

OpenDXM GlobalX

The secure data exchange platform

The OpenDXM® GlobalX portal solution allows you to exchange data with your partners in a secure, reliable and easy-to-use environment. OpenDXM® GlobalX offers a highly secure encryption concept, and it is optimized to allow the reliable transfer of large volumes of data. OpenDXM® GlobalX can be used as either an independent platform or in conjunction with an existing OpenDXM® installation. OpenDXM® GlobalX is a collaboration platform for companies in any industry who need to exchange and distribute data securely.

Two-tiered encryption

A two-tiered encryption concept ensures the security of your data both during storage and during transfer. Digital rights management functions are also available.

Optimized for large volumes of data

Save time and transfer mass data reliably over long distances two to three times faster with multi-threaded HTTPS protocol from PROSTEP.

Flexible application supports a variety of users

Use OpenDXM® GlobalX as an independent, cost-efficient solution for your company, as an extension to your existing PROSTEP software solutions, or integrate OpenDXM® GlobalX into your existing portal infrastructure.



OPENDXM[®]
GLOBALX

Performance features

Secure

End-to-end, high level of data security

The data can be encrypted using keys with up to 2048 bits, and can only be accessed by authorized users. When the data is downloaded via the HTTPS protocol, the data is only decrypted automatically if the user is in possession of a valid key. If this is not the case, the data is useless to the recipient.

Protection of internal company networks

OpenDXM® GlobalX is installed in a DMZ (demilitarized zone); this is also where the encrypted data is made available. Embedding the solution in a DMZ protects the data against unauthorized access via the Internet and prevents outside attacks on the internal company network.

Integrated or existing PKI (Public Key Infrastructure) management

Integrated PKI management allows the keys to be managed automatically. If a company has already implemented PKI management, OpenDXM® GlobalX can make use of this public key infrastructure management facility.

Optimized and reliable

Stable and fast transfer of large volumes of data

The multi-threaded HTTPS protocol specially developed by PROSTEP allows for the fast and reliable transfer of large amounts of data using transfer rates two to three times faster than the transfer rates offered by the standard HTTPS protocol. A special algorithm allows data packages to be transferred in blocks and ensures that transfer processes which have been interrupted or which have been halted by the user can be resumed at the same position at which they were halted. This functionality is particularly useful when transferring data over long distances via the Internet and mitigates typical latency issues.

High level of data transfer reliability

OpenDXM® GlobalX supports highly available infrastructure, thus allowing 24/7 operation.

Flexible and open

Automation options

Specially developed modules for batch operation can be used to automate both provision of the data on the platform and data download to a great extent. "Personal agents" allow data downloads and uploads to be performed automatically for a certain person at specific times. The next stage of expansion involves "GlobalX robots", which enable automatic downloads and uploads from or between OpenDXM® GlobalX portals. GlobalX robots can be used to fully automate batch communication for all the users in a company who exchange data via OpenDXM® GlobalX.

Logging of communications operations

All transactions (downloads and uploads) are logged in detail, and these logs can be used as documentation for procedures, as well as easy to use searches and reports.

Scalable GlobalX components

OpenDXM® GlobalX comprises a basic module and additional system components which you can use to tailor the platform to your needs.

PDM integration modules

OpenDXM® GlobalX can be integrated in PDM systems and supports business processes related to partner integration and collaboration. OpenDXM® GlobalX is integrated in Teamcenter in such a way that the user has the feeling that he is using a single application.

MS Office integration modules

OpenDXM® GlobalX Office integration modules are particularly useful for processes in which Microsoft Outlook or Office is the preferred software. The use of e-mail systems is wide-spread at most companies, and OpenDXM® GlobalX Office integration modules allow the user to remain in his familiar office environment while at the same time benefiting from the functionality offered by OpenDXM® GlobalX.

GlobalX components

- OpenDXM® GlobalX Basic Module provides key functions such as document storage, encryption, key management, rights and role management, logging.
- OpenDXM® GlobalX Thin Client is a browser-based user interface with a user front-end comprising the basic functions required for interactive use by a user
- OpenDXM® GlobalX Personal Agent is a separate application which allows a user's processes (upload, download, multi-portal watching) to be automated.
- OpenDXM® GlobalX OpenDXM® Connector connects an internal OpenDXM® engineering data exchange solution with OpenDXM® GlobalX and, among other things, allows the portal options of OpenDXM® to be combined with OpenDXM® workflow options.
- OpenDXM® GlobalX LDAP Interface allows connection to an existing user management system on the basis of LDAP with the option of implementing SSO.

Other GlobalX components include OpenDXM® GlobalX Robots, the OpenDXM® GlobalX Publish&Subscribe module, the OpenDXM® GlobalX OpenPDM® Connector, the OpenDXM® GlobalX Open Interface and the OpenDXM® GlobalX Mail Gateway.