**Monit – Continuous Integration**

Monit (<https://mmonit.com/monit/>) is a small open source utility used to manage and monitor Unix-based systems. Monit is installed and configured on both the Test/Production Servers, and is mainly used for monitoring the Apache HTTP (web) servers. Monit has been configured to start/restart each Apache server, in situations where a server was not started correctly or the application cannot be accessed. Equally, if the server fails to start five times consecutively, Monit will halt the server process. If this situation did occur, Amazon Web Services (AWS) CloudWatch could allocate additional resources to meet the load demand.

**Monit configuration file for Apache HTTP Servers**

*check process apache*

*with pidfile "/opt/bitnami/apache2/logs/httpd.pid"*

*group apache*

*start program = "/opt/bitnami/apache2/scripts/ctl.sh start" with timeout 90 seconds*

*stop program = "/opt/bitnami/apache2/scripts/ctl.sh stop" with timeout 90 seconds*

*if DOES NOT exist then start*

*if failed port 80 protocol HTTP request "/web/index.html" then restart*

*if 5 restarts within 5 cycles then timeout*

**Monit Output and Evidence**

*: monit daemon with PID 3797 awakened*

*: 'apache' monitor action done*

*: 'apache' process is not running*

*: 'apache' start: /opt/bitnami/apache2/scripts/ctl.sh*

*: 'apache' process is running with pid 3900*

*: monit summary*

*The Monit daemon 5.6 uptime: 8m*

*Process 'apache' Running*

*System 'ip-XXX-XX-X-XX' Running*