Reports

✅ Successfully pass the free certification exam at IW Academy and become an Infinet Certified Engineer.

To the certification exam

Reports subsystem - provides **InfiMONITOR** users the possibility to analyze the conditions of hosts and links. Reports, presented in graphs and data tables, helps wireless network operators to forecast changes and demands to scale the network.

"Reports" menu has the following sections:

Figure - "Reports" control panel

1. Switch between Links and Hosts graghs.
2. Parameter selection. Links and hosts have different parameters specified below.
3. View:
   - Linear graph.
   - Data table.
4. Time range.

Linear graph

"*Linear graph*" graphs show data for selected hosts and links only. They can be selected in the right sidebar.

⚠️ NOTE

The maximum number of objects displayed on graph **simultaneously**: hosts - **10**, links - **3**.

The hosts can be filtered by the "Product family", links - by the "Link type".

Title

Figure - Hosts and links selection

> ⚠️ **NOTE**
>
> List of selected hosts and links is kept while switching from one graph to another. Use "**Deselect all**" to reset selection.

Graphs can be created per different parameters of hosts and links:

	Parameter
Host	- CPU Load - Memory usage - Board temperature - Firmware - Device status
Link	- TX bitrate, Mbps - TX Power, dBm - RX Load, kbps - RX Load, pps - Link load, % - Current level, dBm - Retries, %

Table - Hosts and links parameters

The graph generates using the following values:

Title

- X-direction - time range.
- Y-direction - parameter value.

Color indication for each line provides better visualization of the linear graphs.

The timestamp is fixed, thus when you select a point on the graph (vertical line), the parameter values for all hosts/links are displayed in the new table:

- top table row - selected time;
- first column - host/link name;
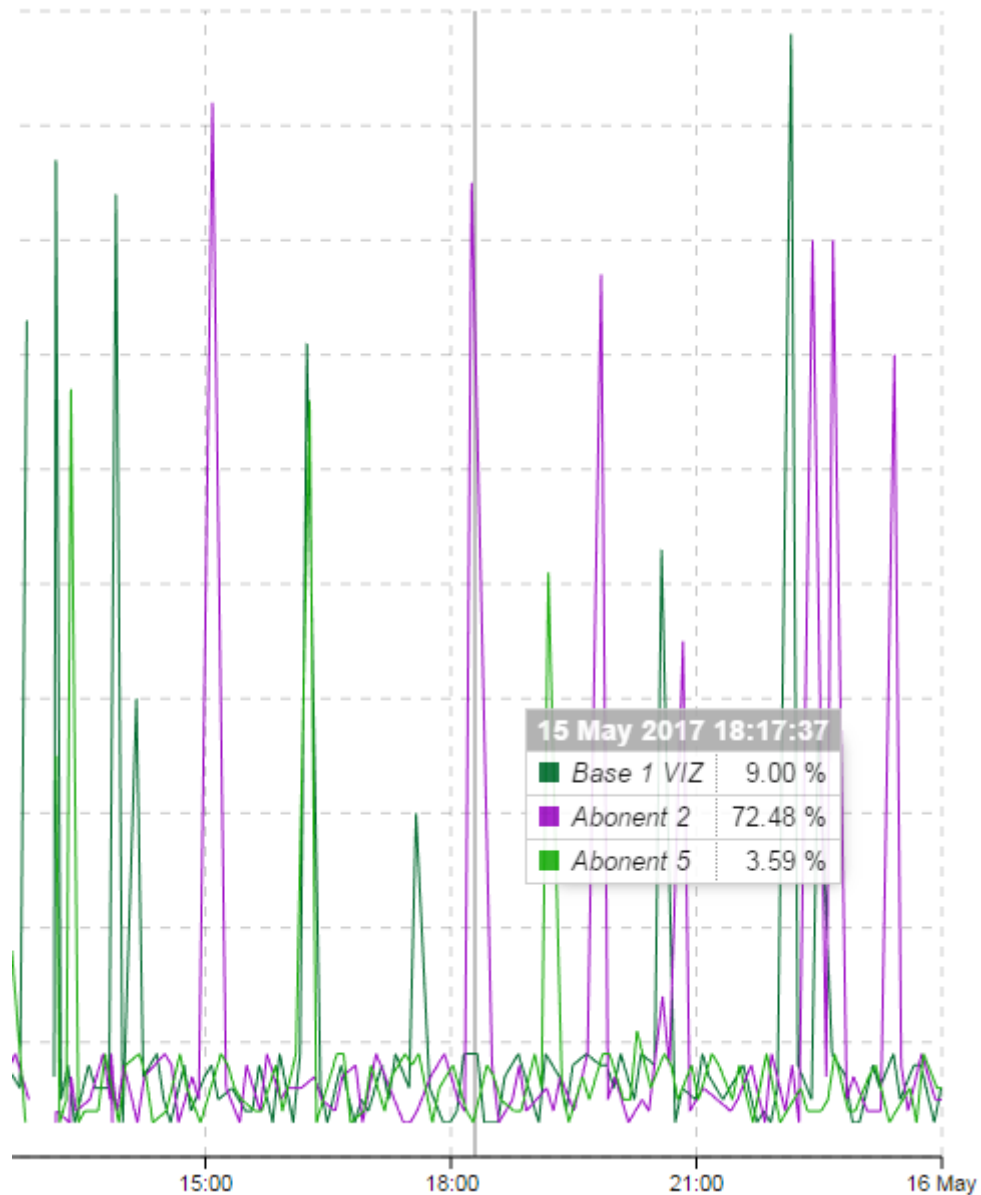- second column - parameter value.

Figure - "CPU Load" graph example

Data table

"*Data table*" generates for all available hosts.

- first column - available hosts list.
- next columns - selected parameter ranges.

The table cell indicates the time when the host parameter had indicated range value.

Title

Figure - Data table example

Time range

The subsystem allows users to select the time range for the graphs generation. The arbitrary or predefined date and time can be selected.

Figure - Arbitrary date and time

Figure - Predefined date and time