension Behavior</td>
</tr>
</tbody>
</table>
Use the drop-down menu to select initial ring time, in seconds. This is the number of seconds to ring the primary extension prior to proceeding to the follow-me list. If "0," the primary extension will not be rung before proceeding to the follow-me list. The extension can also be included in the follow-me list.

**Ring Strategy**

- **ringallv2**: ring Extension for duration set in Initial Ring Time, and then, while continuing call to extension, ring Follow-Me List for duration set in Ring Time.
- **ringall**: ring Extension for duration set in Initial Ring Time, and then terminate call to Extension and ring Follow-Me List for duration set in Ring Time.
- **hunt**: take turns ringing each available extension
- **memoryhunt**: ring first extension in the list, then ring the 1st and 2nd extension, then ring 1st 2nd and 3rd extension in the list...
e tc.
- ***-prim**: these modes act as described above. However, if the primary extension (first in list) is occupied, the other extensions will not be rung. If the primary is in do-not-disturb (DND) mode, it won't be rung. If the primary is in call forward (CF) unconditional mode, then all will be rung.
- **firstavailable**: ring only the first available channel
- **firstnotonphone**: ring only the first channel which is not off hook - ignore CW

**Ring Time**

Time in seconds that the phones will ring. For all hunt-style ring strategies, this is the time for each iteration of phone(s) that are rung.

**Follow-Me List**

Enter a list of extensions to ring, one per line, or use the Extension Quick Pick menu below. You can include an extension on a remote system, or an external number, by suffixing a number with a pound (#). ex: 2448089# would dial 2448089 on the appropriate trunk (see Out bound Routing).

**Extension Quick Pick**

This drop-down menu gives you the option to select existing extensions to add to the Follow-Me List above.

**Announcement**

Select the message to be played to the caller before dialing the find me / follow me list. Default = none. The drop-down menu shows available system recordings. To add additional recordings, please use the System Recordings module.

**Play Music On Hold**

If you select a Music on Hold class to play, instead of the default "Ring," the caller will hear that MoH instead of ringing while they are waiting for someone to pick up.

**CID Name Prefix**

Optional - You can optionally prefix the Caller ID name when ringing extensions in this group. For example, if you prefix with "Sales:., a call from John Doe would display as "Sales:John Doe" on the find me / follow me list extensions that ring.

**Alert Info**

Optional - You can optionally include an Alert Info, which can create distinctive rings on SIP phones.

**Call Confirmation Configuration**

**Confirm Calls**

Yes/No: Whether to confirm external calls. Call confirmation requires the remote party to press 1 to accept the call. This can help prevent an unanswered find me / follow me call from reaching an external voicemail box. This feature only works with the ringall or ringall-prim ring strategies.

**Remote Announce**

Message to be played to the person receiving the call if **Confirm Calls = Yes**. You can use the default message or select one of your System Recordings.
Too-Late Announce

Message to be played to the person receiving the call if Confirm Calls = Yes and the call has already been accepted elsewhere.

Change External CID Configuration

Mode

- **Default**: Transmits the caller’s CID if allowed by the trunk.
- **Fixed CID Value**: Always transmit the Fixed CID Value below.
- **Outside Calls Fixed CID Value**: Transmit the Fixed CID Value below on calls that come in from outside only. Internal extension-to-extension calls will continue to operate in default mode.
- **Use Dialed Number**: Transmit the number that was dialed as the CID for calls coming from outside. Internal extension-to-extension calls will continue to operate in default mode. There must be a DID on the inbound route for this. This will be BLOCKED on trunks that block foreign CallerID.
- **Force Dialed Number**: Transmit the number that was dialed as the CID for calls coming from outside. Internal extension-to-extension calls will continue to operate in default mode. There must be a DID on the inbound route for this. This WILL be transmitted on trunks that block foreign CallerID.

Fixed CID Value

Fixed value to replace the CID used with some of the modes above. Should be in a format of digits only with an option of E164 format using a leading “+”.

Destinations

No Answer

Optional destination call is routed to when the call is not answered on an otherwise idle phone. If the phone is in use and the call is simply ignored, then the busy destination will be used.

Remember to set Enabled = No at the top of the page after you’re done changing settings if you do not want find me / follow me to be active. Otherwise, it will be active for the extension after you save settings and apply config.

Advanced

- Click on the Advanced tab.
- There are many settings in this tab. See below for explanations of the options.
### Add SIP Extension

#### Assigned DID/CID
- **DID Description**: [Input Field]
- **Add Inbound DID**: [Input Field]
- **Add Inbound CID**: [Input Field]

#### Call Camp-On Services
- **Forcing default settings**: [Input Field]
  - **Caller Policy**: [Generic Device]
  - **Callee Policy**: [Generic Device]

#### Add Extension
- **DTMF Signaling**: [RFC 2833]
- **Can Redirect**: [No, Yes, nonat, update]
  - **Host**: [from-internal]
  - **Trust Redirect**: [No, Yes]
  - **Send Redirect**: [Send P-Asserted-Identity header]
  - **Connection Type**: [friend]
  - **NAT Mode**: [Yes - (force_rport,comedia)]
  - **Port**: [5060]
  - **Qualify**: [yes]
  - **Qualify Frequency**: [60]
  - **Transport**: [All - UDP Primary]
  - **Enable AVPF**: [No, Yes]
<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Force AVP</td>
<td>Yes</td>
</tr>
<tr>
<td>Enable ICE Support</td>
<td>Yes</td>
</tr>
<tr>
<td>Enable Encryption</td>
<td>Yes (SRTP only)</td>
</tr>
<tr>
<td>Call Groups</td>
<td></td>
</tr>
<tr>
<td>Pickup Groups</td>
<td></td>
</tr>
<tr>
<td>Disallowed Codecs</td>
<td></td>
</tr>
<tr>
<td>Allowed Codecs</td>
<td></td>
</tr>
<tr>
<td>Dial</td>
<td></td>
</tr>
<tr>
<td>Account Code</td>
<td></td>
</tr>
<tr>
<td>Mailbox</td>
<td></td>
</tr>
<tr>
<td>Voicemail Extension</td>
<td></td>
</tr>
<tr>
<td>Deny</td>
<td>0.0.0.0/0.0.0.0</td>
</tr>
<tr>
<td>Permit</td>
<td>0.0.0.0/0.0.0.0</td>
</tr>
<tr>
<td>CID Num Alias</td>
<td></td>
</tr>
<tr>
<td>SIP Alias</td>
<td></td>
</tr>
</tbody>
</table>

### Extension Options

<table>
<thead>
<tr>
<th>Option</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asterisk Dial Options</td>
<td></td>
</tr>
<tr>
<td>Ring Time</td>
<td>Default</td>
</tr>
<tr>
<td>Call Forward Ring Time</td>
<td>Default</td>
</tr>
<tr>
<td>Outbound Concurrency Limit</td>
<td>3</td>
</tr>
<tr>
<td>Call Waiting</td>
<td>Disable</td>
</tr>
<tr>
<td>Internal Auto Answer</td>
<td>Disable</td>
</tr>
<tr>
<td>Call Screening</td>
<td>Disable</td>
</tr>
</tbody>
</table>
### Pinless Dialing
- Default: Disable

### Emergency CID
- Default: Empty

### Queue State Detection
- Default: Use State

### Recording Options
- **Inbound External Calls**
  - Force: Force
  - Yes: Yes
  - Don't Care: Don't Care
  - No: No
  - Never: Never

- **Outbound External Calls**
  - Force: Force
  - Yes: Yes
  - Don't Care: Don't Care
  - No: No
  - Never: Never

- **Inbound Internal Calls**
  - Force: Force
  - Yes: Yes
  - Don't Care: Don't Care
  - No: No
  - Never: Never

- **Outbound Internal Calls**
  - Force: Force
  - Yes: Yes
  - Don't Care: Don't Care
  - No: No
  - Never: Never

- **On Demand Recording**
  - Disable: Disable
  - Enable: Enable
  - Override: Override

- **Record Priority Policy**
  - Default: 10

### Dictation Services
- **Dictation Service**
  - Default: Disabled

- **Dictation Format**
  - Default: Ogg Vorbis

- **Email Address**
  - Default: Empty

- **From Address**
  - Default: dictate@freebix.org

### DTLS
- **Enable DTLS**
  - Default: No

- **Use Certificate**
  - Default: Default

- **DTLS Verify**
  - Default: Fingerprint

- **DTLS Setup**
  - Default: Act/Pass

- **DTLS Rekey Interval**
  - Default: 0

### Optional Destinations
- **No Answer**
  - Default: Unavailable Voicemail if Enabled

- **CID Prefix**
  - Default: Empty

- **Busy**
  - Default: Busy Voicemail if Enabled

- **CID Prefix**
  - Default: Empty

- **Not Reachable**
  - Default: Unavailable Voicemail if Enabled

- **CID Prefix**
  - Default: Empty
**DID Description**

A description for this DID, such as "Fax".

**Add Inbound DID**

A DID that is directly associated with this extension. The DID should be in the same format as provided by the provider (e.g. full number, 4 digits for 10x4, etc.). Format should be: XXXXXXXXXX

**Add Inbound CID**

Add a CID for more specific DID + CID routing. A DID must be specified in the above Add Inbound DID field. In addition to standard dial sequences, you can also enter Private, Blocked, Unknown, Restricted, Anonymous, Withheld, and Unavailable in order to catch these special cases if the Telco transmits them.

**Call Camp-On Services**

**Caller Policy**

Asterisk: cc_agent_policy. Used to enable Camp-On for this user and set the technology mode that will be used when engaging the feature. In most cases Generic Device should be chosen unless your phones are designed to work with channel-specific capabilities.

**Callee Policy**

Asterisk: cc_monitor_policy. Used to control whether other phones are allowed to Camp On to this extension. If so, it sets the technology mode used to monitor the availability of the extension. If no specific technology support is available, then it should be set to a Generic Device. In this mode, a callback will be initiated to this extension when it changes from an InUse state to NotInUse. If it was busy when first attempted, this will be when the current call has ended. If it simply did not answer, then this will be the next time this phone is used to make or answer a call and then hangs up. It is possible to set this to take advantage of Native Technology Support if available and automatically fall back to the Generic Mode if not.

**Add Extension**

**DTMF Signaling**

The DTMF signaling mode used by this device, usually RFC for most phones. [dtmfmode]

**Can Reinvite**

No/Yes/nonat/update: Re-Invite policy for this device, see Asterisk documentation for details. [canreinvite]

**Context**

Asterisk context this device will send calls to. Only change this is you know what you are doing. [context]

**Host**

Host settings for this device, almost always dynamic for endpoints. [host]

**Trust RPID**

Whether Asterisk should trust the RPID settings from this device. Usually should be yes for CONNECTEDLINE() functionality to work if supported by the endpoint. [trustrpid]

**Send RPID**

Whether Asterisk should send RPID (or PAI) info to the device. Usually should be enabled to the settings used by your device for CONNECTEDLINE() functionality to work if supported by the endpoint. [sendrpid]

**Connection Type**

Asterisk connection type, usually friend for endpoints. [type]
NAT Mode

NAT setting, see Asterisk documentation for details. **Yes** usually works for both internal and external devices. Set to **No** if the device will always be internal. [nat]

- **Yes - (force_rport,comedia)**: Always ignore info and assume NAT
- **No - (no)**: Use NAT mode only according to RFC3581 (rport)
- **Force rport - (force_rport)**: Force rport to always be on.
- **comedia - (comedia)**: Use rport if the remote side says to use it and perform comedia RTP handling.
- **Automatic Force Both - (auto_force_rport,auto_comedia)**: See Below
- **Automatic Force rport - (auto_force_rport)**: Force rport if Asterisk detects that an incoming SIP request crossed a NAT after being sent by the remote endpoint.
- **Automatic comedia - (auto_comedia)**: Use comedia if Asterisk detects that an incoming SIP request crossed a NAT after being sent by the remote endpoint.
- **never - (no)**: Never attempt NAT mode or RFC3581 support
- **route - (force_rport)**: Assume NAT, don't send rport

Port

Endpoint port number to use, usually 5060. Some 2-port devices such as ATA may use 5061 for the second port.

Qualify

Setting to yes (equivalent to 2000 msec) will send an OPTIONS packet to the endpoint periodically (default every minute). Used to monitor the health of the endpoint. If delays are longer then the qualify time, the endpoint will be taken offline and considered unreachable. Can be set to a value which is the msec threshold. Setting to no will turn this off. Can also be helpful to keep NAT pinholes open.

Qualify Frequency

Frequency in seconds to send qualify messages to the endpoint.

Transport

This sets the allowed transport settings for this device and the default (Primary) transport for outgoing. The default transport is only used for outbound messages until a registration takes place. During the peer registration the transport type may change to another supported type if the peer requests so. In most common cases, this does not have to be changed as most devices register in conjunction with the host=dynamic setting. If you are using TCP and/or TLS you need to make sure the general SIP Settings are configured for the system to operate in those modes and for TLS, proper certificates have been generated and configured. If you are using websockets (such as WebRTC) then you must select an option that includes WS.

Enable AVPF

Whether to Enable AVPF. Defaults to no. The WebRTC standard has selected AVPF as the audio video profile to use for media streams. This is not the default profile in use by Asterisk. As a result the following must be enabled to use WebRTC.

Force AVP

Force 'RTP/AVP', 'RTP/AVPF', 'RTP/SAVP', and 'RTP/SAVPF' to be used for media streams when appropriate, even if a DTLS stream is present.

Enable ICE Support

Whether to Enable ICE (Interactive Connectivity Establishment) Support. Defaults to **no**. ICE is a protocol for Network Address Translator (NAT) traversal for UDP-based multimedia sessions established with the offer/answer model. This option is commonly enabled in WebRTC setups.

Enable Encryption

Whether to offer SRTP encrypted media (and only SRTP encrypted media) on outgoing calls to a peer. Calls will fail with HANGUPCAUSE=58 if the peer does not support SRTP. Defaults to **no**.

Call Groups

Callgroup(s) that this device is part of. Can be one or more callgroups, e.g. "1,3-5" would be in groups 1,3,4,5.

Pickup Groups
Pickup groups(s) that this device can pickup calls from. Can be one or more groups, e.g. "1,3-5" would be in groups 1, 3, 4, 5. Device does not have to be in a group to be able to pick up calls from that group.

**Disallowed Codecs**

Disallowed codecs. Set this to "all" to remove all codecs defined in the general settings, and then specify specific codecs separated by ";&" on the "allow" setting, or just disallow specific codecs separated by ";&".

**Allowed Codecs**

Allow specific codecs, separated by the ";&" sign and in priority order. E.g. "ulaw&g729". Codecs allowed in the general settings will also be allowed unless removed with the "disallow" directive above.

**Dial**

How to dial this device. This should not be changed unless you know what you are doing.

**Account Code**

Account code for this device.

**Mailbox**

Mailbox for this device. This should not be changed unless you know what you are doing. This will be automatically set to: &extnum>device

With an LDAP backend, to enable MWI (Message waiting indication), enter a semi-colon list of mailboxes in the form <extnum>@default

E.g. 101@default;102@default ...where the message lamp will light if any of the specified mailboxes has unread mail

**Voicemail Extension**

Asterisk dialplan extension to reach voicemail for this device. Some devices use this to auto-program the voicemail button on the endpoint. If left blank, the default vmexten setting is automatically configured by the voicemail module. Only change this on devices that have special needs.

**Deny**

IP Address range to deny access to, in the form of network/netmask.

**Permit**

IP Address range to allow access to, in the form of network/netmask. This can be a very useful security option when dealing with remote extensions that are at a known location (such as a branch office) or within a known ISP range for some home office situations.

**CID Num Alias**

The CID Number to use for internal calls, if different from the extension number. This is used to masquerade as a different user. A common example is a team of support people who would like their internal CallerID to display the general support number (a ringgroup or queue). There will be no effect on external calls.

**SIP Alias**

If you want to support direct sip dialing of users internally or through anonymous sip calls, you can supply a friendly name that can be used in addition to the users extension to call them.

**Extension Options**

**Asterisk Dial Options**

Cryptic Asterisk Dial Options. Check the **override** box to customize for this extension, or un-check to use system defaults set in Advanced Options. These will not apply to trunk options, which are configured with the trunk.
Ring Time
Number of seconds to ring prior to going to the "no answer" destination. Default will use the global default value set in Advanced Settings. If no voicemail is configured this will be ignored.

Call Forward Ring Time
Number of seconds to ring during a Call Forward, Call Forward Busy or Call Forward Unavailable call prior to continuing to voicemail or specified destination. Setting to Always will cause the phone to just continue to ring without going to the "no answer" destination. Default will use the current Ring Time. If voicemail is disabled and a destination is not specified, it will be forced into Always mode.

Outbound Concurrency Limit
Maximum number of outbound simultaneous calls that an extension can make. This is also very useful as a security protection against a system that has been compromised. It will limit the number of simultaneous calls that can be made on the compromised extension.

Call Waiting
Enable/Disable: Set the initial/current Call Waiting state for this user's extension. If disabled, a second concurrent incoming call would be sent to this extension's "busy" destination.

Internal Auto Answer
Disable/Intercom: When set to Intercom, calls to this extension/user from other internal users act as if they were intercom calls meaning they will be auto-answered if the endpoint supports this feature and the system is configured to operate in this mode. All the normal white list and black list settings will be honored if they are set. External calls will still ring as normal, as will certain other circumstances such as blind transfers and when a Follow Me is configured and enabled. If Disabled, the phone rings as a normal phone.

Call Screening
Call Screening requires external callers to say their name, which will be played back to the user and allow the user to accept or reject the call. Screening with memory only verifies a caller for their CallerID once. Screening without memory always requires a caller to say their name. Either mode will always announce the caller based on the last introduction saved with that CallerID. If any user on the system uses the memory option, when that user is called, the caller will be required to re-introduce themselves and all users on the system will have that new introduction associated with the caller's CallerID.

Pinless Dialing
Enabling Pinless Dialing will allow this extension to bypass any PIN codes normally required on outbound calls.

Emergency CID
This Caller ID will always be used when dialing out an Outbound Route that is designated as an "Emergency" route (i.e. when dialing 911). The Emergency CID overrides all other CallerID settings.

Queue State Detection
If this extension is part of a queue, then the queue will attempt to use the user's extension state or device state information when determining if this queue member should be called. In some uncommon situations, such as a Follow-Me with no physical device, or some virtual extension scenarios, the state information will indicate that this member is not available even when it is available. Setting this to Ignore State will make the queue ignore all state information, thus always trying to contact this member. Certain side effects can occur when this route is taken due to the nature of how queues handle local channels. For example, subsequent transfers will continue to show the member as busy until the original call is terminated. In most cases, this should be set to Use State.

Recording Options

Inbound External Calls
Force/Yes/Don't Care/No/Never: Recording of inbound calls from external sources.

Outbound External Calls
Force/Yes/Don't Care/No/Never: Recording of outbound calls to external sources.
Inbound Internal Calls

Force/Yes/Don’t Care/No/Never: Recording of calls received from other extensions on the system.

Outbound Internal Calls

Recording of calls made to other extensions on the system.

On Demand Recording

Disable/Enable/Override: Enable or disable the ability to do on demand (one-touch) recording. The overall calling policy rules still apply, and if calls are already being recorded by “Force” or “Never,” they cannot be paused unless “Override” is selected.

Record Priority Policy

This is the call recording policy priority relative to other extensions when there is a conflict (i.e. one extension wants to record and the other extension does not). The higher of the two priorities determines the policy. If the two priorities are equal, the global policy (caller or callee) determines the policy.

Dictation Services

Dictation Service

Disabled/Enabled: Whether Dictation service is available for this extension.

Dictation Format

Audio format to use for dictation (Ogg Vorbis, GSM, or WAV).

Email Address

The email address that completed dictations are sent to.

From Address

The email address that completed dictations are sent from. Format is “A Persons Name <email@address.com>“, without quotes, or just a plain email address.

DTLS

(Datagram Transport Layer Security)

Enable DTLS

No/Yes: Enable or disable DTLS-SRTP support.

Use Certificate

The Certificate to use from Certificate Manager

DTLS Verify

Verify that provided peer certificate and fingerprint are valid.

- Yes: Perform both certificate and fingerprint verification
- No: Perform no certificate or fingerprint verification
- Fingerprint: Perform ONLY fingerprint verification
- Certificate: Perform ONLY certificate verification

DTLS Setup

Whether we are willing to accept connections, connect to the other party, or both. This value will be used in the outgoing SDP when offering and for incoming SDP offers when the remote party sends actpass
- **Active**: we want to connect to the other party
- **Passive**: we want to accept connections only
- **Act/Pass**: we will do both

**DTLS Rekey Interval**

Interval at which to renegotiate the TLS session and rekey the SRTP session. If this is not set or the value provided is 0 rekeying will be disabled.

**Optional Destinations**

**No Answer**

Optional destination call is routed to when the call is not answered on an otherwise idle phone. If the phone is in use and the call is simply ignored, then the busy destination will be used instead.

**CID Prefix**

Optional CID Prefix to add before sending to this no answer destination.

**Busy**

Optional destination the call is routed to when the phone is busy or the call is rejected by the user. This destination is also used on an unanswered call if the phone is in use and the user chooses not to pick up the second call.

**CID Prefix**

Optional CID Prefix to add before sending to this busy destination.

**Not Reachable**

Optional destination the call is routed to when the phone is offline, such as a softphone currently off or a phone unplugged.

**CID Prefix**

Optional CID Prefix to add before sending to this not reachable destination.

**Other**

**Endpoint**

**Brand**

Brand of device to be provisioned

**MAC**

MAC Address of device to be provisioned

**Template**

Template to use for device

**Model**

Model of device to be provisioned

**Account**

Account number to be assigned
iSymphony Settings

Add to iSymphony

yes/no: Whether to make this extension available in iSymphony

Auto Answer

yes/no: Whether to make this extension automatically answer the initial call received from the system when performing an origination within iSymphony. Only works with Aastra, Grandstream, Linksys, Polycom, and Snom phones.

Language

Language Code

This will cause all messages and voice prompts to use the selected language if installed. Languages can be added or removed in the Sound Languages module.

Default Group Inclusion

Default Page Group

Exclude/Include: Whether this extension/device will be part of the default page group.

Default VMblast Group

Exclude/Include: Whether this extension/device will be part of the default voicemail blast group. Include will be ignored if the user does not have a voicemail box.

Device Options

Parkinglot

Choose a default Parking Lot for this extension.

Saving the Extension

- Click the Submit button
- Click the Apply Config button