

The latest Asterisk 1.6.2 was integrated in [Switchfin trunk](#)

In the configuration menu of the building process a selection Asterisk 1.4/1.6 was implemented. Asterisk 1.6 offers series of new features like shown below. Keep in mind that for now Asterisk 1.6

is experimental and is not recommended for production environments.

## Asterisk 1.6 New features:

### Asterisk Manager Interface

- Support TLS and HTTPS
- Many headers renamed for consistency
- Direct support for JSON output for AJAX applications
- New 'Bridge' action to connect two existing channels
- Added many methods for configuration file management
- Version number of interface has been changed so application developers can know what features are available and which version of Asterisk is being used

### Asterisk Dialplan

- Custom device state creation and queries
- 'Lock' support for dialplans which need to be able to run code in an exclusive method
- More functions to query hints, system information, manipulate Caller ID parameters
- Ability to generate custom DUNDi queries and parse results
- Ability to generate custom ENUM queries and parse results
- 'Bridge' application to connect a channel to any existing channel

### SIP channel driver

- Improved NAT support and support for STUN
- Registrations to external servers can be stored in Realtime database

- Support for T.140 realtime text
- Support for T1 and B session timers
- Experimental TCP and TLS support

### **Voicemail system**

- Message Waiting Indications now use generic event system, and mailbox polling has been eliminated
- As a result, MWI events can be distributed among multiple Asterisk servers, meaning it is now possible to have SIP endpoints registered to a different server than the one that holds their mailboxes
- Implemented fullyfeatured SMDI support for support of legacy PBX systems

### **Call Detail Records**

- ODBC and PostgreSQL drivers now support 'adaptive' column mapping, making it easy to fill database columns with variables from the dialplan
- CDR variables can now be included in AMI events when cdr\_manager module is used
- CDR variables can now be posted to SQLite3 databases

### **Miscellaneous**

- New console channel driver that uses portaudio to work on many platforms (and also supports video)
- Jitterbuffer support in the local channel driver can be used for applications that need it
- SS7 (both ETSI and ANSI) support in PSTN channel driver
- Channel driver for Nortel i20xx series IP phones
- Dozens of new features in queue (ACD) application
- Support for Realtime in MeetMe conferencing, to easily support scheduled conferences
- Speech recognition support in AGI
- Resampling support for various audio sampling rates, so narrowband (8KHz) and wideband (16KHz) channels can be connected

- Integrated, templatedriven
- phone provisioning module for any phone that can be provisioned over HTTP or HTTPS
- Realtime support for Web services, through the use of CURL to perform lookups and post data
- Realtime support for LDAP databases
- Support for use of LUA as a dialplan language