

Embedded Event Manager (EEM)

EEM är ett verktyg för att kunna skripta saker direkt i IOS. Skripten kan vara återkommande eller reagera på ex. ett syslogmeddelande.

Exempelkonfiguration

! Specifiering av epost

```
event manager environment email_server 1.1.1.1
event manager environment email_to mottagare@jehrlander.net
event manager environment email_from router@jehrlander.net
```

! Nedan reagerar på ett syslog-meddelande

```
event manager applet RELOAD_MEMFAIL
event syslog pattern "SYS-2-MALLOCFAIL"
action 2.0 reload
action 3.0 cli command "y"
action 4.0 syslog msg "Startar om pga minnesfel"
```

! Nedan sker varje dag klockan 02:30 enligt switchens konfigurerade tid

```
event manager applet RESTART_EVERY_NIGHT
event timer cron cron-entry "0 02:30 * * *"
action 2.0 reload
action 3.0 cli command "y"
action 4.0 syslog msg "Omstart varje natt"
```

! Skicka mail vid syslog

```
event manager applet EMAIL_SYSLOG_CERT_EXPIRY
event syslog pattern "-CERT_EXPIRY_" maxrun 60
action 0005 syslog msg "Certificate expiry warning, sending e-mail to mottagare@jehrlander.net"
action 0010 info type routename
action 0020 mail server "$email_server" to "$email_to" from "$email_from" subject "CERT_EXPIRY_WARNING -
```

```
$_info_routename" body "Cert expiring soon. Check with cmd: show crypto pki timers detail" source-interface Loopback1
```

! Event manager startar om radiomodul i IR1101 om IP SLA ICMP check har misslyckats i 30 minuter

```
ip sla 10
```

```
icmp-echo 192.168.1.1 source-interface Loopback0
```

```
frequency 10
```

```
event manager applet VPN-DOWN-RESET-CELLULAR-MODEM
```

```
event snmp oid 1.3.6.1.4.1.9.9.42.1.2.9.1.6.10 get-type exact entry-op lt entry-val "2" poll-interval 10
```

```
trigger occurs 179 period 1790
```

```
action 10 syslog msg "Ping failed last 30min, restart Cellular modem"
```

```
action 20 cli command "enable"
```

```
action 30 cli command "configure terminal"
```

```
action 40 cli command "service internal"
```

```
action 50 cli command "end"
```

```
action 60 cli command "test cellular 0/1/0 modem-reset"
```

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