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# T-Server Reference Guide

TOpenServerX

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# TOpenServerX

## Description

Opens a communication session to the T-Server specified by the `conn_param` argument, and designates the event-processing function to be invoked each time an event from T-Server is detected. Use this function (instead of `TOpenServer()` or `TOpenServerEx()`) to set up an ADDP-compliant connection to T-Server. ADDP provides timely detection of TCP/IP connections, or failures, where the TCP/IP itself fails to provide the same information in a timely manner.

## Parameters

Name	Description
<code>conn_param</code>	A pointer to an XKVList type containing a description of the connection. The following table describes the information contained in this XKVList .
<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>	Set of flags specifying the mode in which the connection is open.

## 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 is 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.