

# Activating FastAGI

This page reorganizes the operational steps for **Activating FastAGI**.

With very busy servers, it can help to offload the AGI scripts to another server or process. The load is reduced because there is no need to spawn a process every time a new AGI script is run.

## install node

On CentOS 6/7

```
curl -sL https://rpm.nodesource.com/setup_14.x | sudo bash -  
sudo yum install -y nodejs  
npm install -g npm
```

On CentOS 9

```
curl -fsSL https://rpm.nodesource.com/setup_20.x | sudo bash -  
yum install nodejs -y  
npm install -g npm
```

## install pm2

```
sudo npm i -g pm2
```

Copy the whole node folder

<del><https://git.freepbx.org/projects/FREEPBX/repos/core/browse/node></del>

the PBX web address

to /var/lib/asterisk/agi-bin directory

## run pm2 at start up

```
pm2 startup
pm2 install pm2-logrotate
```

# start fast agi script with pm2

```
pm2 start /var/lib/asterisk/agi-bin/node/fastagi-server.js
pm2 save
pm2 list
pm2 update
```

fastagi-server.js (--watch) don't use watch it reloads for all files in the path

## centos 6

```
cd ~
wget http://nodejs.org/dist/v10.15.1/node-v10.15.1-linux-x64.tar.gz # (Must check the latest
version change the version name accordingly)
sudo tar --strip-components 1 -xzf node-v10.15.1-linux-x64.tar.gz -C /usr/local # (Must check
the latest version change the version name accordingly)
```

Verify by using: node --version

```
npm i -g pm2
```

## Final setting

On the MiRTA PBX side, you can edit the extensions.ael and uncomment the row at top, in globals section (but this change will be overwritten at every upgrade) or add a file in /etc/asterisk/extensions.d named for example fastagi.ael and containing:

```
globals {
FASTAGI=agi://127.0.0.1/;
};
```

You need to reload AEL only the first time

# Patching fastagi

It seems there is a bug in the current fastagi-server.js. It tries to split the parameters with the ":", but that is breaking the date when uploading the recordings.

Replace the line:

```
let s = line.split(":").map((item) => {
```

With

```
let s = line.split(": ").map((item) => {
```

Once patched, you need to run

```
pm2 reload fastagi-server
```

## Current Verification

After applying the change, verify the related MiRTA PBX page, the Asterisk logs, and the relevant Status menu entry. Recheck tenant selection before testing tenant-specific behavior.

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