

# XOInstance Function

## Description

Creates a Connection Object instance and returns the handle.

## Syntax

*hXO* = **XOInstance** (*sourcename*, *sourcetype*, *loginID*, *password*, *timeout*, *options*, *scope*)

## Parameters

The XOInstance function has the following parameters:

Parameter	Description
<i>Sourcename</i>	OpenInsight data source name.
<i>Sourcetype</i>	Data source type.
<i>LoginID</i>	User name used to connect to the data source.
<i>Password</i>	Password used to connect to the data source.
<i>Timeout</i>	Number of seconds to wait for a connection.
<i>Options</i>	A bit-masked number that specifies connection options. Select one from each group.

Group	Description												
Transactions	<div>Specifies whether transactions will be used.</div> <table><tr><th>Value</th><th>Constant</th><th>Description</th></tr><tr><td>0</td><td>XO_USETRANS\$</td><td>Uses transactions (default).</td></tr><tr><td>1</td><td>XO_NOTRANS\$</td><td>Does not use transactions.</td></tr></table>	Value	Constant	Description	0	XO_USETRANS\$	Uses transactions (default).	1	XO_NOTRANS\$	Does not use transactions.			
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Shareable	<div>Allows the caller to either share connections (to minimize the number of open connections) or specify a connection "not shared" (to minimize the possibility of interference between processes).</div> <table><tr><th>Value</th><th>Constant</th><th>Description</th></tr><tr><td>0</td><td>XO_NOSHARE\$</td><td>Does not share connections (default).</td></tr><tr><td>2</td><td>XO_SCOPEDSHARE\$</td><td>Requests a shared connection within a specifies scope.</td></tr><tr><td>4</td><td>XO_GLOBALSHARE\$</td><td>Requests a public connection handle.</td></tr></table>	Value	Constant	Description	0	XO_NOSHARE\$	Does not share connections (default).	2	XO_SCOPEDSHARE\$	Requests a shared connection within a specifies scope.	4	XO_GLOBALSHARE\$	Requests a public connection handle.
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4	XO_GLOBALSHARE\$	Requests a public connection handle.											
Login Dialog	<div>Determines whether the Login dialog box will be used to collect login information.</div> <table><tr><th>Value</th><th>Constant</th><th>Description</th></tr><tr><td>0</td><td>XO_LOGINDIALOG\$</td><td>Displays the dialog if attempted login fails (default).</td></tr><tr><td>8</td><td>XO_NODIALOG\$</td><td>Returns an error if the login fails (does not prompt the user for login information).</td></tr><tr><td>16</td><td>XO_ONLYDIALOG\$</td><td>Gives the user an opportunity to specify login information before attempting to connect.</td></tr></table>	Value	Constant	Description	0	XO_LOGINDIALOG\$	Displays the dialog if attempted login fails (default).	8	XO_NODIALOG\$	Returns an error if the login fails (does not prompt the user for login information).	16	XO_ONLYDIALOG\$	Gives the user an opportunity to specify login information before attempting to connect.
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Resolve Parameters	<div>Allows XOInstance() to fill in unspecified parameters using system defaults and previously entered information.</div> <table><tr><th>Value</th><th>Constant</th><th>Description</th></tr><tr><td>0</td><td>XO_RESOLVE\$</td><td>Automatically fills in missing connection (default).</td></tr><tr><td>32</td><td>XO_NORESOLVE\$</td><td>Does not automatically modify the connection parameters.</td></tr></table>	Value	Constant	Description	0	XO_RESOLVE\$	Automatically fills in missing connection (default).	32	XO_NORESOLVE\$	Does not automatically modify the connection parameters.			
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Scope	If the XO_SCOPEDSHARE\$ option is specified, this parameter defines the name by which the Connection Object will be shared.												

## Returns

Handle to the Connection Object.

## Remarks

```
/* If the system connection default is not set to XO_NODIALOG$
then this will prompt the user for connection information and return the Connection Object. */

hXO = XOInstance()

/* Attempts to connect to the ODBC data source: "CUSTOMER" using the specified login and password, and default
timeout. */

hXO = XOInstance ("CUSTOMER", "ODBC", login, pwd, "", |
XO_USETRANS$ + XO_GLOBALSHARE$ + XO_NODIALOG$ + XO_NORESOLVE$)
```