Asterisk GUI

Introduction to Asterisk GUI

Asterisk GUI is a framework for the creation of graphical interfaces for configuring Asterisk. Some sample graphical interfaces for specific vertical markets are included for reference or for actual use and extension.

Software License

Asterisk GUI HTML and Javascript files Copyright (C) 2006-2011 Digium, Inc.

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Please contact Digium for information on alternative licensing arrangements for Asterisk GUI.

Download

While package release is inconsistent and infrequent, you can always get a current copy of Asterisk GUI from subversion. The current stable version will always be under `branches` and is currently located in `branches/2.0`.

Support

Please note that Asterisk GUI is not officially supported, though bugs, patches, and feature requests may be submitted at http://issues.asterisk.org and should reference the Asterisk GUI project. You may also find peer support in the #asterisk-gui IRC channel and the Asterisk GUI forum.

Installation and Configuration

Installation

```
$ ./configure
$ make
$ make install
$ make checkconfig
```

Configuration

You may install sample configuration files by doing "make samples". Also you will need to edit your Asterisk configuration files to enable Asterisk GUI properly, specifically:

http.conf:

Enable http.

```
[general]
enabled=yes
enablestatic=yes
#bindaddr=0.0.0.0 # allow GUI to be accessible from all IP
addresses.
bindaddr=127.0.0.1 # require access from the machine Asterisk is
running on
bindport=8088
```

manager.conf

Enable manager access.

```
[general]
enabled = yes
webenabled = yes
```

Create an appropriate entry in `manager.conf` for the administrative user (PLEASE READ THE security.txt FILE!)

```
[admin]
secret = thiswouldbeaninsecurepassword
read =
system,call,log,verbose,command,agent,config,read,write,originate
write =
system,call,log,verbose,command,agent,config,read,write,originate
```

Access Asterisk GUI via a URL formatted in the following way, where $IP is the IP address on which both Asterisk and Asterisk GUI are installed, $PORT is `bindport` from `http.conf`, and $PREFIX is the `prefix` from `http.conf`, and it can be omitted if blank.

```
http://$IP:$PORT/$PREFIX/static/config/index.html
```

Troubleshooting

Check your filesystem permissions:

```
$ chown -R asterisk:asterisk /etc/asterisk/ /var/lib/asterisk
/usr/share/asterisk # if asterisk runs as the user "asterisk"
$ chmod 644 /etc/asterisk/*
```

Check that the bindaddr value in `/etc/asterisk/http.conf` matches the IP address of the machine you're using to **access** Asterisk GUI, not necessarily the IP address Asterisk GUI is running on.

Check on the Asterisk CLI that Asterisk is receiving the values you've set.

```
http show status
manager show settings
```

Output should look like this:

```
amelia*CLI&gt; http show status
HTTP Server Status:
Prefix: /asterisk
Server Enabled and Bound to 0.0.0.0:8088

Enabled URI's:
/asterisk/httpstatus =&gt; Asterisk HTTP General Status
/asterisk/phoneprov/... =&gt; Asterisk HTTP Phone Provisioning Tool
/asterisk/amanager =&gt; HTML Manager Event Interface w/Digest
authentication
/asterisk/arawman =&gt; Raw HTTP Manager Event Interface w/Digest
authentication
/asterisk/manager =&gt; HTML Manager Event Interface
/asterisk/rawman =&gt; Raw HTTP Manager Event Interface
/asterisk/static/... =&gt; Asterisk HTTP Static Delivery
/asterisk/amxml =&gt; XML Manager Event Interface w/Digest
authentication
/asterisk/mxml =&gt; XML Manager Event Interface

Enabled Redirects:
  None.
amelia*CLI&gt; manager show settings

Global Settings:
----------------
  Manager (AMI):            Yes
  Web Manager (AMI/HTTP):   Yes
  TCP Bindaddress:          0.0.0.0:5038
  HTTP Timeout (minutes):   60
  TLS Enable:               No
  TLS Bindaddress:          Disabled
  TLS Certfile:             asterisk.pem
  TLS Privatekey:
  TLS Cipher:
  Allow multiple login:     Yes
  Display connects:         Yes
  Timestamp events:         No
  Channel vars:
  Debug:                    No
  Block sockets:            No
```

Check that the ports you've specified are open by using telnet from another computer.

```
telnet $ASTERISK_SERVER_IP_ADDRESS 5038
telnet $ASTERISK_SERVER_IP_ADDRESS 8088
```

Check that the `dahdi_genconf` script runs correctly and creates `/etc/asterisk/dahdi_guiread.conf`.

Check the existence of `/etc/asterisk/guipreferences.conf` and inside that file, the existence of the following line:

```
config_upgraded = yes
```

Check the last modified date of `/etc/asterisk/http.conf`. Asterisk GUI updates the timestamp on this file every time it is loaded. If the timestamp is not getting updated, your HTTP request is either not making it to Asterisk or it is not being processed correctly by Asterisk. This indicates a configuration error.

Check that the user Asterisk runs as has a login shell. Asterisk GUI depends on Asterisk being able to use the System application.

```
su - asterisk
```

If you installed Asterisk GUI via 'yum' or 'apt-get', you may need to symlink `/var/lib/asterisk/static-http` to `/usr/share/asterisk/static-http`. Unfortunately `/usr/share/asterisk/static-http` will already exist, but fortunately it does not contain any useful files.

```
ls /var/lib/asterisk/static-http/config &amp;&amp; rm -rf
/usr/share/asterisk/static-http &amp;&amp; ln -s
/var/lib/asterisk/static-http /usr/share/asterisk/static-http
```

Development

Debugging

To turn on debug messages, open `config/js/session.js`. On line 30, set "log" to "true":

```
log: true, /**&lt; boolean toggling logging */
```

Hide Menu Categories

Hide menu categories by changing the HTML class attribute to "AdvancedMode" in index.html.

Show them by enabling Advanced Options in the GUI.