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# Configurations Options Reference Manual

Transport Parameter Options

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# Transport Parameter Options

Set options in this section in the Transport Parameters of the connection's properties. Transport Parameter options are not associated with a configuration option section, and do not appear in the options or annex of an Application object.

## transport Option

In a configuration file, these options appear in the following format: `transport = <option name>=<value>;<option name>=<value>; ...`

Collectively, the options make up the parameters of the transport option. When entering the options in Genesys Administrator, only the options are required; `transport =` is prefixed automatically to the list of option/value pairs.

### Important

Valid values for these options must have no spaces before or after the delimiter characters ";" (semi-colon) and "=".

## Configuring Client-Side Port Definition

The Transport Parameter options in this section are used to configure client-side port definition, Refer to the chapter [Client-Side Port Definition](#) in the *Genesys Security Deployment Guide* for information about how to use these options.

Set these options in the following navigation path in Genesys Administrator:

- Application object > Configuration tab > General section > Connections > <Connection> > Connection Info > Advanced tab > Transport Parameters

### port

Default Value: No default value

Valid Values: A valid port number

Changes Take Effect: After client application restart

The port that the client application uses for its TCP/IP connection to the server.

### address

Default Value: No default value

Valid Values: A valid IP address

Optional. Specifies the IP address or host name that a client uses for its TCP/IP connection to the server.

### backup-port

Default Value: No default value

Valid Values: A valid port number

Changes Take Effect: After client application restart

In an HA pair, the port on the backup server that the client application will use for its TCP/IP connection to the server.

### Important

If the client application servers are in an HA pair, the port and backup-port values will be propagated from the primary server to the backup. As a result, after switchover, these ports will be in use by another server, so the new primary client application will be unable to open and use them.

To prevent this, Genesys recommends that you do one of the following:

- Locate the backup pair on different hosts.
- Manually change the port and backup-port settings for the backup server.

## Configuring Mixed IPv4 and IPv6 Environments

For connections with servers that support both IPv4 and IPv6, use the **ip-version** transport parameter option to specify which version to use.

### ip-version

Default Value: 4,6

Valid Values: 4,6 and 6,4

Changes Take Effect: At restart

Specifies the order in which IPv4 (4) and IPv6 (6) are used for the connection with a server that has a mixed IPv4/IPv6 configuration. This parameter has no effect if the environment variable GCTI\_CONN\_IPV6\_ON or the option **enable-ipv6** is set to 0.

The following table summarizes how this parameter affects the connection for which it is configured.

Connecting Server	ip-version=4,6	ip-version=6,4
Supports only IPv4	IPv4 is used	IPv4 is used
Supports only IPv4 and IPv6	IPv4 is used	IPv6 is used

Connecting Server	ip-version=4,6	ip-version=6,4
Supports only IPv6	IPv6 is used	IPv6 is used

For more information about IPv6, refer to the [Solution Availability](#) and [IPv6](#) sections of the *Framework Deployment Guide*.