给 asterisk 写 app 供 CLI 调用

版本: 1.0.0 作者: Mike E-mail: Mike Zhang@live.com 环境: CentOS6.2 + Asterisk 1.8.7.1 一、添加源文件 复制 app verbose.c 为 app testApp.c 复制 app verbose.exports 为 app testApp.exports 主要是修改一些标识,编译不会出错就行,这里列出我进行的主要修改。 1、添加头文件 #include "asterisk/cli.h" 2、修改变量 static char *app_testApp = "testApp"; static char *app testApplog = "testAppLog"; 3、在load module中进行注册 res |= ast register application xml(app testApp, testApp exec); 4、添加功能函数 static int testApp exec(struct ast channel *chan, const char *data) { ast verb(2,"testApp exec : %s\r\n",data); return 0; } 5、添加 cli 调用接口 注册 command: e->command = "testApp {print}"; 调用 command: if (!strcasecmp(a->argv[1], "print")) { testApp exec(chan, a->argv[2]); } 6、在unload module中进行反注册 res = ast unregister application(app testApp); 二、编译并安装 asterisk -rx "core stop now" && make && make install && asterisk && asterisk -rvvvvvvvvvvvvv 三、测试 输入: core show help testApp 会输出帮助文档 输入: core show help testApp "something to test!"

```
host142*CLI> core show help testApp
testApp {print} Execute a testApp command
host142*CLI> testApp print "this is a test!Haha!"
== testApp_exec : this is a test!Haha!
host142*CLI>
```

```
附源码:
app testApp.exports 内容为:
      local:
};
修改如下:
app_testApp.c 内容:
/*Test application : Add by Mike*/
#include "asterisk.h"
ASTERISK FILE VERSION( FILE , "$Revision: 328209 $")
#include "asterisk/module.h"
#include "asterisk/app.h"
#include "asterisk/channel.h"
#include "asterisk/cli.h"
static char *app_testApp = "testApp";
static char *app testApplog = "testAppLog";
static int testApp exec(struct ast channel *chan, const char *data)
      ast verb(2,"testApp exec : %s\r\n",data);
      return 0;
}
static int log exec(struct ast channel *chan, const char *data)
      ast_verb(2,"testApp Module : log_exec!\r\n");
      return 0;
}
static char *handle cli testApp(struct ast cli entry *e, int cmd, struct
ast cli args *a)
      struct ast channel *chan;
```

```
if(CLI INIT == cmd) {
             e->command = "testApp {print}";
             e->usage =
                    "Usage: testApp <print> <something2print>\n"
                           Print something to test application\n"
                            application when the 'print' command is used.\n";
             return NULL;
       }
      if (a->argc < 2)
             return CLI SHOWUSAGE;
      if (!strcasecmp(a->argv[1], "print")) {
             testApp exec(chan, a->argv[2]);
       }else{
             return CLI SHOWUSAGE;
      return CLI SUCCESS;
}
static struct ast cli entry cli testApp[] = {
      AST_CLI_DEFINE(handle_cli_testApp, "Execute a testApp command")
};
static int unload module (void)
      int res;
      ast cli unregister multiple(cli testApp, ARRAY LEN(cli testApp));
      res = ast unregister application(app testApp);
      res |= ast unregister application(app testApplog);
      return res;
static int load module(void)
      int res;
      ast cli register multiple(cli testApp, ARRAY LEN(cli testApp));
      res = ast register application xml(app testApplog, log exec);
      res |= ast_register_application_xml(app_testApp, testApp_exec);
      return res;
}
AST MODULE INFO STANDARD (ASTERISK GPL KEY, "testApp by Mike");
```