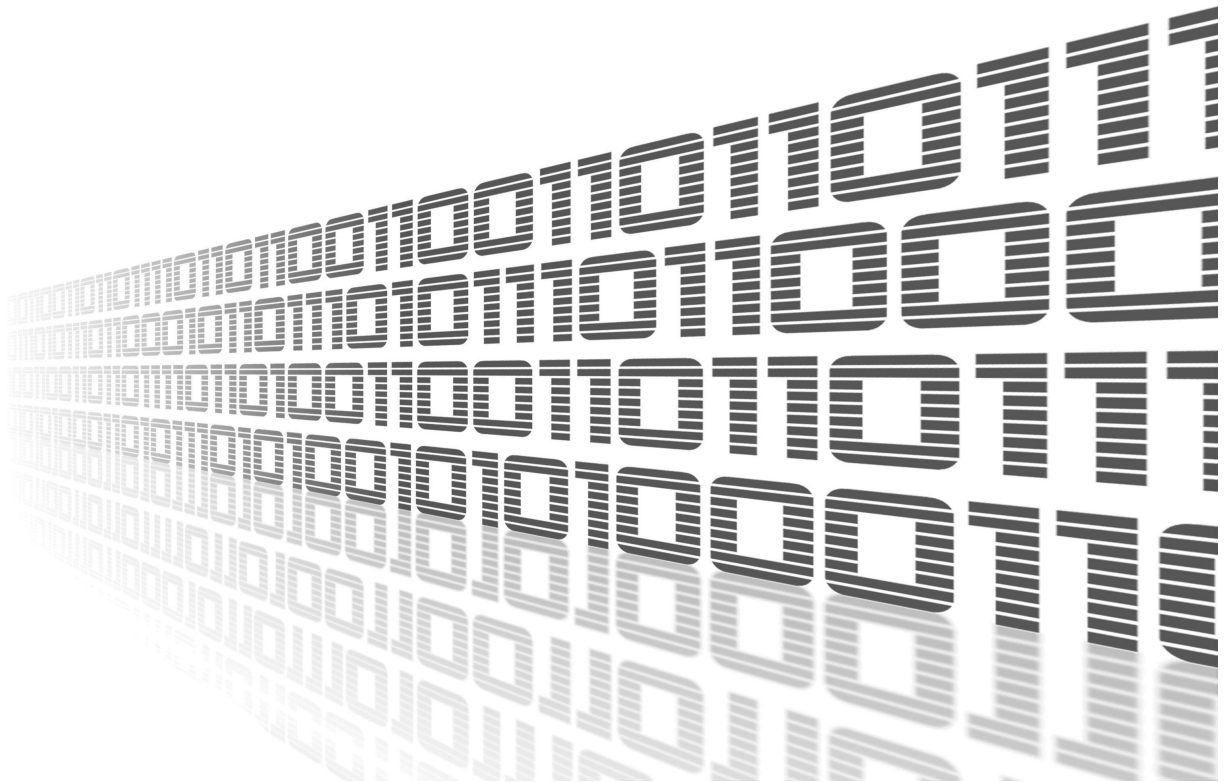




User Module

Event Notificator

APPLICATION NOTE



ADVANTECH

Used symbols



Danger – Information regarding user safety or potential damage to the router.



Attention – Problems that may arise in specific situations.



Information or notice – Useful tips or information of special interest.



Example – Example of function, command or script.



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1. Description of the module



This user module is not installed on *Advantech* routers by default. See *Configuration Manual* for the description how to upload a user module to the router. For more information see the *Configuration manual*, chapter *Customization* → *User Modules*.



The user module is v2, v3 and v4 router platforms compatible.

Router App *Event Notificator* creates a way, how to get e-mail notifications to defined addresses based on selected events.

2. Web Interface

Once the installation of the module is complete, the module's GUI can be invoked by clicking the module name on the User modules page of router's web interface.

Left part of this GUI contains menu with Configuration menu section, Actions menu section and General menu section. General menu section contains only the Return item, which switches back from the module's web page to the router's web configuration pages. The main menu of module's GUI is shown on Figure 2.

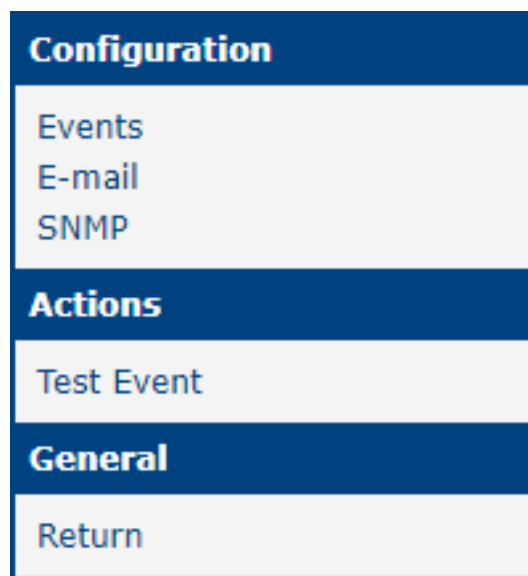


Figure 1: Menu

2.1 Configuration

2.1.1 Events

In the *Events* section you can enable whole module and select which traps will send email notification to which Mail groups. Events itself are self explanatory.

Event Notificator Configuration						
<input checked="checked" type="checkbox"/> Module enabled						
Event	ID	SNMP trap	Mail group 1	Mail group 2	Mail group 3	Mail group 4
Configuration changed	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Password changed	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Login failed	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ethernet cable 0 disconnected	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ethernet cable 1 disconnected	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ethernet cable 2 disconnected	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
System rebooted	7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test event triggered	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="button" value="Apply"/>						

Figure 2: Configuration

2.1.2 E-mail

In the emails section you can fill the data about device to better locate the origin of event and create up to 4 mail groups to which are notification send. Screenshot below is shortened with only 1 mail group just for quick example.

Event Notificator Configuration		
Note: for e-mail notifications to work, SMTP must be configured first – see Configuration -> Services -> SMTP, or the following link: SMTP configuration		
Field:	Contents (max 128 characters each):	Include in subject:
Device name	<input type="text" value="[unnamed device]"/>	always included
Device location	<input type="text"/>	<input type="checkbox"/>
Device admin contact	<input type="text"/>	<input type="checkbox"/>
Device identification in subject: [unnamed device]		
Mail Group 1		
<input type="text"/>		
<input type="text"/>		
<input type="text"/>		
<input type="text"/>		
<input type="text"/>		
<input type="text"/>		
<input type="text"/>		
<input type="button" value="Apply"/>		

Figure 3: Emails

2.1.3 SNMP

In the *SNMP* section is only one item to set and that the *SNMP manager IP address*. Fill your *SNMP manager IP address* and you are ready to go.

Event Notificator Configuration	
Note: traps are sent with an unsigned integer value 1 with OID 1.3.6.1.4.1.30140.3.101.<event_id>.0. See event configuration page for event IDs.	
SNMP manager IP address:	<input type="text"/>
<input type="button" value="Apply"/>	

Figure 4: SNMP

2.2 Actions

2.2.1 Test Event

Here you can trigger the test event. After triggering the test event here, notifications should be sent out through all the channels configured on the previous pages. You can use this to test whether your configuration is correct. Note that you have to both enable the notification method in the Events page, and properly set up details in the *E-mail* page and/or the *SNMP* page first.

Test Event Request
Upon pressing the following button, a test event is triggered, causing notifications to be sent out over the channels configured on the "Events" page.
<input type="button" value="Trigger Test Event"/>

Figure 5: Test event

3. Related Documents

- [1] Advantech Czech: **v2 Routers Configuration Manual** (MAN-0021-EN)
- [2] Advantech Czech: **SmartFlex Configuration Manual** (MAN-0023-EN)
- [3] Advantech Czech: **SmartMotion Configuration Manual** (MAN-0024-EN)
- [4] Advantech Czech: **SmartStart Configuration Manual** (MAN-0022-EN)
- [5] Advantech Czech: **ICR-3200 Configuration Manual** (MAN-0042-EN)



Product-related documents can be obtained on *Engineering Portal* at icr.advantech.cz address.