Asterisk RealTime Extensions

This has got to be the coolest addition I've seen to RealTime. Big kudos to Mark on this.

Extconfig.conf Setup

Add the following line, swapping your own personal values if you wish:

```
extensions => mysql,asterisk,extensions_table
```

You can change mysql to odbc if you want to use odbc.

You can change asterisk to be the name of your database.

You can change extensions_table to be the name of the extensions table we will create below.

Extensions.conf Setup

The way RealTime Extensions work is through a switch statement in the dialplan. Here is an example of my context:

```
[test]
;
; switch => Realtime/[context]@[family]/[options]
; If context is not given, current context is default
; If family is not given, family of 'extensions' is default
;
switch => Realtime/mycontext@realtime_ext
```

This tells Asterisk that any call into the 'test' context are to be switched to RealTime using the context "mycontext" and the family name "realtime_ext".
context is optional: (switch => Realtime/@realtime_ext) and if left off, RealTime will use the current context, in this case "test".

family is also optional: (switch => Realtime/@) and if left off, RealTime will use the family name "extensions".

Currently there are no supported options so you can leave it off.

The family name above can be anything you wish. Just be sure it matches the family name you have stored in extconfig.conf: ( realtime_ext => mysql,asterisk,extensions_table )

And YES! You can have multiple switches and multiple family names using this method.

Database Table
Now lets create the table we need:

NOTE: You can use any table name you wish, just make sure the table name matches what you have the above family name bound to.

```
# Table structure for table `extensions_table`
#

CREATE TABLE `extensions_table` (  `id` int(11) NOT NULL auto_increment,  `context` varchar(20) NOT NULL default '',  `exten` varchar(20) NOT NULL default '',  `priority` tinyint(4) NOT NULL default '0',  `app` varchar(20) NOT NULL default '',  `appdata` varchar(128) NOT NULL default '', PRIMARY KEY ( `context`, `exten`, `priority` ),
```

Matthen Boehm writes:

Here are some "complicated" extensions that work in my RealTime extensions:

```
INSERT INTO `extensions` (`id`, `context`, `exten`, `priority`, `app`, `appdata`
VALUES (5, 'cytel', '8322008630', '1', 'Dial', 'SIP/3044,30');

INSERT INTO `extensions` (`id`, `context`, `exten`, `priority`, `app`, `appdata`
VALUES (7, 'cytel', '80', '1', 'Voicemailmain', '@cytel');

INSERT INTO `extensions` (`id`, `context`, `exten`, `priority`, `app`, `appdata`
VALUES (8, 'cytel', '_832.', '1', 'Dial', 'SIP/${EXTEN}@66.88.74.85|30');
```

VALUES (9, 'cytel', '_9X.', '1', 'Dial', 'IAX2/devasterisk:asterisk@asterisk-alpha/${EXTEN}@cytel-internal');

INSERT INTO `extensions` (`id`, `context`, `exten`, `priority`, `app`, `appdata`) VALUES (10, 'cytel', '3013', '1', 'Dial', 'SIP/3013|30');

INSERT INTO `extensions` (`id`, `context`, `exten`, `priority`, `app`, `appdata`) VALUES (11, 'cytel', '_3XXX', '1', 'Dial', 'IAX2/devasterisk:asterisk@asterisk-alpha/${EXTEN}@cytel-internal');

Testing

Now place a call into the [test] context. Asterisk should query the associated database/table for the number you dialed.

So if you dial 5745558896, you should Wait(2), then hear Allison saying the numbers "one zero two".

If you dial 2815551212 you would hear Allison saying "I'm sorry. That's not a valid extension"

The 'i' and 's' extensions are currently not supported. The 't' extension is supported.

Edit: Latest CVS will accept 'i' and 's' / rowitech

Note on using Goto and GotoIf in the extensions table (and DIAL!)

When using a Goto or GotoIf or Dial command you may only use '|' in the app_data field of the command and not ','. For example, the app_data field must take the form of context|s|1 and not context,s,1. Or if using dial, it should be SIP/user|60|Tt, not SIP/user,60,Tt.

Cheers,

Matthew... and now Phil too.
UPDATE

inserting extensions using id values in the examples doesn't make any real sense on an autoincrement primary key field

INSERT INTO `extensions_table` VALUES (1, 'mycontext', '_574555XXXX', 1, 'Wait', '2');

would be better inserted as:

INSERT INTO `extensions_table` VALUES (NULL, 'mycontext', '_574555XXXX', 1, 'Wait', '2'); etc

Cheers