

# MON Service Monitor How to guide

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## Overview

Mon can be used to monitor system processes and alert when they fail. The Swivel appliance can use MON to watch the Tomcat process, and even extended to other processes.

## Prerequisites

Swivel Appliance 2.x with Webmin

## Backup the existing Mon Configuration

Before you make any changes, manually backup `/etc/mon/mon.cf` using WinSCP, see [WinSCP How To Guide](#).

## Configuring Mon

Login to Webmin (for more information see [Webmin How To Guide](#), then select System -> MON Service Monitor/Watch Lists and against the required appliance select `tomcat5 (10s)`

Watching group	Services being watched
Primary_IP	tomcat5 (10s)   Add service..
DR_IP	tomcat5 (5m)   Add service..

Under Alert, add a new alert named mail.alert from the drop down with the parameter being the email address you want to send to. Alerts can be defined on different events such as when the service stops or starts. Save the setting when complete.

**Watched service details**

Name of service  Check even

Description

Using monitor  Standard monitor   Other monitor .

Monitor parameters

**Monitoring period 1**

Specified days and hours  Time :: Period string

Days to check  All  Mon - Mon Hours to check  All

Alerts for period

Alert	Run when	Additional parameters
ha.alert	Service goes down	
mail.alert	Service goes down	support@swivelsecure.com
mail.alert	Services comes up	support@swivelsecure.com

Send alert  Every time monitor is run  Every  seconds

Failures before alert  Immediately  After  failures Within time interval

Maximum alerts to send  Unlimited

## Testing

- Stop the monitored service and verify email messages are sent.

## Troubleshooting

At the command line enter monshow --full

Primary Example, mon working with

```
monshow --full

server: localhost
time: Fri Dec 19 12:48:52 2014
state: scheduler running

GROUP      SERVICE    STATUS    LAST      NEXT      ALERTS SUMMARY
R DR_IP    tomcat5    -         68s      00:03:51  none
R Primary_IP tomcat5    -         6s       3s       none
```

Standby Example, mon working Primary and Standby

```
monshow --full

server: localhost
time: Fri Dec 19 12:51:38 2014
state: scheduler running

GROUP      SERVICE    STATUS    LAST      NEXT      ALERTS SUMMARY
R Standby_IP tomcat5    -         7s       2s       none
R Primary_IP tomcat5    -         12s     17s       none
```

Primary Example, mon in failed state:

```
Primary monshow --full

server: localhost
time: Fri Dec 5 15:55:57 2014
state: scheduler running
```

GROUP	SERVICE	STATUS	LAST	NEXT	ALERTS	SUMMARY
R Primary_IP	tomcat5	FAIL	0s	0s	1	
R DR_IP	tomcat5	FAIL	00:03:10	00:001:49	10	

### Standby Example, mon in failed state:

```
Primary monshow --full
```

```
server: localhost  
time Fri Dec 5 15:55:47 2014  
state: scheduler running
```

GROUP	SERVICE	STATUS	LAST	NEXT	ALERTS	SUMMARY
R Standby_IP	tomcat5	FAIL	5s	4s	1	
R Primary_IP	tomcat5	FAIL	2s	27s	1	

## SSL vulnerability updates stop Mon working

This can be resolved by editing the file `/usr/local/tomcat/conf/server.xml` and changing both instances of `'sslProtocols='` or `'sslProtocol='` to be `'sslEnabledProtocols='`, i.e. adding Enabled. Restart Tomcat, check Tomcat is running then use `monshow --full` as above.