



zanox Connect

Quick Start Guide for Developers

What is zanox Connect?

zanox Connect is a single sign-on solution which offers a smooth and secure way of integrating applications. zanox Connect is similar to single sign-on processes used on platforms such as Facebook and is based on the **OAuth** protocol.

With zanox Connect you can retrieve the authentication credentials of zanox publishers that use your application and connect their accounts on zanox with existing accounts on your site.

Once the user of your application is logged on to the zanox network your application can execute Web Services requests on behalf of the user and retrieve private data from the user's zanox account. You could for instance:

- Retrieve tracking links
- Retrieve statistics
- Apply to programmes

Sign-on procedures

The integration process you implement via zanox Connect has to support the following sign-on procedures:

1. An already authenticated user accesses your application from the Application Store and is re-directed to your landing page. You have to retrieve the user's credentials to be able to execute Web Services requests on behalf of the user.
2. A user accesses your application from outside the zanox network. On your landing page you have to provide a log-on button. Once the user has been authenticated by zanox you have to retrieve the user's credentials from your application.

Keys

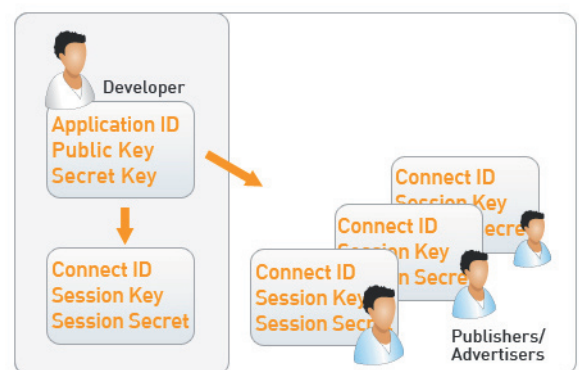
To implement a connection to a user account via zanox Connect various keys are needed. These keys are provided by zanox and will be used in the connect process.

The following keys are provided:

Key	Description
Application ID	ID used to identify the application
Connect ID (developer)	ID used to identify the developer of the application
Public Key	Authentication credentials of the application used in the zanox Connect workflow
Secret Key	Authentication credentials of the application used in the zanox Connect workflow
Authorisation Token	Is created when a user has been successfully authenticated The Authorisation Token is provided as additional parameter when re-directing a user to the developer's landing page after authentication. It needs to be passed to zanox Connect by the application to retrieve the user's credentials.
Connect ID (user)	ID used to identify the user of the application



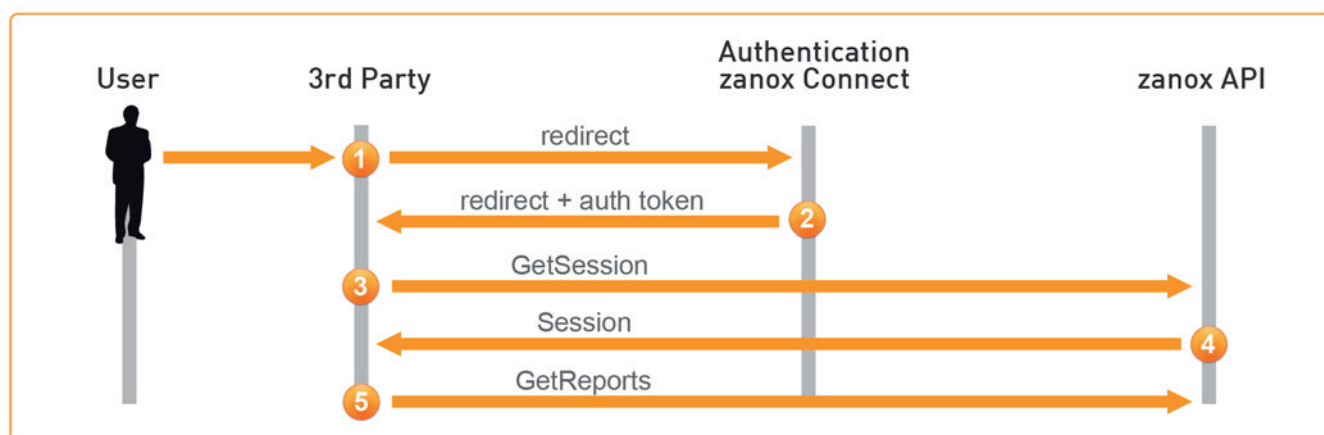
For further information on OAuth see <http://en.wikipedia.org/wiki/OAuth>.



Key	Description
Session Key	Key provided to the application after a GetSession call The Session Key identifies the Web Services session and is valid for a limited period of time.
Session Secret	Key provided to the application after a GetSession call The Session Secret identifies the Web Services session and is valid for a limited period of time.

Implementation of zanox Connect

The figure below illustrates how to integrate an application with zanox Connect.



- 1 A user accesses a 3rd party landing page.
The 3rd party landing page re-directs the user to the zanox Connect login page.
- 2 a) If the user is already authenticated the zanox Connect login page re-directs him/her to the 3rd party landing page.
b) If the user is not authenticated, he/she will be prompted to insert a user name and password.
After being successfully authenticated the user is re-directed to the 3rd party landing page and an Authorisation Token is passed.
- 3 The 3rd party calls the Web Services method **GetSession** and passes the following parameters to the zanox system:
 - Authorisation token
Token created by the zanox system and sent via a http request
 - Public Key
ID provided in the Activities Manager
 - Timestamp
GMT timestamp
 - Nonce
At least 20 character random string provided by the developer
 - Signature
Hash-based signature to authenticate the request caller provided by the developer
- 4 The GetSession provides the following parameters:
 - User's Connect ID
 - Session Key
 - Session Secret
- 5 The 3rd party uses these parameters to execute Web Service requests on behalf of the user (e.g. GetReports).

i If you provide an application as software, the landing page provides a URL to a website where the software can be downloaded.

If you provide an application as a service, the landing page provides a URL to a website where the service is hosted.

💡 You can find the WSDL of the GetSession on <https://auth.zanox-affiliate.de/wsdl>.

You can find a sample zanox Connect code for a Java application on http://wiki.zanox.com/en/Test_java_client.

💡 See on http://wiki.zanox.com/en/SOAP_API_authentication_with_zanoxConnect how to create timestamp, nonce, and signature.

Publisher

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