

A **SPACE** App



Pi Serve

User Guide

Basics

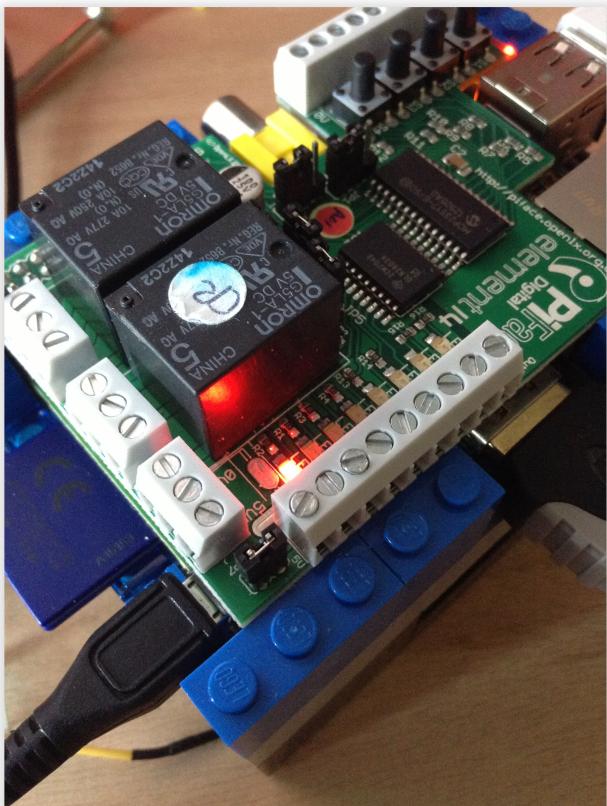


```
pi@raspberrypi ~ $ ruby test.rb
Server Test v1.0.5 Alpha
By Sam Cornwall
Copyright samcspace
-----
server1 is operational
server2 is experiencing Faults
server3 is experiencing Faults
All Servers have been tested !
```

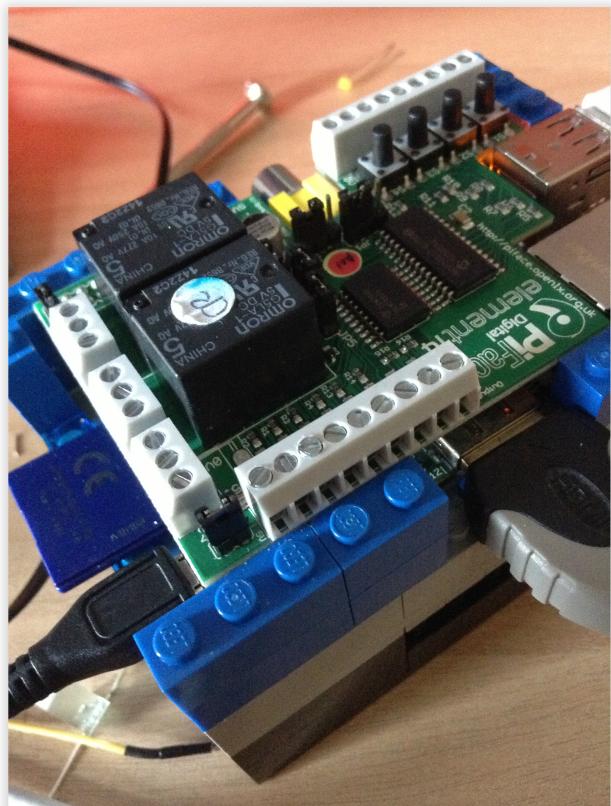
Servers/Websites that are displayed as green are fully operational.

```
pi@raspberrypi ~ $ ruby test.rb
Server Test v1.0.5 Alpha
By Sam Cornwall
Copyright samcspace
-----
server1 is operational
server2 is experiencing Faults
server3 is experiencing Faults
All Servers have been tested !
```

Servers/Websites that are displayed as red are incurring a fault.



The LEDs on the Piface are set to be on when the server/website is fully operational.



When the LED turns off on the Piface this means that the server/website that is assigned to the LED is experiencing a fault.

Code



```
servers = {}  
servers['192.168.254.55'] = :server1  
servers['190.75.176.60'] = :server2  
servers['190.200.51.234'] = :server3
```

```
Piface.write 0,1  
Piface.write 1,1  
Piface.write 2,1  
Piface.write 3,1  
Piface.write 4,1  
Piface.write 5,1  
Piface.write 6,1  
Piface.write 7,1  
sleep 01  
Piface.write 8,1  
Piface.write 0,0  
Piface.write 1,0  
Piface.write 2,0  
Piface.write 3,0  
Piface.write 4,0  
Piface.write 5,0  
Piface.write 6,0  
Piface.write 7,0  
Piface.write 8,0
```

counter = 1

Setting Values

- To set the server/website you want to test; type the web/IP address in the square brackets.
- To give each server/website a name type a title after the colon.

Setting LED Values

- To set a LED value on the Pi face use 0 or 1 as the secondary number. 0 means off and 1 means on.
- To set a time interval between on and off change the number after sleep. 01 means 1 second.

Setting LED Values with Servers

- To set a LED value for a server you have to note that, e.g. server 2, will follow the LED number set by server 1.
- To set this type a number from 0-7 after counter. This will set the LED value for the first server/website.
- Note that if you have 3 servers/websites and set the value to LED 6, the last server will not be represented by a LED as there is no LED 8.

Credit: Richard Smith

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Pi Serve is a **SPACE** App