

## Reports



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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:

Reports / Graphs



Figure - "Reports" control panel

1. Switch between Links and Hosts graphs.
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".

Select objects to display		
	Host name ^	Produ...
<input type="checkbox"/>	(•) Bashkortostan	<input type="checkbox"/> R5000
<input checked="" type="checkbox"/>	(•) Bodrer of district	<input type="checkbox"/> XG
<input checked="" type="checkbox"/>	(•) Indyshnyaya	XG
<input type="checkbox"/>	(•) Lomovka	XG
<input checked="" type="checkbox"/>	(•) Sharnary	XG
<input type="checkbox"/>	(•) Staroilikovo	XG
<input checked="" type="checkbox"/>	(•) TestDevice-930001	R5000

Select objects to display		
	Link name ^	Link type
<input checked="" type="checkbox"/>	Bashkortostan ⇄ Indyshnyaya	<input type="checkbox"/> MINT
<input checked="" type="checkbox"/>	Bodrer of district ⇄ UT River	<input type="checkbox"/> JOIN
<input type="checkbox"/>	Sharnary ⇄ Lomovka	<input type="checkbox"/> PRF
<input checked="" type="checkbox"/>	Staroilikovo ⇄ Vaskovo	XG
<input type="checkbox"/>	TestDevice-930001 ⇄ TestDevice-930002	MINT
<input type="checkbox"/>	TestDevice-930001 ⇄ TestDevice-930003	MINT
<input type="checkbox"/>	TestDevice-930001 ⇄ TestDevice-930004	MINT

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	<ul style="list-style-type: none"> <li>CPU Load</li> <li>Memory usage</li> <li>Board temperature</li> <li>Firmware</li> <li>Device status</li> </ul>
Link	<ul style="list-style-type: none"> <li>TX bitrate, Mbps</li> <li>TX Power, dBm</li> <li>RX Load, kbps</li> <li>RX Load, pps</li> <li>Link load, %</li> <li>Current level, dBm</li> <li>Retries, %</li> </ul>

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.

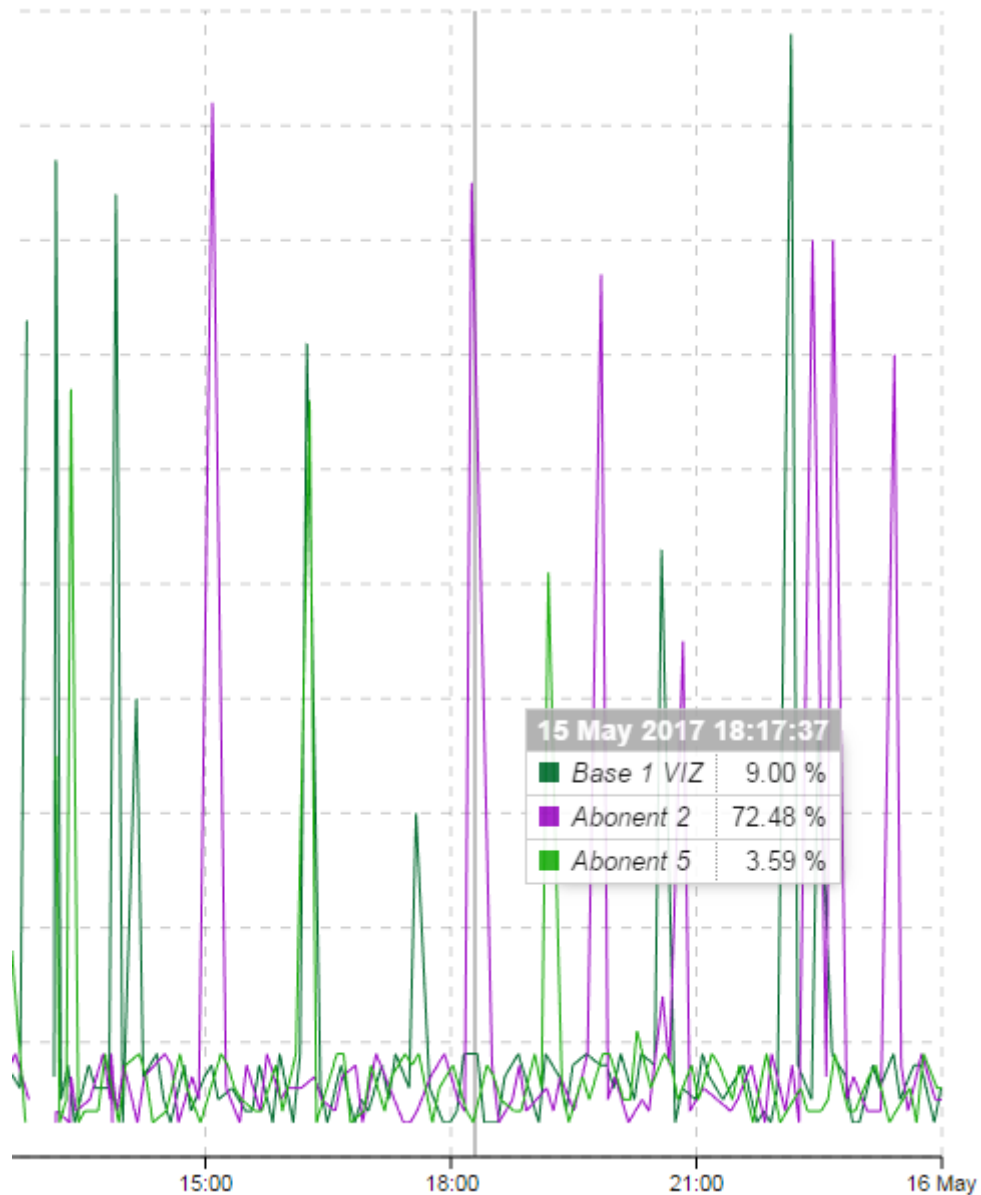


Figure - "CPU Load" graph example

## 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

Links

Hosts

Search devices











	Device name	0%-20%	20%-40%	40%-60%	60%-80%	80%-100%
	Abonent 1	11:26:20	-	-	-	00:05:00
	Base 2	11:16:41	00:15:00	-	-	-
	DK	11:28:51	-	-	-	-
	Base 1 VIZ	10:15:29	00:25:00	00:10:00	00:25:04	00:13:40
	Master 5	10:21:03	-	-	00:05:00	-
	Slave 3	10:06:18	00:05:00	00:05:00	00:10:00	-
	Master 3	09:57:03	00:10:00	00:15:00	00:05:00	00:00:00
	Abonent 4	10:56:25	00:15:04	-	00:10:00	-
	Slave 1 7K	10:22:15	00:05:00	-	00:10:00	-
	Yacht-club	10:59:51	-	00:05:00	00:10:00	00:15:00

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.

Day ☒ Week ☐ Month ☐ Quarter ☐ Year

Figure - Arbitrary date and time

From : 2017 May 15  To : 2017 May 30 

Figure - Predefined date and time