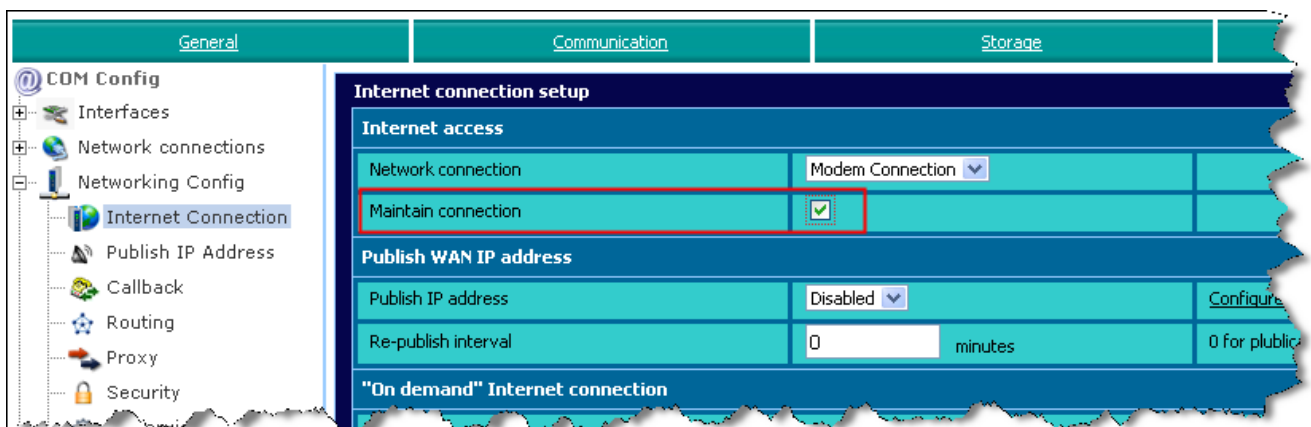# Maintain a permanent modem connection

In some situations you may want to configure the modem (GPRS/EDGE/PSTN, etc) of the eWON to stay connected without interruption.

To achieve this, you need to set the Maintain connection option and to adapt the Maximum connection time parameters.
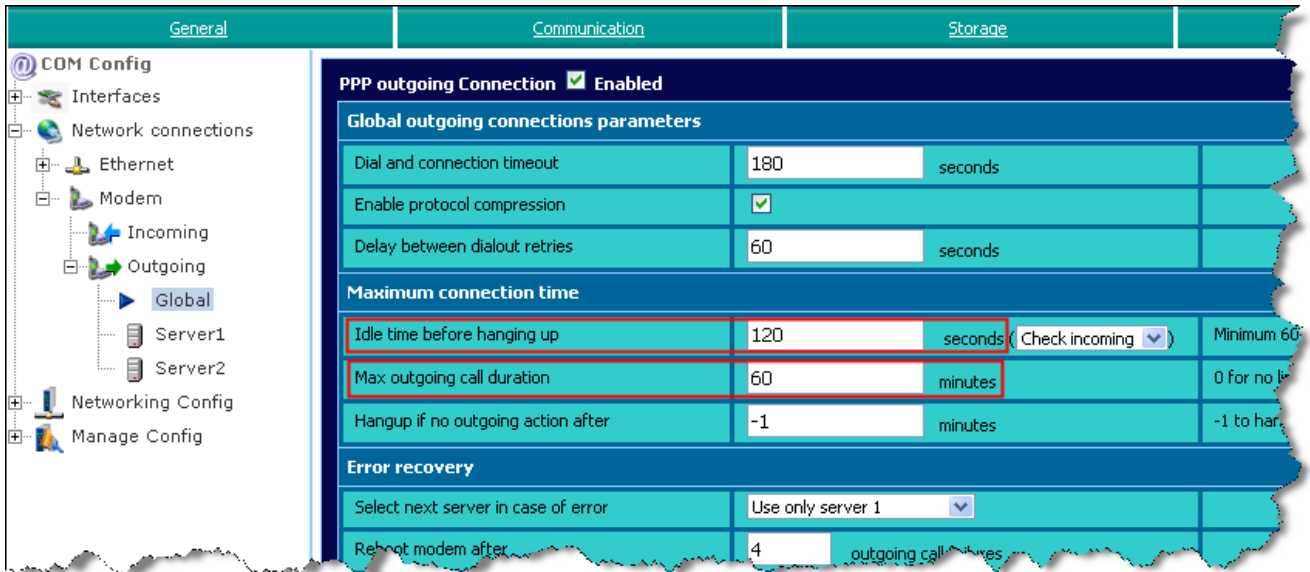
1. Maintain connection

On the Internet connection configuration page check the 'Maintain connection' option. (Menu: System Setup/ Communication/ Networking Config/ Internet Connection)

The Maintain connection feature will reactivate the Internet connection once the Internet connection is closed. The duration of the Internet connection must still be configured using the Maximum connection Time fields of the PPP outgoing connection (see hereunder).

2. Maximum connection time

On the PPP outgoing Connection configuration page adapt the Maximum connection time parameters.

The Idle Time before hanging up parameter defines the amount of time after which eWON will hang up if no data transfer occurs on the modem link (any type of PPP traffic) during this time.

If you use a VPN connection, due to the keepalive exchange between the VPN client and the VPN server, this parameter can be let to default settings.
If you do not use a VPN connection, then increase the value of this parameter to make sure that the line will not be dropped due to communication inactivation.

The Max outgoing call duration defines the maximum amount of time of the outgoing call. When this amount of time is reached, then the eWON stops the modem communication. So for permanent connection, increase this amount of time. You can also set this parameter to 0, which will deactivate the time limit for the connection.

Note: Some GPRS operators do not like that a device stays connected for a too long time period. In this case it is better to configure the eWON to disconnect and reconnect from time to time on the GPRS network. So in this case better not deactivate the Max outgoing call duration paramter but set it for example to 10080 min to force a reconnection after 1 week.

Let the Hangup if no outgoing action after parameter set to -1.

3. Calls Budget

Also check that the calls budget management has been disbaled.

Put 0 into the «Allocated budget» field to deactivate the call budget management.
The Call budget management allows you to manage the costs of the outgoing connection.
By default eWON is configured to allow 24 hours of outgoing connection during one week (168 hours).

Revision

Revision History

Revision Level	Date	Description
1.0	25/05/2012	Creation of document

Document build number: 10

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