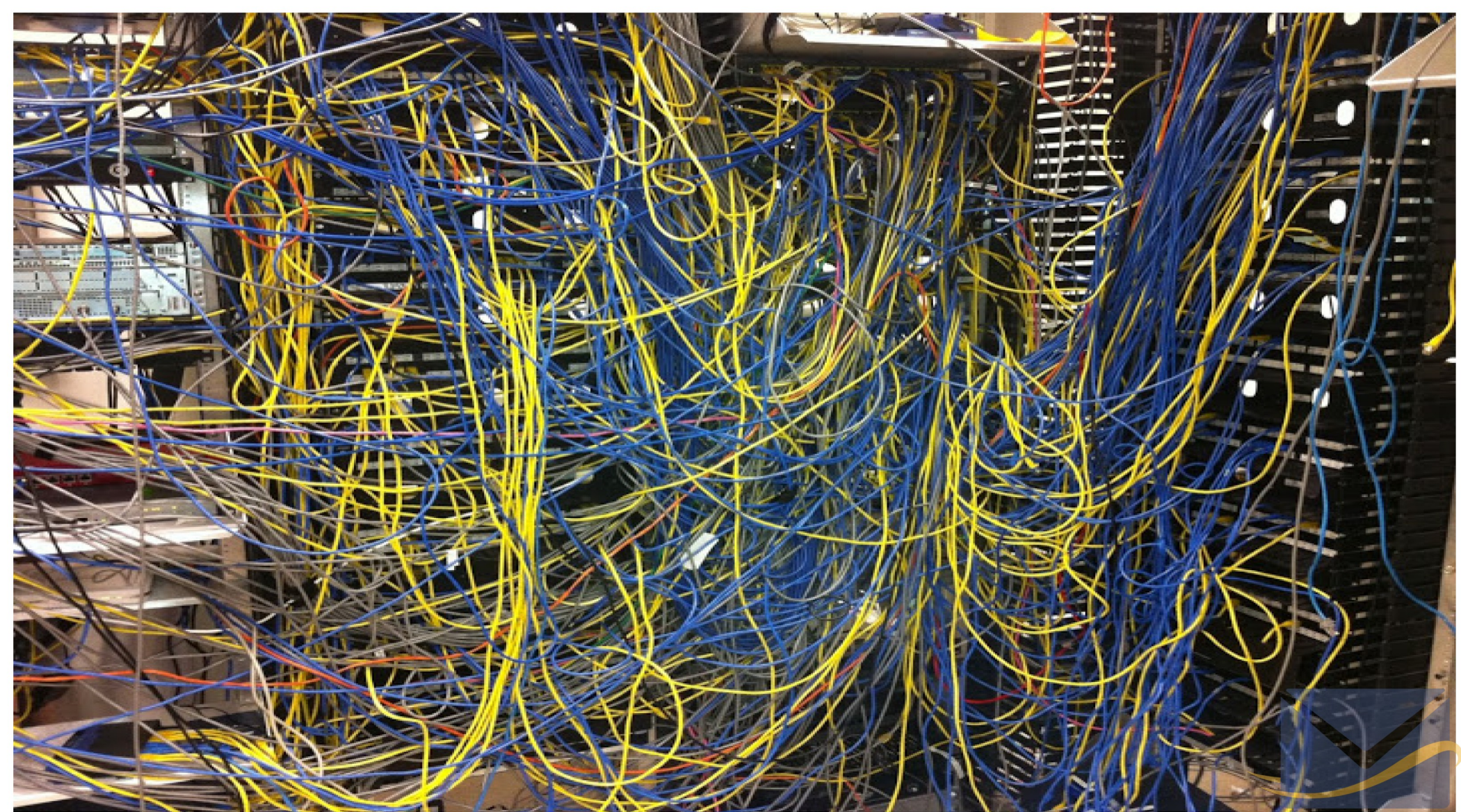


102% of Everything is Crap

Bron Gondwana

brong@fastmail.fm







Update “on call” number in Asterisk

Asterisk has an API.

AWESOME

There's a CPAN module.

DOUBLE AWESOME





plain-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.



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

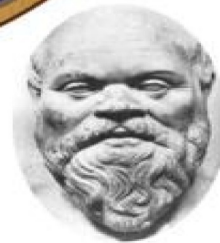
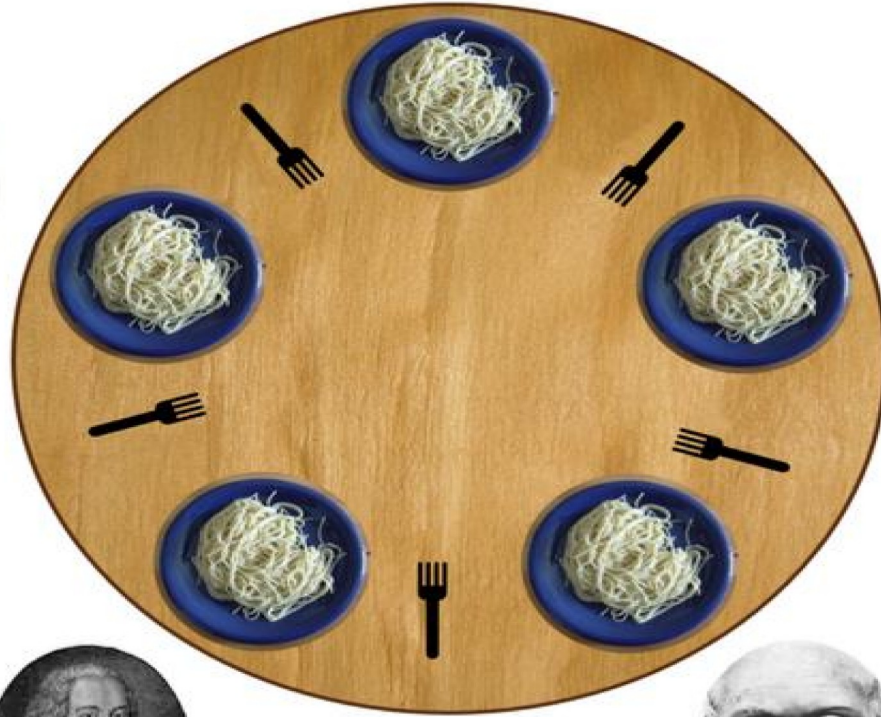
Family: <family>

Key: <key>

Val: <value>







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
```



API Abuse

```
$astman->sendcommand(Action => 'DBGet',  
                    Family => '<family>',  
                    Key => '<key>');
```

```
my @result = $astman->sendcommand(  
            Event => 'DBGetResponse');
```



Counting time

```
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
```



Counting time

```
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



102%



102%





<http://jmap.io/>



FIN

