

102 % of everything is crap



- The task: tool to query and update “on call” phone number in Asterisk PABX
- Asterisk has an API.  
**AWESOME**
- There's a CPAN module.  
**DOUBLE AWESOME**



*Alain-queen*

# The API

*“A simple "key: value" line-based protocol. Lines are terminated using CR/LF. We use the term "packet" to describe a set of "key: value" lines that are terminated by an extra CR/LF.”*

*“Generally the client sends Action packets to the Asterisk server, the server performs the requested operation and returns the result in a Response packet.”*

# The Perl module

## NAME

Asterisk::Manager - Asterisk Manager Interface

## SYNOPSIS

```
use Asterisk::Manager;

my $astman = new Asterisk::Manager;

$astman->user('username');

$astman->secret('test');

$astman->host('localhost');

$astman->connect || die "Could not connect to " . $astman->host . "\n";

$astman->disconnect;
```

## DESCRIPTION

This module provides a simple interface to the asterisk manager interface.

# DBGet

## Asterisk Manager API Action DBGet

Action: DBGet  
Family: <family>  
Key: <Key>

Returns:

Response: Error  
Message: Database entry not found

or

Response: Success  
Message: Result will follow

Event: DBGetResponse  
Family: <family>  
Key: <key>  
Val: <value>



# CopyPasta

## Example in Perl (verified in asterisk 1.4.22)

```
use Asterisk::Manager;
my $astman = new Asterisk::Manager;
$astman->user('<username>');
$astman->secret('<password>');
$astman->host('<host>');
$astman->connect || die $astman->error . "\n";

$astman->sendcommand(Action => 'DBGet', Family => '<family>', Key => '<key>');
my @result = $astman->sendcommand(Event => 'DBGetResponse');
$astman->disconnect;

my $value = $result[7]; -> Value 7 is the returned Value
```



# Count the fails

```
Event: DBGetResponse  
Family: <family>  
Key: <key>  
Val: <value>
```

```
$astman->sendcommand(Action => 'DBGet', Family => '<family>', Key => '<key>');  
my @result = $astman->sendcommand(Event => 'DBGetResponse');  
$astman->disconnect;
```

```
my $value = $result[7]; -> Value 7 is the returned Value
```

But it **WORKS**