Events & Alarms

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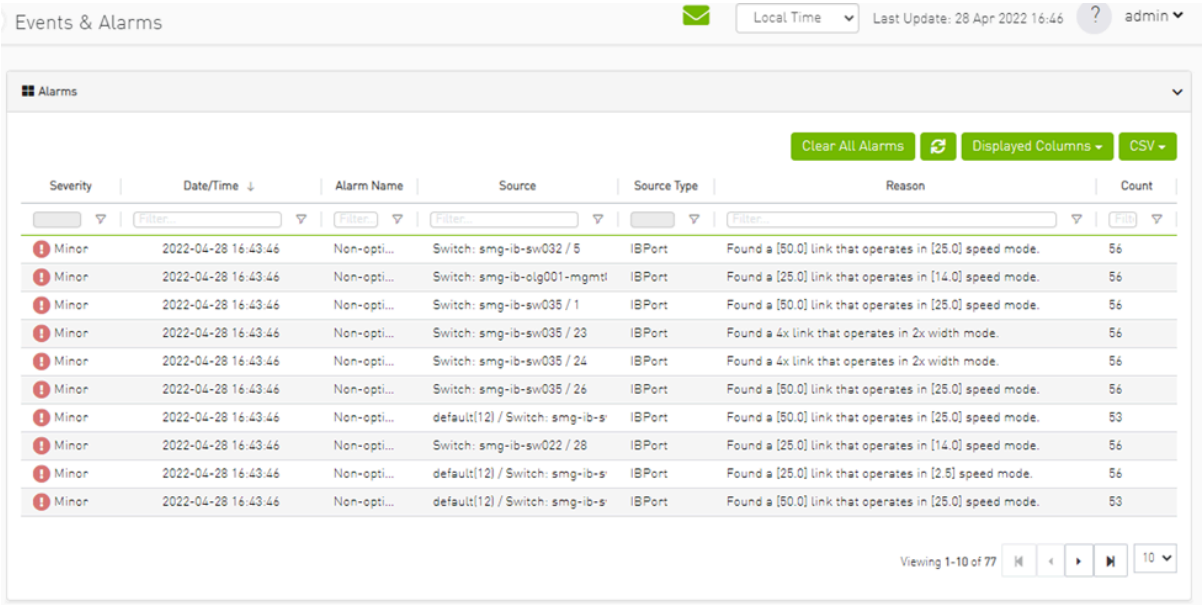
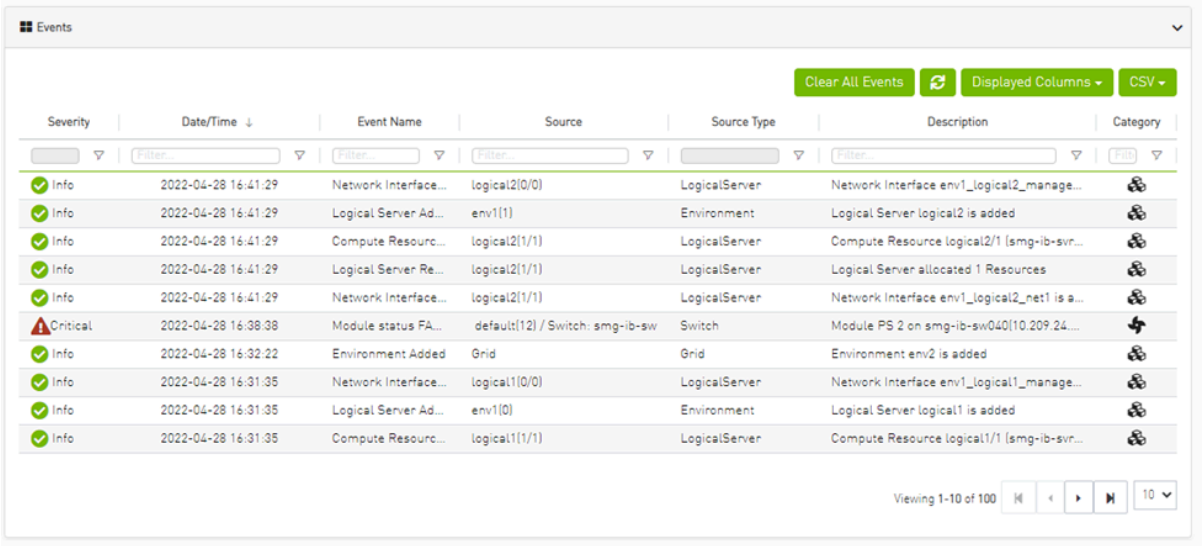
> **Note**
>
> All information in a tabular format in UFM web UI can be exported into a CSV file.

UFM allows you to identify any problem, including ports and device connectivity, using events and alarms. Problems can be detected both before running applications and during standard operation.

Events trigger alarms (except for "normal" events. i.e., Info events) when they exceed a predefined threshold. Events and alarms can be configured under Events Policy tab under Settings window. For more information, refer to Events Policy Tab.





Users can enable the events persistency mechanism from the gv.cfg. This allows the user to see the events in the case of restarting the UFM or in HA mode.

> **Note**
>
> Alternatively you can run the following commands:
>
> - ufm events persistency enable
> - ufm events max-restored

The persistency is deactivated by default and can be enabled by the following controlled parameters in the config file:

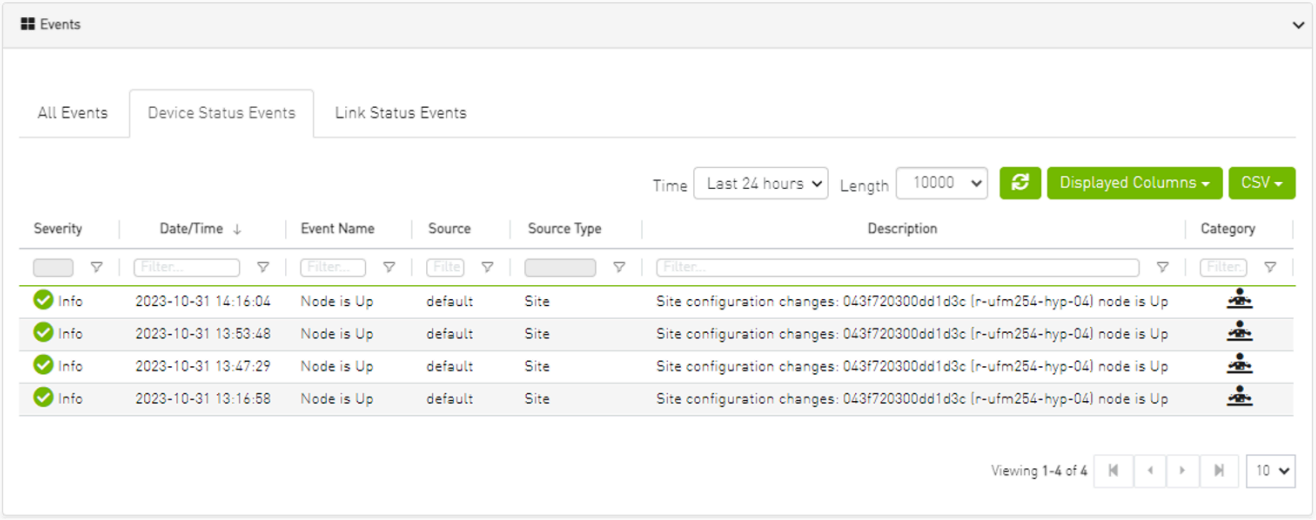
- max_restored_events = 50 # – will determine the number of events to restore
- events_persistency_enabled = true # – will set to true for the feature to work

Device Status Events

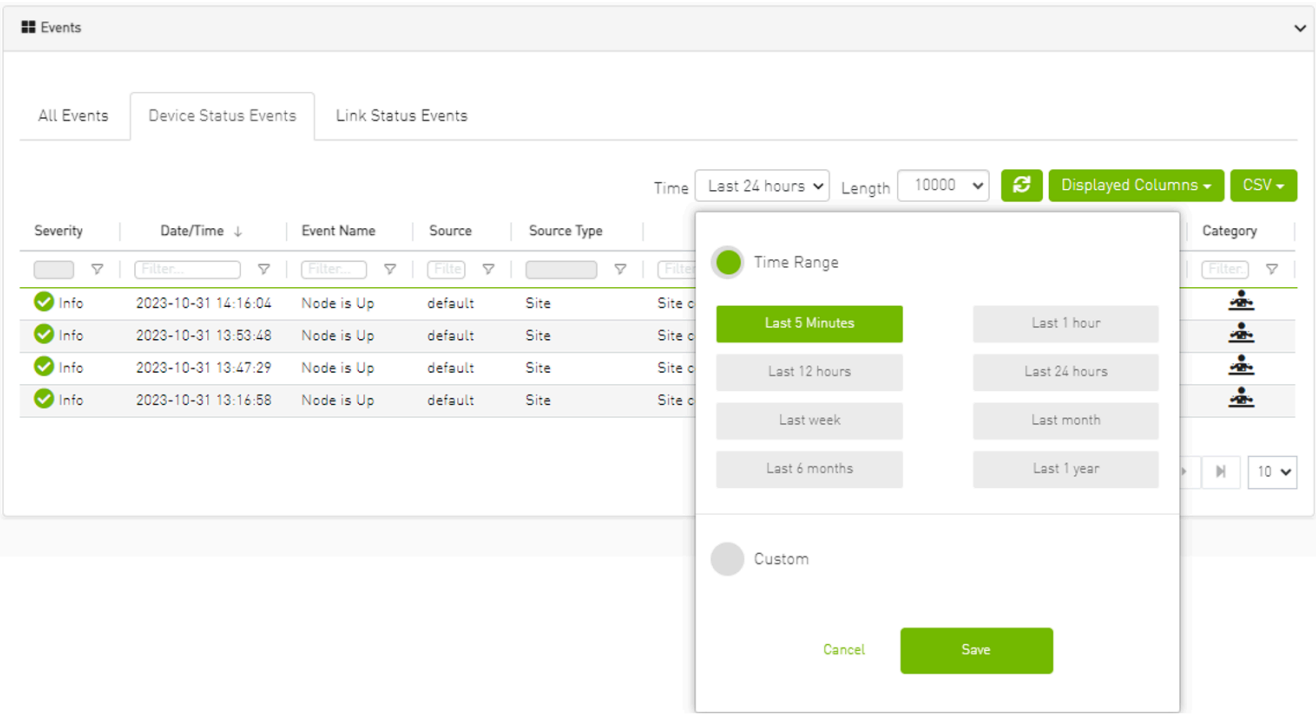
The Device Status Events tab displays topology change events related to devices in a table. it will support the following event types:

- None is Up/Down

- Switch is Up/Down
- Director Switch is Up/Down



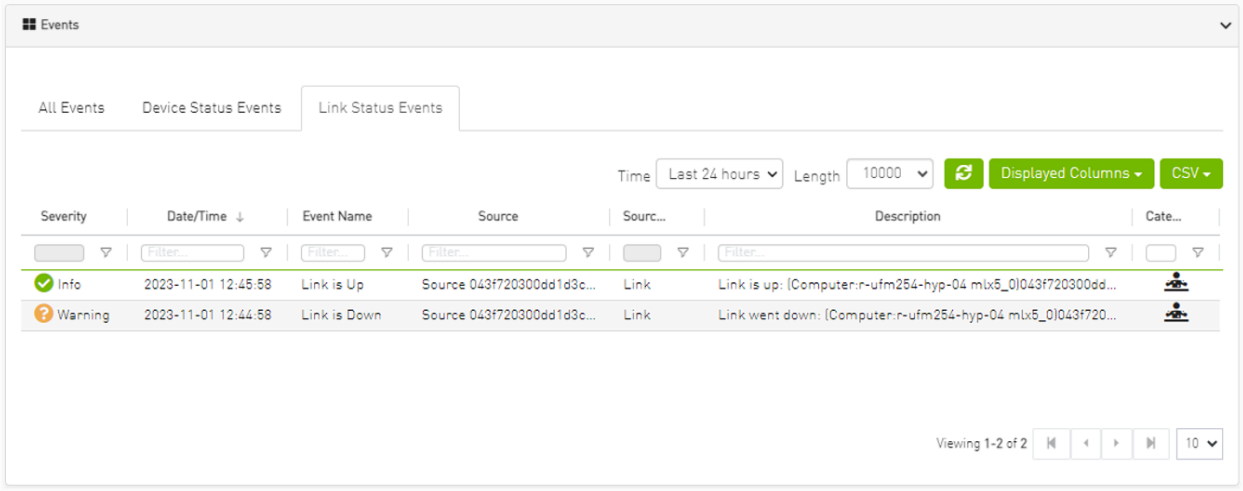
Filters are be provided to allow events filtering by the desired time interval with a length limit.



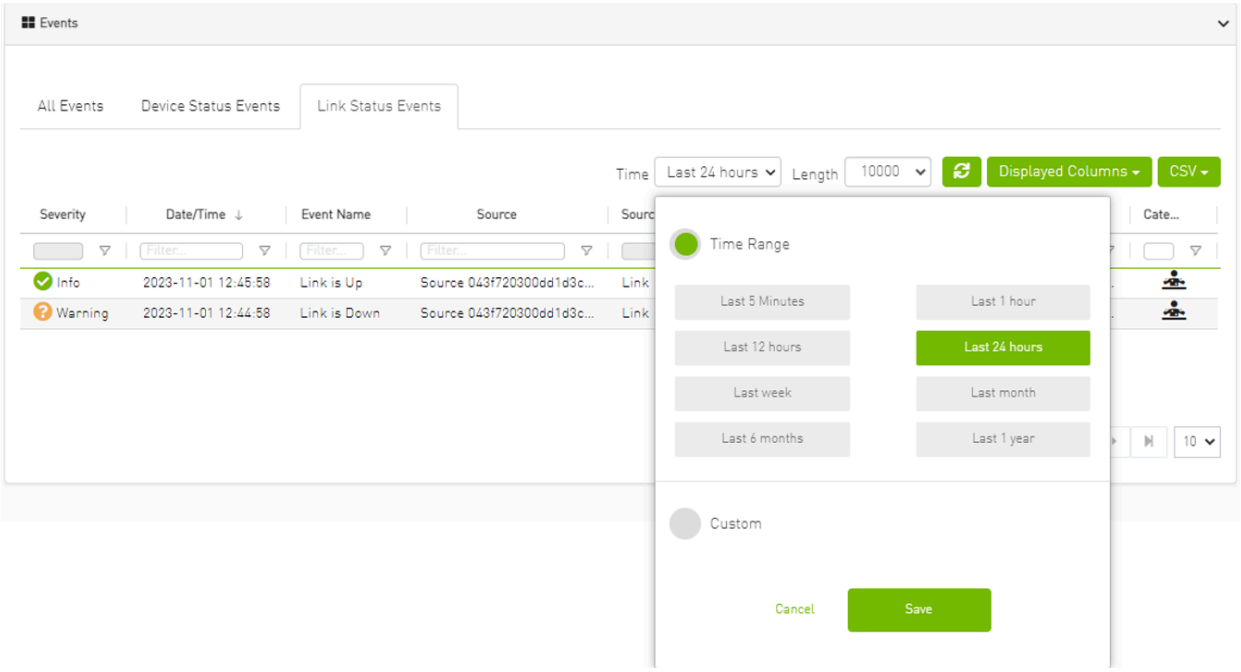
Link Status Events

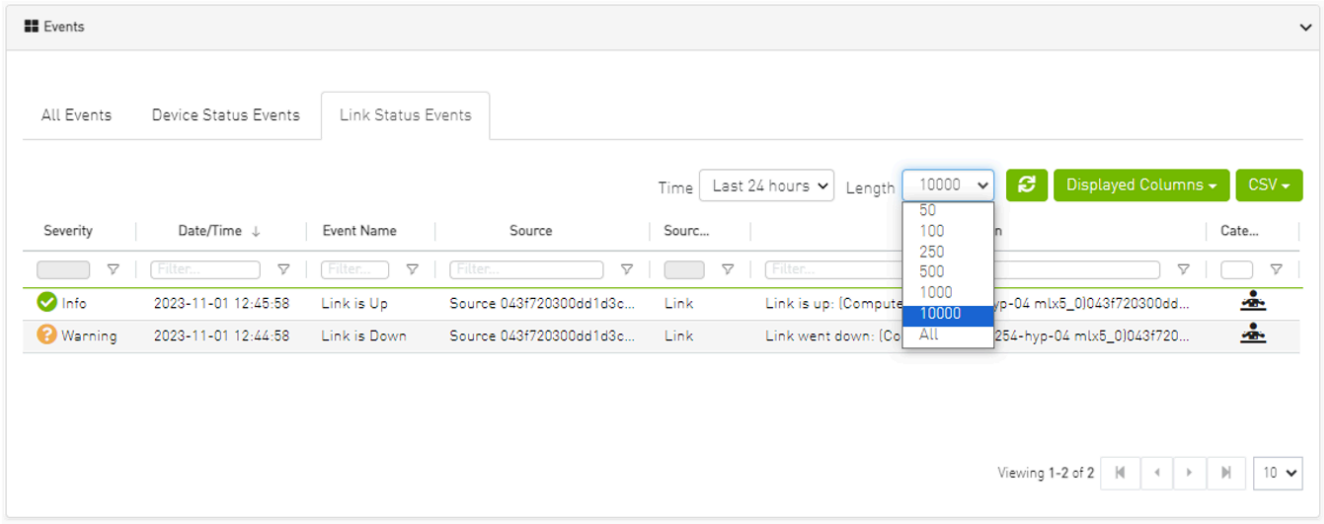
The Link Status Events tab displays topology change events related to links in a table. It supports the following event type:

- Link is Up/Down



Filters are provided to allow filtering by the desired time interval in a time range.





> **Note**
>
> The related switch context menu is displayed only if the event type is 'Switch is Up/Down'. Other event types show the default context menu, which is 'Copy Cell'.

Cable Transceiver Temperatures

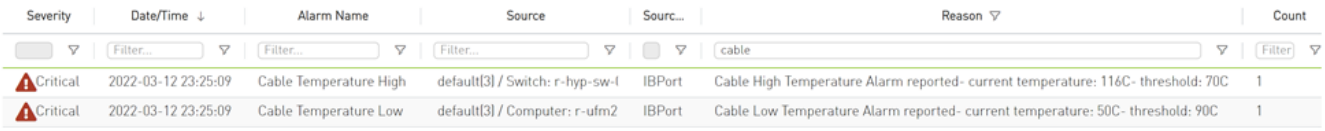
The UFM has alarms that notify the user in cases where an active cable overheats/overcools. The UFM uses ibdiagnet to get cable temperature analysis and report exceptions via the Alarms view.

Related events:

- 919 for high cable temperature
- 920 for low cable temperature

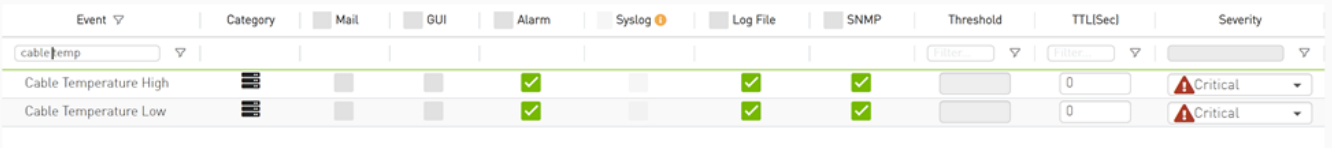
GUI Views

Alarms



Severity	Date/Time	Alarm Name	Source	Sourc...	Reason	Count
	Filter...	Filter...	Filter...		cable	Filter
Critical	2022-03-12 23:25:09	Cable Temperature High	default[3] / Switch: r-hyp-sw-l	IBPort	Cable High Temperature Alarm reported- current temperature: 116C- threshold: 70C	1
Critical	2022-03-12 23:25:09	Cable Temperature Low	default[3] / Computer: r-ufm2	IBPort	Cable Low Temperature Alarm reported- current temperature: 50C- threshold: 90C	1

Event Policy



Event	Category	Mail	GUI	Alarm	Syslog	Log File	SNMP	Threshold	TTL[Sec]	Severity
cable temp								Filter...	Filter...	
Cable Temperature High									0	Critical
Cable Temperature Low									0	Critical