

**SCOPSERV**  
INTERNATIONAL INC.

Installing FOP2



## Enable the Flash Operator Panel

Under Configuration → Telephony → Configuration →  
Telephony Modules → Addons.

Custom Dialplan Action :   
(UserEvent/AGI/HTTP/script)

**Addons**

Flash Operator Panel	: <input checked="" type="checkbox"/>
Broadband Connection Watchdog	: <input type="checkbox"/>
TAPI Integration (asttapi) *DEPRECATED*	: <input type="checkbox"/>
ScopServ Call Center Server (SCCS)	: <input type="checkbox"/>
ScopServ External API	: <input type="checkbox"/>
Noojee Receptionist	: <input type="checkbox"/>
Google Web API (Reports)	: <input type="checkbox"/>





Once enabled, download and install the software using the commands below:

- `cd /usr/src/`
- `wget http://download2.fop2.com/fop2-2.27-centos-x86\_64.tgz`

```
[root@crystalweb ~]# cd /usr/src/
[root@crystalweb src]# wget http://download2.fop2.com/fop2-2.27-centos-x86_64.tgz
--2017-06-20 16:06:08-- http://download2.fop2.com/fop2-2.27-centos-x86_64.tgz
Resolving download2.fop2.com... 45.63.106.122
Connecting to download2.fop2.com|45.63.106.122|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 10238125 (9.8M) [application/octet-stream]
Saving to: "fop2-2.27-centos-x86_64.tgz"

16% [=====>] 1,680,136 139K/s eta 71s
```



- tar -zxvf fop2-2.27-centos-x86\_64.tgz

```
Fop2/fop2manager/admin/pagebs.fop2users.php
Fop2/fop2manager/admin/http.php
Fop2/fop2manager/admin/dblib.php
Fop2/fop2manager/admin/xml2array.php
Fop2/fop2manager/admin/functions.inc.php
Fop2/fop2manager/admin/images/
Fop2/fop2manager/admin/images/ajax-loader.gif
Fop2/fop2manager/admin/images/paid.png
Fop2/fop2manager/admin/_cache/
Fop2/fop2manager/admin/install.php
Fop2/fop2manager/admin/index.php
Fop2/fop2manager/admin/output_po_file.sh
Fop2/fop2manager/admin/i18n/
Fop2/fop2manager/admin/i18n/es_ES/
Fop2/fop2manager/admin/i18n/es_ES/LC_MESSAGES/
Fop2/fop2manager/admin/i18n/es_ES/LC_MESSAGES/fop2manager.po
Fop2/fop2manager/admin/i18n/es_ES/LC_MESSAGES/fop2manager.mo
Fop2/fop2manager/admin/pagebs.fop2plugins.php
Fop2/config_generators/
Fop2/config_generators/autoconfig-users-thirdlane-voicemailperm.pl
Fop2/config_generators/autoconfig-buttons-thirdlane.pl
Fop2/config_generators/autoconfig-users-thirdlane.pl
Fop2/config_generators/autoconfig-astman.sh
Fop2/config_generators/astoli
Fop2/LICENSE
Fop2/server/
Fop2/server/generate_override_contexts.pl
Fop2/server/autobuttons.cfg
Fop2/server/extensions_override_freepbx.conf
Fop2/server/autoconfig-users-freepbx.sh
Fop2/server/recording_fop2.pl
Fop2/server/recordingcdr.pl
Fop2/server/buttons.cfg.sample
Fop2/server/tovoicemail.pl
Fop2/server/FOP2Callbacks.pm.sample
Fop2/server/autoconfig-buttons-freepbx.sh
Fop2/server/recording_elastix.pl
Fop2/server/fop2.cfg
Fop2/server/fop2_server
[root@crystalweb src]#
```

- cd fop2
- make install

```
[root@crystalweb src]# cd fop2
You have mail in /var/spool/mail/root
[root@crystalweb fop2]# make install
Done!
[root@crystalweb fop2]#
```





Once installed, go to Configuration → Telephony and enabled the service.

Once applied, navigate to Configuration → Telephony → Miscellaneous → Flash Operator Panel

**Bootup Services:**

**Start at bootup:**

Telephony Server	: <input checked="" type="checkbox"/>
Queue (ACD) Import (SQL)	: <input checked="" type="checkbox"/>
Analog/Digital Modules (DAHDI/Wanpipe)	: <input checked="" type="checkbox"/>
FastAGI Server	: <input checked="" type="checkbox"/>
Flash Operator Panel	: <input type="checkbox"/>
Flash Operator Panel 2	: <input checked="" type="checkbox"/>
Flood Protection (Fail2ban)	: <input checked="" type="checkbox"/>
Live Monitoring daemons (Realtime)	: <input checked="" type="checkbox"/>

[Apply Change](#)

**General Information**

LDAP Source ODBC Source RSA Keys Password List DND Codes **Flash Operator Panel**

**Flash Operator Panel:** [+ Add a new Panel](#)

Search:  [Search](#)

No information have been specified.

Action: [-](#) select an action [-](#)





Add a panel, select tenant and Version 2 and then add a name.

A screenshot of a web form for adding an operator. The form has a light grey background with white input fields. It contains the following fields: "Tenant" (a dropdown menu with "crystalweb" selected), "Name" (a text input field with "crystal" entered, with a red asterisk and the text "This field is required." above it), "Description" (a large empty text area), "Version" (a dropdown menu with "2" selected, with "Default: 1" below it), and "Language" (a dropdown menu with "Default" selected). At the bottom left of the form are two blue buttons: "Add" and "Cancel".


Navigate to the buttons and select the extensions you require.

A screenshot of a web browser window showing a "Select" dialog box. The browser's address bar shows the URL "197.97.119.66:5555/telephony/services/select.php?formname=add\_operator&amp;field=operator\_buttons&amp;type=phone%7Cagent%7Cfop\_features%7Cinterface%". The dialog box has a blue header with the word "Select" and a search bar. Below the search bar is a list of SIP extensions: "1001: Shaan Kaplan (SIP)", "1002: Ryno Boshoff (SIP)", "1003: Karen Charlton (SIP)", "1004: Paul Hjul (SIP)", "1005: Brian Seligmann (SIP)", "1006: Mikey Mathe (SIP)", "1007: Tamryn Matthee (SIP)", "1008: MJ Selepe (SIP)", "1009: Elsie Pretorius (SIP)", "1010: Ryan Ash (SIP)", and "1011: Kevin Seligmann (SIP)". A blue button with "&gt;&gt;" is next to the list. To the right of the list is a white box with the text "Add these by clicking OK \*". Below the dialog box are "OK" and "Cancel" buttons. In the background, a portion of the main interface is visible, showing a table with yellow and blue rows and a button labeled "Add a new Panel".





Enable web gui access to the extension.


Enable 'User Web GUI'  :

\* Username :

\* Password :

[Generate Password](#)

**Other**

Enable Flash Operator Panel ?  :

\* Panel(s) :  crystal  
[Select all](#), [Select none](#), [Invert selection](#)

\* Permission(s) :  dial  
 hangup  
 meetme  
 pickup  
 record  
 spy  
 transfer  
 transferexternal  
 whisper  
 queuemanager  
 queueagent  
 phonebook  
 chat  
 preferences  
 hangupself  
 recordself  
 voicemailadmin  
[Select all](#), [Select none](#), [Invert selection](#)





Once added, then commit and restart the httpd service and the fop2 service.

Enable listening on the Mysql server.

Test connection from terminal using the below command:

- `/usr/local/fop2/fop2_server --test`

A screenshot of a web-based configuration interface for MySQL Performance Tuning. The interface has two tabs: "General" (selected) and "Performance Tuning". Under the "Performance Tuning" tab, there are three configuration options, each with a help icon (a blue circle with a question mark) and a checkbox:

- Enable TCP/IP listening ?** :  If unchecked, this can be a security enhancement, if all processes that need to connect to mysqld run on the same host. If this option must be enabled.
- Enable MySQL Replication ?** :  MySQL replication allows you to have an exact copy of a database from a Master server on another server (Slave), and all updates on the master server are immediately replicated to the database on the Slave server, so that both databases are in sync.
- Enable High Availability Support ?** :  This option allows to specify custom 'Read/Write/Slave' Database Server for Telephony Configuration and Reports (CDR, ACN, etc.).

Below these options is a section titled "Timeout" with two rows:

- \* Interactive Timeout :**  The number of seconds the server waits for activity on an interactive connection before closing it.
- \* Wait Timeout :**  The number of seconds the server waits for activity on a noninteractive connection before closing it.

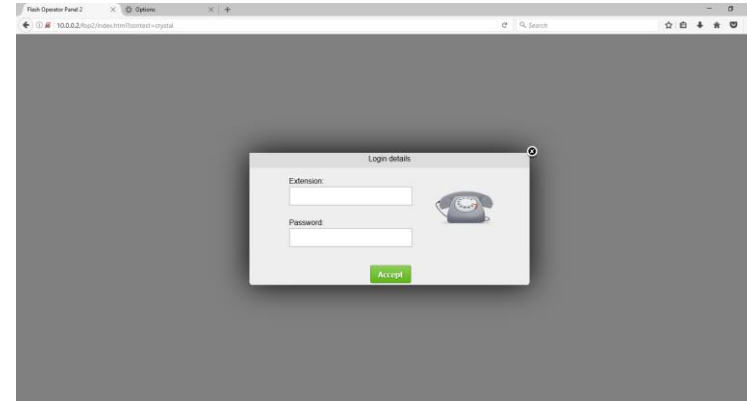
At the bottom of the configuration area are two buttons: "Save" and "Cancel".





Connect to the FOP2 using (IP of server)

- /fop2/index.html?context=(FOP2 name)



Enter the username and password that is assigned to the extension.

