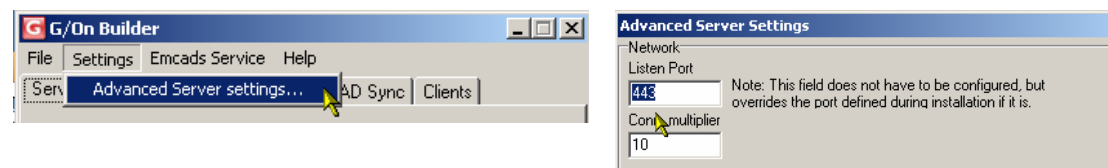


How to Configure Firewalls in a G/On Environment

G/On Server Configuration

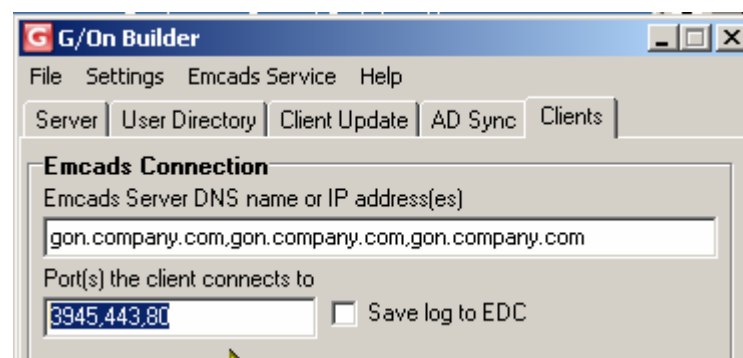
Giritech has been assigned TCP port 3945 for our G/On Server, and this is the default port that the G/On Server will listen on. If necessary, this port can be re-assigned to another value using G/On Builder.



There should rarely be a need for changing this Listen Port as the G/On Server is on the inside of the network. However, it is relevant if your firewall does not have the ability to do port translation and you need or choose to configure G/On to connect over the Internet via another port, say 443.

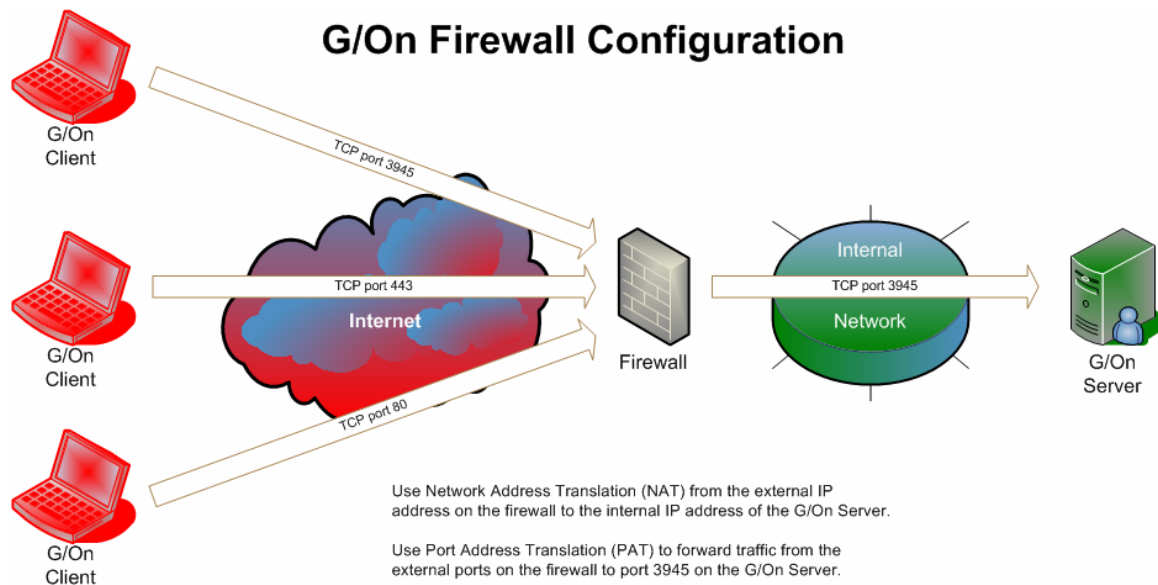
TCP port 3945 is also the port we recommend the G/On Client use to contact the G/On Server in order to establish a connection. However, in networks with tight security, TCP port 3945 may be blocked and it becomes necessary to use other ports to connect. G/On supports this feature by configuring several TCP ports for the G/On Client to attempt to connect through.

The screenshot below shows how to configure the G/On Client to first try on port 3945, then on port 443, and finally on port 80. Please be aware that a configuration like this requires these external ports to be translated in the firewall into the internal Listen Port used by the G/On Server. See details below.



Firewall Configuration

If you configure the G/On Client to be able to connect on alternative ports, the firewall will need to be configured to respond on all these ports, in this case TCP port 3945, 443 and 80. These ports should all be Port Address Translated (PAT) to TCP port 3945 (or if the listening port is changed as in the above example, PAT to TCP port 443).



A generic firewall configuration is provided below. This will differ from firewall to firewall, and the firewall administrator will need to set this up according to the type of firewall that is implemented in the installation.

```
gon_external EQ 80.200.100.10
gon_internal EQ 10.0.0.10
```

```
NAT INBOUND gon_external TO gon_internal
NAT OUTBOUND gon_internal TO gon_external
```

```
PAT INBOUND gon_external PORT 3945 tcp TO gon_internal PORT 3945 tcp
PAT INBOUND gon_external PORT 443 tcp TO gon_internal PORT 3945 tcp
PAT INBOUND gon_external PORT 80 tcp TO gon_internal PORT 3945 tcp
```