

EasyTunnel is a tool integrated into Niagara framework that allows connectivity between Niagara stations even in absence of a public and static IP address and without using external payment services (dynDNS / tzo) or APN, in case of mobile connectivity.

EasyTunnel allows communication via fox protocol with a centralized server through a tunnel. It supports three types of connections: fox, http and a configurable service (normally used to manage the platform). Clients open the tunnel connection by contacting the server (which will have a static IP and the public "known"), and once the connection is established "permanent" between client and server, it is possible to communicate to and from the JACE in a bidirectional way, having only the address of the server, which will then be put in communication between the various peripheral units thanks to the open tunnels by the same.

Furthermore, EasyTunnel allows to monitor the consumption derived from mobile data traffic (gprs/umts) in two different ways: 1) by configuring schedulers to keep the connections active in pre-fixed days and times 2) by controlling the achievement of a customized traffic threshold.

Key Features

- Simplifies and accelerates the configuration of the connection between JACE and Supervisor.
- Allows connection even without a public and static IP address.
- Allows a controlled connections management and individually activation of the desired services (fox, http and platform).
- Avoids using of external DDNS payment services.
- Allows remote access for maintenance and for updating the software modules of the JACE.
- Secure communication with encrypted data feature.
- Tracking and monitoring of bandwidth consumption.
- Balances connections by distributing the load across multiple servers.
- It can be integrated into EasyLink.

Type of system

- Connectivity

Niagara Platform

- JACE
- Supervisor

Niagara Versions

- N4
- AX, 3.6 or later

