

## ...keeps your website/emails up and running all year round!

Our **Server Security and Monitoring System (SSMS)** is a comprehensive security, maintenance, and upgrade service freely offered to all customers hosted on our servers. This is one of the many things that differentiate us from others: ***We do not just sell you a hosting space; we give you complete peace of mind!***

Our SSMS is a combination of software and human manpower that is working constantly "behind the scenes" to give you a superior Internet experience. It ensures your website and mails remain undisrupted, while you focus on building your business.



**We keenly secure and monitor  
our web servers;  
to give you peace of mind!**

Our SSMS is an extensive security program that ensures total and complete protection for your online business. Many of the items that our SSMS manages would take precious hours out of your day if you had to deal with them yourself or be very expensive when handed over to an employee or consultant.

### SSMS Consists of 3 Programs.

- ❖ Proactive PortStarter
- ❖ Server Stabilizer
- ❖ Server Updates

All these 3 programs run separately of each other, but work together to give each web hosting account the highest level of security, monitoring, and updates that customers have come to expect when hosting with McReal.

### Key Benefits of our SSMS:

- ✚ Stops hackers and intruders.
- ✚ Our servers (and your website/emails) stay at peak performance.
- ✚ Eliminates the added costs that these problems would incur.
- ✚ Eliminates the need for expensive technical employees.
- ✚ Manages dozens of other issues most of our customers never even know about.

### 1) PROACTIVE PORTSTARTER

Generally, web servers "talk" to the outside world through ports. These ports are the only way in and out of the server.

Our SSMS monitors these ports on all our servers, checking to make sure they are available to you, your site visitors, and any legitimate outside consumer.

This port monitoring is constant. If any port is closed, the Proactive PortStarter follows an algorithm to decide exactly why the port is closed, and automatically takes proactive steps to stabilize the web server and reopen the port.

The following ports are crucial to the operation of your hosting account and are consequently under close and continuous monitoring by the PortStarter.

Port	Service
21	FTP
22	SSH
25	Sendmail
53	DNS/Bind
80	HTTP/Apache
110	POP3
443	HTTPS/Secure Apache
995	SPOP (secure mail POP)
3306	MvSQL

## 2) SERVER STABILIZER

The Server Stabilizer continuously monitors all processes running on our servers and react accordingly, so as to keep the servers running efficiently and securely.

It will find runaway processes, which could potentially "hang" the server, and kill those processes.

It will monitor CPU time, hack attempts are located and killed, and it will find and deactivate scripts that may be harmful to the servers' operations.

## 3) SERVER UPDATES

Nothing keeps a server more stable and secure than keeping the software and Operating System up to date.

As part of our SSMS, our engineers work diligently to assess the stability of new software releases and security patches. After being fully tested and qualified, new software releases and patches are installed on our servers.

The following server software are set to be automatically updated by our system:

- + Apache (Secure and regular)
- + MySQL
- + Perl
- + PHP
- + Sendmail
- + FTP
- + Linux RedHat Operating System
- + Linux RedHat Kernel
- + SSH
- + FrontPage Extensions

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*Our Server Security and Monitoring System guarantees you a superior, robust and most reliable web hosting service.*

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