

```

.d8888b.
d88P  Y88b
Y88b.
"Y888b.  .d88b.  888d888 888 888  .d88b.  888d888 888 888d888 888  .d88888
"Y88b. d8P  Y8b 888P" 888 888 d8P  Y8b 888P" 888 88888 888P" 888 d88" 888
"888 888888888 888 Y88 88P 888888888 888 888 888 888 888 888 888
Y88b d88P Y8b. 888 Y8bd8P Y8b. 888 Y88b d88P 888 888 Y88b 888
"Y8888P" "Y8888 888 Y88P "Y8888 888 "Y8888P88 888 888 "Y88888

```

Remote Server Statistics and Reporting mechanism

## System Overview



# Client / Server

The system is split into two parts :-

- 1) The Client control & overview site
- 2) The Server collection mechanism



# Client

The client site accepts information from your server and stores it for reference and statistical analysis.

It displays information in a web browser



# Server

Each of your own servers acts as a server node, providing information to the receiving client application.

Code to run on your servers is generated by the client web application.



# Method

Add a new server with: My Grid > Add Server

The screenshot shows the ServerGrid monitoring system dashboard. At the top, there is a navigation bar with 'ServerGrid', 'My Grid', and 'Dashboard' links, and a user status 'Logged in as rick'. Below the navigation bar, the main content area is divided into three sections: 'ServerGrid', 'My Servers', and 'Alerts'. The 'ServerGrid' section contains a welcome message and instructions. The 'My Servers' section displays a table of server settings for a server named 'MuleDev'. The 'Alerts' section shows a warning alert about a server not responding. At the bottom of the dashboard, there is a large 'ServerGrid' logo.

ServerGrid My Grid Dashboard Logged in as rick

Home /

## ServerGrid

Welcome online to ServerGrid monitoring system, rick.

Add your servers to your grid, then copy the generated file to your system. Using the cron job ServerGrid creates for you to add monitoring to your systems. It's as simple as that - no mess, no fuss, no additional user accounts, no worries!

## My Servers

MuleDev
<b>Server Settings</b>
IDENT: 6fac45d839ff93dc1e2bb042da33707b
OS: Linux
DateCreated: 2013-05-20 15:19:43
Free Memory: 105576 kB
Load Average: 0.00 0.01 0.05 1/176 12267
<a href="#">View</a>

## Alerts

Latest system alerts

**Alert!** Warning! Server [SERVERNAME] not responding. [View details](#)

ServerGrid built by PizzaBoxSoftware

# ServerGrid



# Method

Generate your server code: MyGrid > Get Scripts

The screenshot shows the ServerGrid website interface. At the top, there is a navigation bar with 'ServerGrid', 'My Grid', and 'Dashboard' links, and a user status 'Logged in as rick'. Below the navigation bar is a breadcrumb trail 'Home / MyGrid / Get Scripts'. The main content area features the ServerGrid logo and two columns. The left column has sections for 'Server Code', 'Create server file' (with instructions on how to use the generated code), 'Debugging' (explaining the response file), and 'Requirements' (listing PHP5 and other dependencies). The right column is titled 'Generate Code' and contains a 'Select Server' dropdown menu with 'MuleDev' selected, a 'Frequency' dropdown menu with 'Every Minute' selected, and a green 'Create My Code' button. A large, stylized 'ServerGrid' logo is overlaid at the bottom of the page.

ServerGrid My Grid Dashboard Logged in as rick

Home / MyGrid / Get Scripts

**ServerGrid**

## Server Code

### Create server file

Select the server you want to create your code file for. Once your file has been generated, copy the PHP code and paste it into a new file on your linux box called "serverGrid.php". Next, copy the cron job script and paste it into your crontab file (accessed usually by issuing the `crontab -e` command).

### Debugging

When your script runs, a file called "serverGridResponse.txt" will be created with a response code that can be used to debug connections if your information does not appear in the ServerGrid system after a couple of minutes.

### Requirements

PHP5 and MySQL need to be installed on your server in order for the service to run on your machine.

If you're using Ubuntu, run:  
`sudo apt-get install php5 mysql`

## Generate Code

Select Server

MuleDev

Frequency

Every Minute

Create My Code

# ServerGrid

# Method

Copy your PHP code to your server, use the cron script for your crontab



The screenshot shows the ServerGrid website interface. At the top, there's a navigation bar with 'ServerGrid', 'My Grid', and 'Dashboard'. A user is logged in as 'rick'. The main content area is titled 'Home / MyGrid / Get Scripts'. Below this is the 'ServerGrid' logo. The 'Server Code' section is active, showing instructions on how to create a server file and a debugging section. A large, stylized 'ServerGrid' logo is overlaid at the bottom. The right side of the page displays a PHP script named 'serverGrid.php'.

## Server Code

### Create server file

Select the server you want to create your code file for. Once your file has been generated, copy the PHP code and paste it into a new file on your linux box called "serverGrid.php". Next, copy the cron job script and paste it into your crontab file (accessed usually by issuing the `crontab -e` command).

### Debugging

When your script runs, a file called "serverGridResponse.txt" will be created with a response code that can be used to debug connections. If your information does not appear in the ServerGrid system after a couple of minutes.

### Requirements

PS-CURL need to be installed on your server in order for it to run on your machine.

You can run :

```
crontab -e
```

## serverGrid.php

```
<?php
/*
 * Filename: serverGrid.php
 * Description:
 * ServerGrid
 * Developed by PizzaBoxSoftware.co.uk
 * Non-invasive data capture file v1.0.1
 */
$myIdent = "6fac45d839ff93dc1e2bb042da33707b";
$serverid = "1";
$userid = "2";
$memfree = shell_exec('cat /proc/meminfo |grep MemFree');
$hostname = shell_exec('cat /etc/hostname');
$version = shell_exec('cat /proc/version');
$uptime = shell_exec('cat /proc/uptime');
$loadavg = shell_exec('cat /proc/loadavg');
$url = 'http://172.16.3.57/api/updateMyGrid/';
$fields = array(
    'memfree' => urlencode($memfree),
    'hostname' => urlencode($hostname),
    'version' => urlencode($version),
    'uptime' => urlencode($uptime),
    'loadavg' => urlencode($loadavg),
    'url' => urlencode($url)
);
```

# Dashboard

