

Network Management Card 1 and 2 Config.ini Event Configuration Syntax



Purpose: This document is intended to assist users with deciphering the [EventActionConfig] and [DeviceControlPolicy] configuration sections in the Network Management Card 1 and 2 configuration files. Directions for downloading the config.ini from the Network Management Card can be found in [APC Knowledgebase article ID FA156131](#).

Usage Policy: This document can be used as a reference in reading configurations but please note, it is recommended that the user utilize the web UI or CLI (if available) to configure the settings mentioned below to avoid syntax issues and typos. Once you create one configuration via that method, you can then use the config.ini to copy the configuration to multiple devices.

Event Action Configuration

Information

- Event Severity is **not** configurable
- Located in the [EventActionConfig] section of the config.ini

E##=LL,E[++AAB+CCDEE:++AAB+CCDEE::-+AAB+CCDEE],T[...],P[...]**

Definitions

E : Static "Individual Event Config keyword"

: Event type (2 digits)

****** : Event code (2 digits)

LL : E (event log only) or S (syslog only) or ES (both syslog and event log [order does not matter])

E : Static "Email keyword"

[: Delimiter

+ : Enabled/Disabled indicator, the first one indicates state of Email for this receiver of this event

+ : Enabled/Disabled indicator, the second indicator indicates state of Delay Feature for this receiver of this event

AA : Delay (described in table below)

B : Delay Units (described in table below)

- CC** : Interval (described in table below)
- D** : Interval Units (described in table below)
- EE** : Repeat count (described in table below)
-]** : Delimiter
- T** : Static "Trap keyword"
- P** : Static "Pager keyword"

Notification Table

<u>Notification Parameter</u>	<u>Data</u>
Delay	Minimum delay time is 5 sec (2 digits)
Delay Units	M for minutes, S for seconds (1 char)
Interval	The interval in Interval units between signaling events (2 digits)
Interval Units	M for minutes, S for seconds (1 char)
Repeat count	The number of times the signal is generated,-1 for until cleared (2 digits).

Example

Below is an example of the configuration for temperature alarm event. In this specific configuration, only email recipient 2 and trap receiver 1 have non-default configurations.

Note: The description of the event will still be printed on the line above the event and a section comment will be added to help the user decrypt the values.

```
[IndividualEventNotification]
; EMail1-4,Trap1-4,Page1-4
; Delay(2),DelayUnits(1),Interval(2),IntervalUnits(1),RepeatCount(2)
; Environmental: Temperature Violation.
```

E0309=ES,E[:++10S+02M10::],T[+-10S+02M-1::],P[:::]

Device Control Policy

Information

- Requires AP9631 NMC2 with firmware APP 5.0.3 or higher
- AP9810 Dry Contacts Relay I/O Accessory Dongle
- Located in the [DeviceControlPolicy] section of the config.ini which is only present when the above is true

DCP###[_dd[ss]]=<valid command input>**

Definitions

DCP: Static "Device Control Policy keyword"

##: Event type (2 digits)

****:** Event code (2 digits)

[_]: **Optional** delimiter which precedes device/sensor instance specification

[d]: **Optional** device instance specification, typically used to indicate which UIO port (1 or 2) is being referenced.

[s]: **Optional** sensor instance specification, typically used to indicate which zone (A or B) of Input Contacts on a particular UIO port is being referenced.

<valid command input> : A valid NMC2 CLI command as defined in the user's guide.

Note: For UPS applications, only the following event codes shall be allowed to initiate UPS control commands:

- External EM Critical Input Contact (1-4) event (0x0301, 0x0303, 0x0305, 0x0307)
 - For use with the older, optional external AP9612TH SmartSlot Card
- External EM Warning Input Contact (1-4) event (0x033F, 0x0340, 0x0341, 0x0342)
 - For use with the older, optional external AP9612TH SmartSlot Card
- UIO/AP9810 Integrated EM Input Contact Critical or Warning event (0x031B, 0x0343)

Only the following UPS commands shall be allowed via the Device Control Policy mechanism:

- Turn UPS on
- Turn UPS off
- Turn UPS off gracefully
- Bypass (if bypass is an available control option on the specific model of UPS)
- Self test

All event codes can initiate an output relay command (ex. open/close)

Examples

Located in the [DeviceControlPolicy] section of the config.ini

1. Input Contact 1 (Zone A) warning fault (event code 0x0343) for AP9810 connected to UIO Port 2 - Configured to Turn the UPS on *and* close the Output Relay connected to UIO port 2.

DCP0343_2A=ups -c on, -rc 2 close

2. Input Contact 2 (Zone B) warning fault (event code 0x0343) for AP9810 connected to UIO Port 2 - Configured to initiate no control action (do nothing)

DCP0343_2B=none

3. Maximum temperature violation (event code 0x0327) for T/H Sensor connected to UIO Port 1 - Configured to close the Output Relay on the AP9810 connected to UIO Port 2

DCP0327_1=uiio -rc 2 close

Expected Output Relay Behavior

Output Relays will either **open** or **close** as directed by the Control Policy when an event occurs. The opposite (clearing event) will occur when the event clears. The output relays configured "normal" or "alarmed" state is not considered for this processing.

Device Command Behavior

When an event occurs to cause a device control action to be initiated, the subsequent clearing of that event will not result in any additional control commands.

Other helpful links:

[Network Management Card Mass Configuration Assistance](#)

[Information on Manipulating the Config.ini File](#)