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# T-Server Reference Guide

TOpenServerEx

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# TOpenServerEx

## Description

Opens a communication session to the T-Server specified by the parameters `server_host_name` and `server_port`, which are taken from Configuration Server. It designates the event-processing function that will be invoked each time an event from T-Server is detected.

Use the `TOpenServerEx()` function (rather than `TOpenServer()`) to reconnect after a T-Server session has been unexpectedly disconnected or if an application already knows the parameters `server_host_name` and `server_port`.

## Parameters

Name	Description
<code>server_host_name</code>	A pointer to the host name of T-Server to be contacted.
<code>server_port</code>	The port number.
<code>dispatch_function</code>	A pointer to the function that will be called when an event from T-Server arrives.
<code>application_name</code>	A pointer to the application name.
<code>application_password</code>	A pointer to the string containing the tenant name and the tenant password separated by a slash (/).
<code>open_mode</code>	Communication mode (synchronous or asynchronous). Refer to the type <b>TOpenMode</b> for information on the implications of using one mode versus the other.

## Return Values

`> 0` - A local server handle to the specific T-Server; in other words, a unique identifier assigned by T-Library to the connection between a client and T-Server. The handle will be used subsequently to send requests to T-Server throughout this communication session.

`< 0` - Error condition. Returned to the application if the communication session with the T-Server could not be established.