

fwconsole commands (13+)

"fwconsole" is the Linux command that controls FreePBX 13+ from the Linux command prompt.

To access the command prompt, log-in to the machine where you installed FreePBX/Asterisk using your "root" username and password. You can do so by accessing the keyboard of the machine where you installed FreePBX, or remotely using an SSH client such as Putty.

Then type one of the following "fwconsole" commands below

All commands can be suffixed with --help to get more information

Command List

Command	Short	Description
bulkimport	bi	This command is used to import extensions and dids
certificates		Certificate Management
chown		Change ownership of files
context	cx	Shows the specified context from the dialplan
doctrine		Specific database documentation (for Development)
debug	dbug	Stream log files for debugging
epm		Endpoint Manager
externalip	extip	Get External IP
firewall		Firewall functions
help		Displays help for a command
list		Lists commands
mysql	m	Runs MySQL Client using freepbx credentials
moduleadmin	ma	Module Administration
notification		Manage notifications
reload	r	Reload Configs and Asterisk
restart		Start Asterisk and run other needed FreePBX commands
pagingpro		Paging Pro Interface
phoneapps		Debug Phone App Problems (For XML Style BLFs)
sysadmin	sa	System Admin Functions
trunks		Enable and disable trunks from the command line
unlock		Unlock Session
userman		User Manager
util		Common Utilities
vqplus		VQPlus functions

Stop/Start/Restart



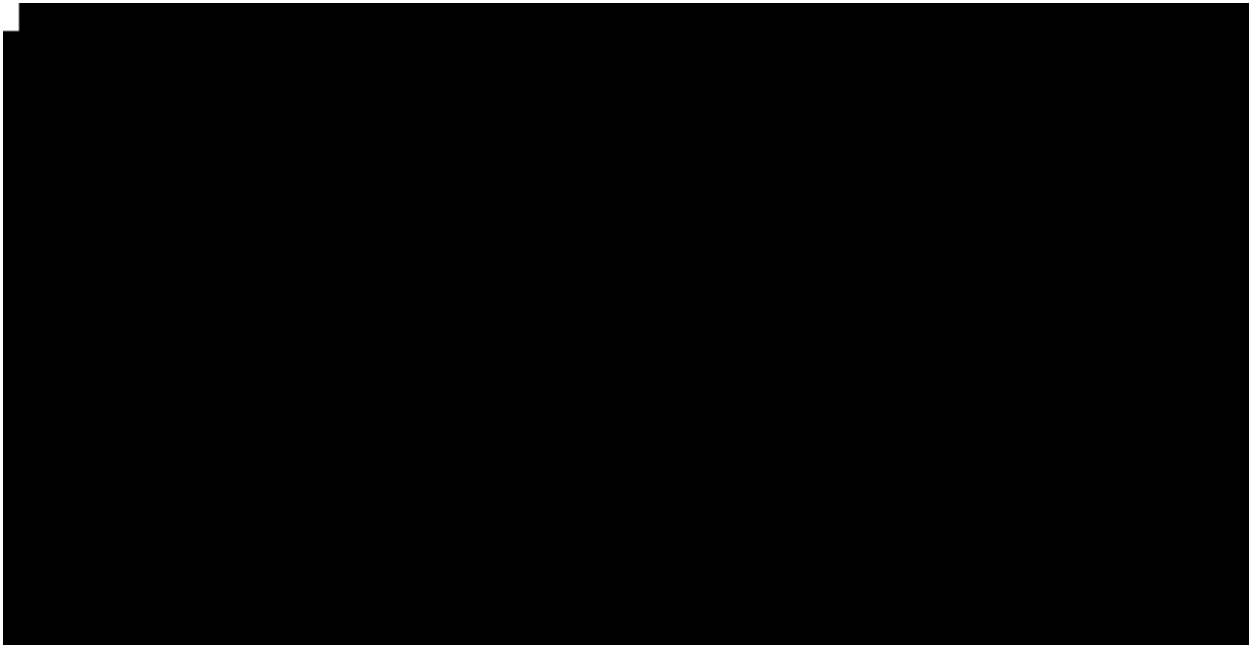
This is how FreePBX starts asterisk and any other processes it need. You should always start and restart asterisk with the amportal command not the service asterisk or /etc/init.d/asterisk commands

fwconsole stop

fwconsole start

fwconsole restart

Chown



fwconsole chown - This will change ownership of all files and directories that FreePBX needs to be owned by the apache user.

- See verbose details about chown operations (ownership and permissions per file)

```
[root@freepbxdev1 userman]# fwconsole chown --verbose
Setting /var/lib/asterisk/ucp/out.log owner to: asterisk:asterisk,
with permissions of: 644
Setting /var/lib/asterisk/ucp/err.log owner to: asterisk:asterisk,
with permissions of: 644
Setting /var/lib/asterisk/ucp/ucp.log owner to: asterisk:asterisk,
with permissions of: 644
Setting /var/lib/asterisk/ucp/config.json owner to: asterisk:asterisk,
with permissions of: 644
```

- Chown a specific file (or see details about only ONE file/directory)

```
[root@localhost ~]# fwconsole chown --verbose
--file=/var/www/html/admin/modules/timeconditions/bin/schedtc.php
Taking too long? Customize the chown command, See
http://wiki.freepbx.org/display/FOP/FreePBX+Chown+Conf
Setting Permissions...
Collecting Files...Done
Setting /var/www/html/admin/modules/timeconditions/bin/schedtc.php
owner to: asterisk:asterisk, with permissions of: 644
Setting /var/www/html/admin/modules/timeconditions/bin/schedtc.php
owner to: asterisk:asterisk, with permissions of: 755
Finished setting permissions
```

In the example above you will see two permissions set for one file. This is completely normal. The first one is the generic setting and the second one is the setting from the module itself.

Doctrine

This command is used to export out table information to be used in FreePBX table creation for module installations

Two formats are supported. XML and PHP.

The XML should be used in the module.xml file

```
[root@freepbxdev1 framework]# fwconsole doctrine meetme --format=xml
<database>
  <table name="meetme">
    <field name="exten" type="string" length="50"/>
    <field name="options" type="string" length="15" notnull="false"/>
    <field name="userpin" type="string" length="50" notnull="false"/>
    <field name="adminpin" type="string" length="50" notnull="false"/>
    <field name="description" type="string" length="50" notnull="false"/>
    <field name="joinmsg_id" type="integer" notnull="false"/>
    <field name="music" type="string" length="80" notnull="false"/>
    <field name="users" type="smallint" default="0" unsigned="true"
notnull="false"/>
    <field name="language" type="string" length="10"/>
    <key name="PRIMARY" type="unique">
      <column name="exten"/>
    </key>
  </table>
</database>
```

The PHP code should be used inside install.php or the module's class.

```
[root@freepbxdev1 framework]# fwconsole doctrine meetme --format=php
$stable = FreePBX::Database()->migrate("meetme");
$ccols = array (
  'exten' =>
    array (
      'type' => 'string',
      'length' => '50',
    ),
  'options' =>
    array (
      'type' => 'string',
      'length' => '15',
      'notnull' => false,
    ),
  'userpin' =>
    array (
      'type' => 'string',
      'length' => '50',
      'notnull' => false,
    ),
  'adminpin' =>
    array (
      'type' => 'string',
      'length' => '50',
      'notnull' => false,
    ),
  'description' =>
    array (
      'type' => 'string',
      'length' => '50',
```

```

        'nonnull' => false,
    ),
    'joinmsg_id' =>
    array (
        'type' => 'integer',
        'nonnull' => false,
    ),
    'music' =>
    array (
        'type' => 'string',
        'length' => '80',
        'nonnull' => false,
    ),
    'users' =>
    array (
        'type' => 'smallint',
        'nonnull' => false,
        'unsigned' => true,
        'default' => '0',
    ),
    'language' =>
    array (
        'type' => 'string',
        'length' => '10',
    ),
);

```

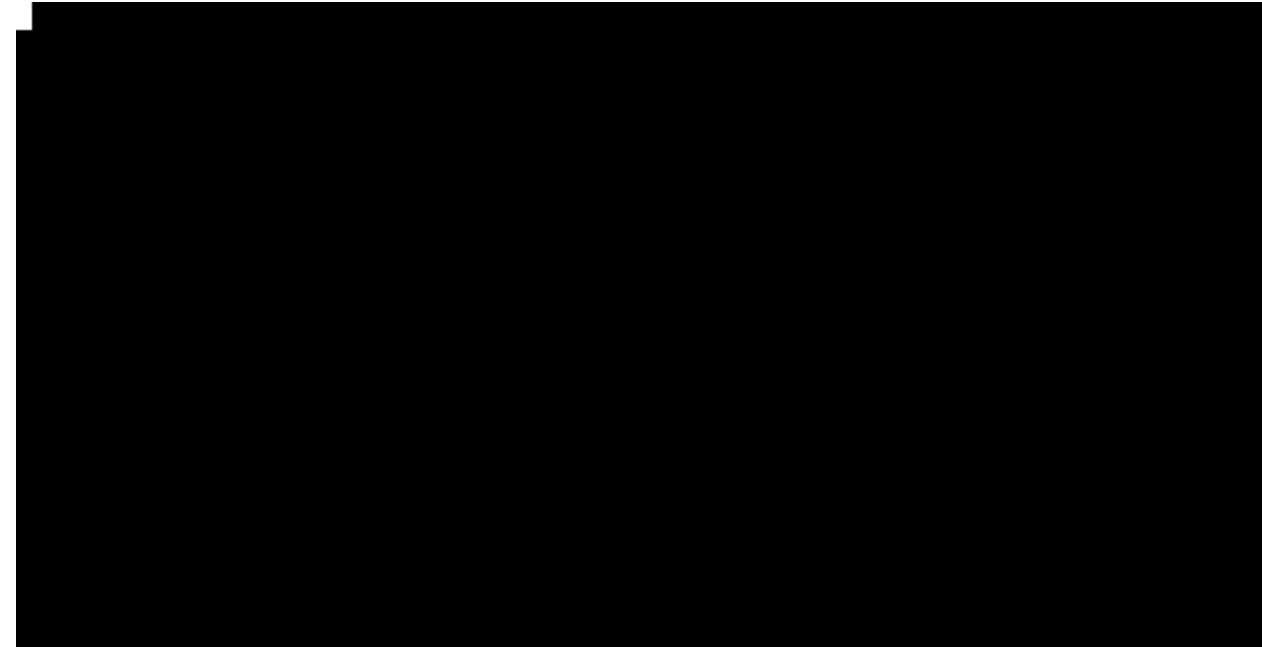
```

$indexes = array (
    'PRIMARY' =>
    array (
        'type' => 'unique',
        'cols' =>
        array (
            0 => 'exten',
        ),
    ),
),

```

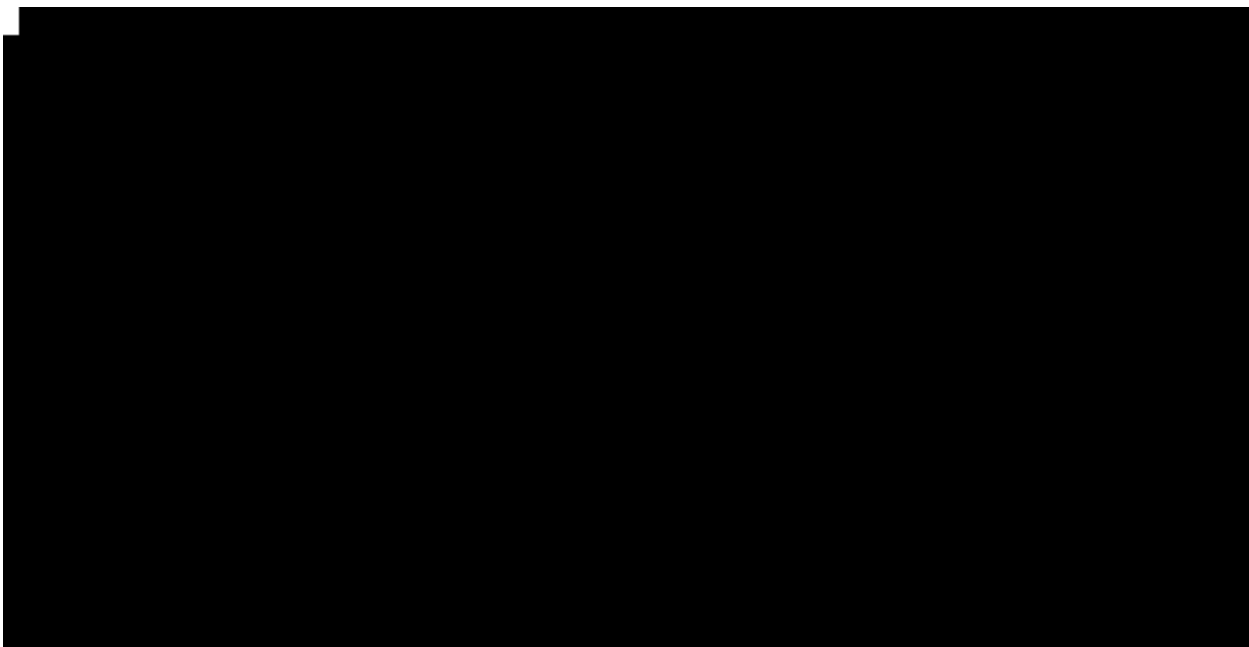
```
);  
$table->modify($cols);  
unset($table);
```

Reload



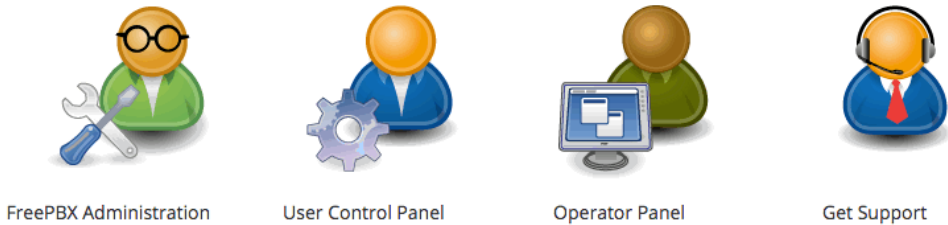
fwconsole reload - This will perform a reload of all the dialplan in Asterisk and all the modules in asterisk. This is the same as pressing the "Apply Changes" button in the GUI of FreePBX

Unlock



fwconsole unlock xxxxxxxxxxxxxxxx- The fwconsole unlock command will unlock the GUI login of FreePBX to let you into the FreePBX GUI without the username and password. This is handy if you lost or misplaced your FreePBX GUI username or password and need to get into the GUI to change or setup a new user. You need to replace the xxxxxx with your PHP session ID. Follow the steps below.

- Bring up the main login page to FreePBX in your browser. Such as <http://192.168.0.2/admin>
- Do a "ctrl a" to highlight the whole page and look to the left center of the screen for some text. This is your unique php session ID. Copy this into your clipboard.



- Go into the linux CLI and type the following command replacing the session ID below with your own.

```
[root@localhost ~]# fwconsole u pptr811vle32s3q8b79s4n1sp7
Please wait...
session unlocked!
[root@localhost ~]#
```

- Go refresh your browser page and it will log you in this one time automatically for you based on that php session ID. Now you can go add or change the FreePBX admin users.

Userman

This command provides information about User Manager

- Run synchronization for external authentication engines

```
[root@freepbxdev1 userman]# fwconsole userman sync
Starting Sync...
```

- Get verbose details about synchronization status

```
[root@freepbxdev1 userman]# fwconsole userman sync --verbose
Starting Sync...
```

Util

General Utility functions for FreePBX

- Clean up playback cache. This is normally run through a cron job. It removes any cached media (browser playback, moh/recording temp files,) that is over 60 days old.

```
[root@freepbxdev1 paging]# fwconsole util cleanplaybackcache
Starting Cache cleanup
Finished cleaning up cache
```

- Used to check all signatures on the system. Does not return any output

```
[root@freepbxdev1 paging]# fwconsole util signaturecheck
[root@freepbxdev1 paging]#
```

- Runs a repair against the SQL Databases

```
[root@freepbxdev1 paging]# fwconsole util tablefix
Attempting to repair MySQL Tables this may take a while
MySQL Tables Repaired
```

Database

fwconsole m This will connect you to the mysql database as the FreePBX user automatically based on the username and password for MySQL in /etc/freepbx.conf

```
[root@freepbxdev1 faxpro]# fwconsole m
Connecting to the Database...Reading table information for completion of
table and column names
You can turn off this feature to get a quicker startup with -A
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 123880
Server version: 5.1.73-log Source distribution
Copyright (c) 2000, 2013, Oracle and/or its affiliates. All rights
reserved.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input
statement.
mysql>
```

Module Administration

Command line utility for controlling FreePBX Module installation.


```

[root@ldev2 ~]# fwconsole ma
Module Administration Help:
Usage: fwconsole moduleadmin [-f][-R reponame][-R
reponame][action][arg1][arg2][arg...]
Flags:
-f - FORCE
-R - REPO, accepts reponame as a single argument
--edge - EDGE, forces download from the edge repository
--skipchown          Skip the chown operation
--nopromptdisabled   Don't ask to enable disabled modules
--format             Format can be: json, jsonpretty
--tag                Download/Upgrade to a specific tag
Module Actions:
checkdepends : Checks dependencies for provided module[s], accepts argument
module[s]
disable : Disables module[s] accepts argument module[s]
download : Download module[s], accepts argument module[s] or URLs
downloadinstall : Download and install module[s], accepts argument
module[s] or URLs
delete : Deleted module[s], accepts argument module[s]
enable : Enable module[s], accepts argument module[s]
install : Installs module[s], accepts argument module[s]
installlocal : Install local module[s], accepts argument module[s]
uninstall : Uninstalls module[s], accepts argument module[s]
upgrade : Upgrade module[s], accepts argument module[s]
All inclusive Module Actions:
installall : Installs all modules, accepts no arguments
enableall : Trys to enable all modules, accepts no arguments
upgradeall : Upgrades all modules, accepts no arguments
Repository Actions:
disablerepo : Disables repo, accepts argument repo[s]
enablerepo : Enables repo, accepts argument repo[s]
list : List all local modules, accepts no arguments
listonline : List online modules, accepts no arguments
showupgrades : Shows a list of modules that may be updated, accepts no
arguments
i18n : Shows translation information for supplied modules, accepts argument
module[s]
refreshsignatures : ReDownloads all modules that have invalid signatures

```

Edge modules:

In Framework 13.0.69 we added the ability to install [edge modules](#). To upgrade to a module in the edge track pass the --edge flag

```
fwconsole ma --edge upgrade foomodule
```

- Check Module Dependencies

```
[root@xxxxxxx ~]# fwconsole ma checkdepends core
All dependencies met for module core
```

- Disable a module

```
[root@freepbxdev1 faxpro]# fwconsole ma disable asterisk-cli
Module asterisk-cli successfully disabled
Updating Hooks...Done
```

- Download a Module

```
[root@xxxxxxx ~]# fwconsole ma download core
No repos specified, using: [standard,commercial] from last GUI
settings
Starting core download..
Processing core
Downloading...
 3076094/3076094 [=====] 100%
Finished downloading
Extracting...Done
Module core successfully downloaded
```

```
[root@xxxxxxx ~]# fwconsole ma download <url>
No repos specified, using: [standard,commercial] from last GUI
settings
Starting core download..
Processing core
Downloading...
 3076094/3076094 [=====] 100%
Finished downloading
Extracting...Done
Module core successfully downloaded
```

- Download a specific module

```
[root@xxxxxxx ~]# fwconsole ma download core --tag 1.2.3
No repos specified, using: [standard,commercial] from last GUI
settings
Starting core download..
Processing core
Downloading...
 3076094/3076094 [=====] 100%
Finished downloading
Extracting...Done
Module core successfully downloaded
```

- Download and install a Module

```
[root@xxxxxxx ~]# fwconsole ma downloadinstall core
No repos specified, using: [standard,commercial] from last GUI
settings
Starting core download..
Processing core
Downloading...
 3076094/3076094 [=====] 100%
Finished downloading
Extracting...Done
Module core successfully downloaded
Checking if directdids need migrating..already done
updating zap callgroup, pickupgroup..not needed
checking for delay_answer field ..already exists
checking for reversal field ..already exists
checking for pricid field ..already exists
Migrating pickup groups to named pickup groups
Migrating call groups to named call groups
Checking if trunk table migration required..not needed
Checking if privacy manager options exists..already exists
Checking for noanswer_cid field..already exists
Checking for busy_cid field..already exists
Checking for chanunavail_cid field..already exists
Checking for noanswer_dest field..already exists
Checking for busy_dest field..already exists
Checking for chanunavail_dest field..already exists
Unable to add index to extensions field in users
Checking for General Setting migrations..not needed
Deleting unused globals..done
Converting IAX nottransfer to transfer if needed..updated 0000 records
deleting obsoleted record_in and record_out entries..ok
checking for dest field in outbound_routes..already exists
checking for continue field in trunks..already exists
upgrading any zap trunks to dahdi if found..ok
Checking for possibly invalid emergency caller id fields..none found
Generating CSS...Done
Module core successfully installed
Updating Hooks...Done
```

```

[root@xxxxxxx ~]# fwconsole ma downloadinstall <url>
No repos specified, using: [standard,commercial] from last GUI
settings
Starting core download..
Processing core
Downloading...
 3076094/3076094 [======] 100%
Finished downloading
Extracting...Done
Module core successfully downloaded
Checking if directdids need migrating..already done
updating zap callgroup, pickupgroup..not needed
checking for delay_answer field ..already exists
checking for reversal field ..already exists
checking for pricid field ..already exists
Migrating pickup groups to named pickup groups
Migrating call groups to named call groups
Checking if trunk table migration required..not needed
Checking if privacy manager options exists..already exists
Checking for noanswer_cid field..already exists
Checking for busy_cid field..already exists
Checking for chanunavail_cid field..already exists
Checking for noanswer_dest field..already exists
Checking for busy_dest field..already exists
Checking for chanunavail_dest field..already exists
Unable to add index to extensions field in users
Checking for General Setting migrations..not needed
Deleting unused globals..done
Converting IAX nottransfer to transfer if needed..updated 0000 records
deleting obsoleted record_in and record_out entries..ok
checking for dest field in outbound_routes..already exists
checking for continue field in trunks..already exists
upgrading any zap trunks to dahdi if found..ok
Checking for possibly invalid emergency caller id fields..none found
Generating CSS...Done
Module core successfully installed
Updating Hooks...Done

```

Bulk Import

```

[root@freepbxdev1 faxpro]# fwconsole bulkimport --help
Options:
  --type (-t)          Type of file
Help:
  Import a file: fwconsole bulkimport
  --type=[extensions|dids|userman|contactmanager] filename.csv

```

If the Bulk Handler module is installed, you can use the command line to import a csv file as follows:

```
fwconsole bulkimport -t|--type="..." filename
```

You must specify the import type and the file name to a valid csv file for import.

CLI Examples:

```
# fwconsole bi --type='dids' dids.csv
Importing bulk dids
# fwconsole bi --type='extensions' extensions.csv
Importing bulk extensions
```

EPM

```
Usage: fwconsole endpoint action [arg arg...]
addmapping : Add extension to extension mapping.
Options:
    --brand      = Brand for extension ie: sangoma
    --mac        = MAC Address for extension.
    --template   = Template for extension.
    --model      = Model for extension.
    --account    = Account for extension.
    --accessory  = Accessory setting for extension.
    --vpn        = VPN ID for extension.

listextension : List extension(s) by order. Argument 1: Extension or ALL,
Argument 2: Column to order by. Option --detail = All mapping information.
listtemplates : List all templates.
reboot : Request phone to reboot.  SANGOMA PHONES ONLY
rebuild : Rebuild the config files for an extension/template/all
rebuiltupdate : Rebuild the config files for an extension/template/all and
tell phone(s) to check config.
remove : Remove an extension. Specify extension.
update : Send a notify to an extension/template/all to check its the
config. Will cause most phones to reboot.
```

- Add Mapping to Extension Mapping

```
# fwconsole epm addmapping 4101 --brand=sangoma --mac=005058500002
--template=sangomatest --model=S700 --account=account1
Extension 4101 added successfully.
```

- List Extensions

```
# fwconsole epm listextensions ALL
+-----+-----+-----+-----+-----+
--+-----+-----+-----+-----+-----+
```

Extension	Brand	MAC	Template	Model
Account	Expansion 1	Rebuild	VPN	
1012	Grandstream	000B82800001	grandstream-test	GXP-2170
account1		1		
4101	sangoma	005058500003	sangomatest	
account1				
4102	Yealink	001565211111	yealink-base	SIP-T26P
account1	EXP38-1	1		
4103	Sangoma	005058500001	sangomatest	S500
account1	EXP100-1	1	4103 - 4103 (ID: 4)	
4104	Sangoma	005058500002	sangomatest	S700
account1		1		

```
# fwconsole epm listextensions ALL --detail
```

Extension	Brand	MAC	Template	Model
Account	Accessory	Expansion 1	Expansion 2	Expansion 3
Expansion 4	Expansion 5	Expansion 6	BLF Substitution	BLF Label
Rebuild	VPN		Repeater 1	Repeater 2
Multicell			Repeater 3	
1012	Grandstream	000B82800001	grandstream-test	GXP-2170
account1				
				1
4101	sangoma	005058500003	sangomatest	
account1				
4102	Yealink	001565211111	yealink-base	SIP-T26P
account1		EXP38-1		
		None		1
4103	Sangoma	005058500001	sangomatest	S500
account1		EXP100-1	EXP100-2	EXP100-3
EXP100-4	EXP100-5	EXP100-6	None	
1	4103 - 4103 (ID: 4)			

4104	Sangoma	005058500002	sangomatest	S700
account1				1
+-----+				
-+-----+				

```

-----+-----+-----+-----+-----+
-+-+-----+-----+-----+-----+-----+
---+-----+

```

- List Templates

```

# fwconsole epm listtemplates
+-----+-----+-----+-----+-----+
-----+-----+-----+-----+-----+
-----+-----+
| Brand          | Template Name          | Destination | Time Zone |
Provision Type | Provision Address | Background          | Firmware |
Internal Default | External Default |
+-----+-----+-----+-----+-----+
-----+-----+-----+-----+-----+
| grandstream | grandstream-test      | 10.100.0.3 | -06:00 | TFTP
| 10.100.0.3   | digit-on-phone.png | 1.14      |
|              |                      |           |
| sangoma      | sangomatest           | 10.100.0.3 | -06:00 | HTTP
| 10.100.0.3   | digit-on-phone.png | 1.23      |
|              |                      |           |
| yealink      | yealink-base          | 10.100.0.3 | -06:00 | TFTP
| 10.100.0.3   | sangomapad.png       | 1.16      | Yes
| Yes          |                      |           |
+-----+-----+-----+-----+-----+
-----+-----+-----+-----+-----+
-----+-----+

```

- Reboot Devices

```

# fwconsole epm reboot 4103
Only works for Sangoma phones
Extension 4103 sent reboot command.

# fwconsole epm reboot sangomatest
Only works for Sangoma phones
Extension 4103 sent reboot command
Extension 4104 sent reboot command
Extension 4101 sent reboot command

```

- Rebuild Configuration Files


```
# fwconsole epm rebuild 4103  
Extension 4103 rebuilt
```

```
# fwconsole epm rebuild sangomatest  
Extension 4103 rebuilt  
Extension 4104 rebuilt  
Extension 4101 rebuilt
```

- Rebuild and Update Devices

```
# fwconsole epm rebuildupdate 4103  
Extension 4103 rebuilt  
Update command sent to 4103  
  
# fwconsole epm rebuildupdate sangomatest  
Extension 4103 rebuilt  
Extension 4104 rebuilt  
Extension 4101 rebuilt  
Update command sent to 4103  
Update command sent to 4104  
Update command sent to 4101
```

- Remove Devices

```
# fwconsole epm remove 4103  
4103 removed succesfully
```

- Update Devices

```
# fwconsole epm update 4103  
Update command sent to 4103  
  
# fwconsole epm update sangomatest  
Update command sent to 4103  
Update command sent to 4104  
Update command sent to 4101
```

Notification

```
[root@freepbxdev1 faxpro]# fwconsole notification --help
Options:
  --list          list notifications
  --delete        Delete notification
  --help (-h)     Display this help message
  --json          format list as json
Help:
Notifications Help:
Usage: fwconsole notification [--list] [--delete module id]
```

- List Notifications

```
[root@freepbxdev1 faxpro]# fwconsole notification --list
+-----+-----+-----+
| Module          | ID                  | Text                                     |
|-----+-----+-----+
| freepbx         | FW_UNSIGNED         | You have 95 unsigned modules          |
| freepbx         | NEWUPDATES          | There are 3 modules available for online upgrades |
| cron_manager    | EXECFAIL            | Cronmanager encountered 1 Errors      |
| dahdiconfig     | etcdahdimodules     | File /etc/dahdi/modules is not owned by asterisk |
| dahdiconfig     | etcdahdisystem.conf | File /etc/dahdi/system.conf is not owned by asterisk |
| dahdiconfig     | etcmmodprobe.ddahdi.conf | File /etc/modprobe.d/dahdi.conf is not owned by asterisk |
| freepbx         | modules_disabled    | You have 10 disabled modules          |
| cidlookup       | noauth              | OpenCNAM Requires Authentication      |
| fax             | invalid_email       | Invalid Email for Inbound Fax         |
| freepbx         | NEWMODS             | 1 New modules are available           |
| retrieve_conf   | SYMLINKNOTICE       | Symlink Conflict Resolved             |
| sipstationdid   | ss7149223196        | SIPSTATION DID routed                 |
+-----+-----+-----+
```

```
[root@freepbxdev1 faxpro]# fwconsole notification --list --json
[["freepbx","FW_UNSIGNED","You have 95 unsigned
modules"],["freepbx","NEWUPDATES","There are 3 modules available for
online upgrades"],["cron_manager","EXECFAIL","Cronmanager encountered
1 Errors"],["dahdiconfig","etcdahdimodules","File
\etc\dahdi\modules is not owned by
asterisk"],["dahdiconfig","etcdahdisystem.conf","File
\etc\dahdi\system.conf is not owned by
asterisk"],["dahdiconfig","etcmodprobe.ddahdi.conf","File
\etc/modprobe.d\dahdi.conf is not owned by
asterisk"],["freepbx","modules_disabled","You have 10 disabled
modules"],["cidlookup","noauth","OpenCNAM Requires
Authentication"],["fax","invalid_email","Invalid Email for Inbound
Fax"],["freepbx","NEWMODS","1 New modules are
available"],["retrieve_conf","SYMLINKNOTICE","Symlink Conflict
Resolved"],["sipstationdid","ss7149223196","SIPSTATION DID routed"]]
```

- Delete notification (by ID)

```

[root@freepbxdev1 faxpro]# fwconsole notification --delete dahdiconfig
etcdahdimodules
Deleting notification
Notification Deleted
[root@freepbxdev1 faxpro]# fwconsole notification --list
+-----+-----+-----+
| Module          | ID                  | Text                                     |
|-----+-----+-----|
| freepbx         | FW_UNSIGNED        | You have 95 unsigned modules          |
| freepbx         | NEWUPDATES         | There are 3 modules available for online upgrades |
| cron_manager    | EXECFAIL           | Cronmanager encountered 1 Errors      |
| dahdiconfig     | etcdahdisystem.conf | File /etc/dahdi/system.conf is not owned by asterisk |
| dahdiconfig     | etcmodprobe.ddahdi.conf | File /etc/modprobe.d/dahdi.conf is not owned by asterisk |
| freepbx         | modules_disabled   | You have 10 disabled modules          |
| cidlookup       | noauth             | OpenCNAM Requires Authentication      |
| fax             | invalid_email      | Invalid Email for Inbound Fax         |
| freepbx         | NEWMODS            | 1 New modules are available           |
| retrieve_conf   | SYMLINKNOTICE      | Symlink Conflict Resolved             |
| sipstationdid   | ss7149223196       | SIPSTATION DID routed                 |
+-----+-----+-----+

```

```
[root@freepbxdev1 restapps]# fwconsole pagingpro --help
Usage:
  pagingpro [-c|--clean] [-e|--execute="..."] [-l|--list[="..."]]
Options:
  --clean (-c)           Cleanup stale pages and add needed pages
  --execute (-e)         Execute a scheduled page now
  --list (-l)            List Scheduled Pages
  --help (-h)            Display this help message
  --quiet (-q)           Do not output any message
  --verbose (-v|vv|vvv) Increase the verbosity of messages: 1 for normal
output, 2 for more verbose output and 3 for debug
```

- Cleanup stale pages and add needed pages (This is also run as a cron in crontab every minute. There it's called: `*/1 * * * * /var/lib/asterisk/bin/pagepro-scheduler.php 2>&1 >/dev/null`)
Run command with `--verbose` to get detailed data

```
[root@freepbxdev1 framework]# fwconsole pagingpro --clean --verbose
Found scheduled page for ID 500 occuring at 1466527800
```

- List active scheduled pages

```
[root@freepbxdev1 framework]# fwconsole pagingpro --list
+-----+-----+-----+
| Page ID | Time          | Cron Exists |
+-----+-----+-----+
| 500     | 1466527800    | Yes         |
+-----+-----+-----+
```

- List specific scheduled page by id

```
[root@freepbxdev1 framework]# fwconsole pagingpro --list 500
+-----+-----+-----+
| Page ID | Time          | Cron Exists |
+-----+-----+-----+
| 500     | 1466527800    | Yes         |
+-----+-----+-----+
```

- Execute a scheduled page immediately (for testing) using the paging pro page scheduler processes

```
[root@freepbxdev1 framework]# fwconsole pagingpro --execute 500
[root@freepbxdev1 framework]# <phones should be ringing>
```

Phone Apps

```
[root@freepbxdev1 restapps]# fwconsole phoneapps --help
Arguments:
  blf                Show BLF States: <ext> [<app>]
Options:
  --help (-h)        Display this help message
  --quiet (-q)        Do not output any message
  --verbose (-v|vv|vvv) Increase the verbosity of messages: 1 for normal
output, 2 for more verbose output and 3 for debug
```

- Get statuses of BLF lights for extension

```
[root@freepbxdev1 restapps]# fwconsole phoneapps blf 12000
```

ID	BLF Status
Call Forward	Inactive
Conference	Inactive
DND	Inactive
Follow Me	Active
Parking	Inactive
Queues	Inactive
Queue Agent	Active
Time Conditions	Inactive
Voicemail	Active
Call Flow	Inactive

- Get status of BLF lights for single Application

```
[root@freepbxdev1 restapps]# fwconsole phoneapps blf 12000 "Parking"
```

ID	BLF Status
Parking	Inactive

- Get more information about said hint by adding "--verbose"

```
[root@freepbxdev1 restapps]# fwconsole phoneapps blf 12000 "Call Flow"
--verbose
```

ID	BLF Status	Hint
Call Flow	Inactive	Custom:DAYNIGHT0

System Admin

```
[root@freepbxdev1 faxpro]# fwconsole sysadmin --help
Help:
Usage: fwconsole sysadmin action [arg arg...]
info : Display Activation info
activate : Activate system with provided Deployment ID
update : Refresh Activation information
```

- Get Activation Information

```
[root@freepbxdev1 faxpro]# fwconsole sysadmin info
Activation Status:
Zend ID: M:XXXXX-XXXXX-XXXXX-XXXXX
Lic File: Present
Deployment: freepbxdev1
```

- Update the license file on your installation

```
[root@freepbxdev1 faxpro]# fwconsole sysadmin update
Updating license for freepbxdev1
Done!
No changes from original Licence.
```

- Activate system using your deploymentid

```
[root@freepbxdev1 faxpro]# fwconsole sysadmin activate <deploymentid>
```

Trunks

interactive toggle

```
[root@pbx ~]# fwconsole trunks
```

Choose an ID to enable/disable

ID	TECH	Channel ID	Disabled
1	pjsip	flowroute	off
2	sip	fpbx-1-QWm3eNC4UIDn	on
3	sip	fpbx-2-QWm3eNC4UIDn	off
4	pjsip	Telnyx	off

[1] 1

[2] 2

[3] 3

[4] 4

>

specifying a trunk to enable or disable

```
[root@pbx ~]# fwconsole trunks --enable 2
```

Enabling Trunk 2

```
[root@pbx ~]# fwconsole trunks --disable 2
```

Disabling Trunk 2