

TAP100 Data to Server

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The information in this page is updated in accordance with firmware version [TAP100_R_00.07.08](#).



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Summary

The **Data to Server** feature provides you with the possibility to set up data senders that collect data from various sources and periodically send it to remote servers.

Data Senders

A **Data Sender** is an instance that gathers and periodically sends collected data to a specified server. The Data Senders list is empty by default so, in order to begin configuration you must add a new data sender first. To add a new data sender, click the 'Add' button.



After this you should be redirected to the newly added data sender's configuration page.

Sender Settings

Refer to the table below for descriptions on data sender configuration fields.

Note: these tables have coloring schemes to indicate which fields can be seen with different configuration.



General

Field	Value	Description
Name	string; default: none	Name of the data sender. Used for easier data senders management purposes only (optional).
Type	Base Lua script MNF info Wifi scanner* ; default: Base	Source of the data to be sent to server.
Format type	Json Custom ; default: Json	Arranges the format of the sent JSON segment.
Format string	string; default: none	Specifies custom format string.
Empty value	string; default: N/A	A string which will be placed if any value cannot be received.
Delimiter	string (Maximum length of value is 1 bytes); default: N/A	Specifies delimiters for multiple data segments.
Segment count	integer [1..64]; default: 1	Max segment count in one JSON string sent to server.
Send as object	off on; default: off	When turned on, sends JSON segment as object and not as an array element.
Data filtering	All Name MAC address Signal strength ; default: All	If Data type: Wifi scanner . Choose which data this sender will send to server.

* This is additional software that can be installed from the **System** → [Package Manager](#) page.

Collection settings

Field	Value	Description
Enabled	off on; default: on	Enables data to server collection instance.
Format type	JSON custom ; default: JSON	Data collection objects formatting.
Format string	Default: Instance name	Specifies custom format string
Empty value	Default: N/A	A string which will be placed if any value cannot be received
Period	Default: 60	Interval in seconds for collecting/sending data to destination.
Retry	off on ; default: off	In case of a failed attempt, retry to send the same data to destination later.
Retry count	Default: 10	Retry to send the same data N times
Timeout	Default: 1	Timeout in second between retry attempts

Server configuration

Field	Value	Description
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Type	HTTP ; default: HTTP	Interval in seconds for collecting/sending data to destination.
Server address	Default: empty	Hostname or IP address of the broker to connect to.
HTTP headers	Default: empty	Allows to add custom headers to the HTTP requests.
Enable secure connection	on off; default: off	Enables the use of TLS certificates.
Enable secure connection	off on ; default: off	Enables the use of TLS certificates.
Certificate files from device	off on; default: off	Specify where the certificates will be used from.
Certificate authority file	.ca file; default: none	Certificate authority is an entity that issues digital certificates. A digital certificate certifies the ownership of a public key by the named subject of the certificate.
Client Certificate	.crt file; default: none	Certificate file is a type of digital certificate that is used by client systems to make authenticated requests to a remote server. If client certificate is not needed, leave both client certificate and client key fields empty.
Client Private Keyfile	.key file; default: none	File containing private key for this client. This file needs to be not encrypted.