

Section :	StaticConfiguration
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'Static configuration' means that the Osiris Dynamic Routing system is not used to automatically detect and enumerate Osiris Family stations. 'Static configuration' typically applies for permanent stations, contacted over an ADSL line, a satellite link, or any other connection involving a firewall. The most critical step when starting the management of such stations by OMNI is the network setup of the firewalls, on both sides.

The osh server running on each Osiris Family device listens on port TCP/2323. This can not be changed. However, the network administrator may already use this port from the Internet or for any other reason may ask the user to connect an other port. Thus, assuming that the osh server of Station_1 is reached by connecting on port X of Firewall_1 from the Internet, the situation is the following :

OMNI -> Firewall_0 -> ... Internet ... -> Firewall_1(port X) -> Station_1 (port 2323)

Firewall_0 (on the OMNI side) must authorized outgoing connections from OMNI to the Internet on port X.

Firewall_1 (on the station side) must redirect incoming connections on port X to Station_1 on port 2323.

If more than one station are installed behind Firewall_1, each station must have a rule so that one incoming port is redirected on a given station :

X->Station_1:2323

Y->Station_2:2323

Z->Station_3:2323

and so on.

On the OMNI side, the target addresses and ports must be specified in the OMNI setup.

Here is the step by step procedure :

- In the Configurator, fill the input in front of "Manually register a station:", for clarity, use capital letters only. Click on "create".
A new line corresponding to the newly created station appears. The line is grey, indicating that OMNI is not running for this station.
- Click on button "Edit NAME/conf" in the fifth column. It open a forms where all fields are "undefined". On the right side, the value of each field after the default setup and group synthesis is displayed. The actual value of each field is taken from the default setup, then it is overwritten by the group setup (if a group is defined and if the field is defined in that group) and finally, if the station setup defines the field, the value from the station config is used.
- Contact : the IP address, including port number that will be used to contact the web interface of the station (may be undefined).

- Target : the IP address (without port number) used to connect the station (the IP address of Firewall_1 in the example above).
- OshWait and OshConnect must be empty (white space), the value on the right side must be empty.
- OshKey must be defined according to the station parameter "password", refer to the Osiris Family Documentation.
- OshPort must indicate the port to connect on the Target IP address.

Remember that fields such as 'OshGetLogCommand' must be empty to indicate that the feature must not be used. Possible choices are 'yes' or empty. Other values introduce unpredictable results. Since release 2.4, Omni accepts also 'no' to indicate that the feature is not used.

When all the fields are defined according to the special setup of the station, press "Submit", the Configurator is displayed and the Omni monitoring for the station can be started by clicking on "Start".

A few seconds may be necessary to actually start the monitoring, reload the page after 2-3 seconds if the new station does not appear to be monitored.

If the OMNI configuration for a station is changed, the monitoring must be stopped and restarted.

Stations using a static setup will never exhibit a white tile as they will never be reached by the Osiris Dynamic Routing system.