FreePBX 13.0

- General changes
- New functionality
- Changed functionality
- New Modules
- Deprecated modules/functionality
- Developer level changes
  - General
  - Deprecations
  - New functionality
  - List of Issues Fixed in 13.0

General changes
These changes reflect changes that are generic and may span across multiple modules.

- Visual updates conforming to Bootstrap
- Form buttons moved in to action bar and float on the page
- Moved rnav (right side navigation) to bootnav (bootstrap styled navigation)

New functionality
These changes reflect new functionality within existing modules

- Framework - CLI fwconsole, replaces amportal. fwconsole is a native PHP application, where as amportal was a bash/php hybrid
- Framework - Whoops error handler replaces white screens
- Framework - UTF8 support throughout FreePBX (New installs only). Older installs can upgrade to a UTF8 database manually
- Framework - Intelligent 404 pages when modules are in upgrade mode or disabled
- Framework - Localization throughout FreePBX including javascript files
- Core - Quick create extension dialog for quickly creating extensions without having to load the entire extension page
- Paging - Multicast paging
- Backup - Backup wizard for quick backup creation
- Time Conditions - Timezone support

Changed functionality
These changes reflect a change in behavior or functionality for modules.

- Framework - Make fwconsole chown (was amportal chown) less generic and hookable.
- Framework - Improve reload (apply changes) speed. Benchmark 2500 extensions took 15 minutes now takes 4.
- Sysadmin - Free features now require system registration and activation
- System Recordings - Multi language support
- System Recordings - HTML5 in browser playback
- Call Recording Reports - HTML5 In browser playback
- Music on Hold - HTML5 in browser playback
- Find Me/Follow Me - Now resides inside of Extensions/Users when a new Extension or User is created
- Fax - Setting up a fax account now resides inside of User Manager
- Usermanager - LDAP sync support
- Voicemail - No longer uses vm_email.inc and vm_general.inc, these files have been merged into voicemail.conf and the includes have been removed

New Modules
These are new modules released as part of this release.

- Bulk handler - replaces bulk extensions and bulk dids adds support for contact manager and more modules in the future
- Sound Language - Manage multiple language sound files.
• CEL Reports module
• VPN Configuration module (Beta)

Deprecated modules/functionality

These are modules that are no longer officially supported or developed. They will likely break in future releases. Please note deprecation does not prevent security related updates

• Bulk extensions, replaced by bulk handler
• Bulk DIDs, replaced by bulk handler
• Camp on
• Framework - deprecate amportal, replace with twconsole

Developer level changes

These changes are meant for people developing FreePBX modules.

General

• All modules should conform to the Uniformity Guidelines

Deprecations

• PEAR database functions, all database functions have been moved to use PDO.

New functionality

• Bootstrap tables for interactive tables.
• Javascript fpbxToast allows toast messages to presented to the user
• Ajax errors present Toast messages for better debugging
• PHP Strict checking turned up to force cleaner coding. This may cause whoops errors on things that use to work

List of Issues Fixed in 13.0

<table>
<thead>
<tr>
<th>Key</th>
<th>Summary</th>
<th>T Created</th>
<th>Updated</th>
<th>Due</th>
<th>Assignee</th>
<th>Reporter</th>
<th>P Status</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREEPBX-20263</td>
<td>Some bugs happen with Oracle Connector</td>
<td>17 Jul , 2019</td>
<td>18 Jul , 2019</td>
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<td>27 Jun , 2019</td>
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Showing 20 out of 2070 issues