

.d8888b.								.d8888b.		d8b	888			
d88P	Y88b							d88P	Y88b	Y8P	888			
Y88b.								888	888		888			
"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's a navigation bar with 'ServerGrid', 'My Grid', and 'Dashboard' links, and a user status 'Logged in as sysadmin'. Below the navigation bar is a breadcrumb 'Home /'. The main content area is divided into three columns. The left column, titled 'ServerGrid', contains a welcome message and a blue box stating 'This system is currently in beta release format.' The middle column, titled 'My Servers', shows a list of servers. The first server, 'Front-End-Dev', is expanded to show its settings: IDENT: 94d04e081aa88c7f0808c29c2f05ee60, OS: Fedora, DateCreated: 2013-05-23 15:02:49, Free Memory: No Value Yet, and Load Average: No Value Yet. A 'View' button is present. The second server, 'muledev', is partially visible. The right column, titled 'Alerts', shows a warning for the 'Front-End-Dev' server: 'Warning! I haven't seen this server in the past 24 hours!'. At the bottom, there's a footer with 'ServerGrid built by PizzaBoxSoftware' and a large, stylized 'ServerGrid' logo with a server rack icon.

ServerGrid My Grid Dashboard Logged in as sysadmin

Home /

## ServerGrid

Welcome online to ServerGrid monitoring system, sysadmin.

This system is currently in beta release format.

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

### Front-End-Dev

#### Server Settings

IDENT: 94d04e081aa88c7f0808c29c2f05ee60  
OS: Fedora  
DateCreated: 2013-05-23 15:02:49  
Free Memory: No Value Yet  
Load Average: No Value Yet

View

### muledev

## Alerts

Latest system alerts

**"Front-End-Dev" server**  
Warning! I haven't seen this server in the past 24 hours!

ServerGrid built by PizzaBoxSoftware

# ServerGrid

# Method

Generate your server code: MyGrid > Get Scripts

ServerGrid

My Grid ▾

Dashboard

Logged in as sysadmin ▾

Home / MyGrid / Get Scripts



## 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 PHP5-CURL need to be installed on your server in order for the server script to run on your machine.

If you're on a Debian/Ubuntu system you can run :

```
sudo apt-get install php5; sudo apt-get install php5-curl
```

## Generate Code

Select Server

muledev ▾

Frequency

Every Minute ▾

Create My Code



# Method

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

ServerGrid

My Grid ▾

Dashboard

Logged in as sysadmin ▾

Home / MyGrid / Get Scripts



## 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 PHP5-CURL need to be installed on your server in order for the server script to run on your machine.

If you're on a Debian/Ubuntu system you can run :  
`sudo apt-get install php5; sudo apt-get install php5-curl`

### serverGrid.php

```
<?php
/*
 * Filename: serverGrid.php
 * Description:
 * ServerGrid
 * Developed by PizzaBoxSoftware.co.uk
 * Non-invasive data capture file v1.0.1
 */
$myIdent = "89cebe13a89fa319e3618b2826882427";
$serverid = "13";
$userid = "3";
$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://172.16.3.210/api/updateMyGrid/';
$fields = array(
    'memfree' => urlencode($memfree),
    'hostname' => urlencode($hostname),
    'version' => urlencode($version),
    'uptime' => urlencode($uptime),
    'loadavg' => urlencode($loadavg),
    'ident' => urlencode($myIdent),
    'serverid' => urlencode($serverid),
```



# ServerGrid



# Dashboard

Home / Dashboard / Overview



## Dashboard

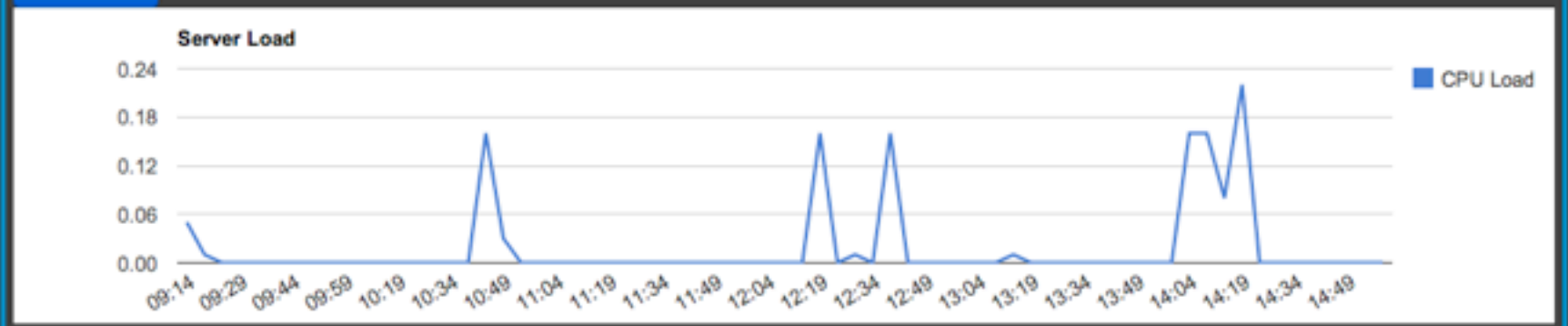
Your general ServerGrid server activity in the last 24 hours is displayed here.

Select a specific server to view more information about the server.

## My Server Grid Stats

muledev

Full Status



ServerGrid built by PizzaBoxSoftware





# Detail View

