## Overview

QXchange is a powerful data integration tool to access, integrate and manage large volumes of data from various systems. Extraction, transformation and loading of data are powered by QXchange with source and target database support.

QXchange helps organizations to bond together all enterprise data and ensures accuracy of data in a timely manner. QXchange is a simple stand-alone application that can be used by novice users at ease.

QXchange is flexible, easy to use, data integration software. It can quickly and easily transfer data between many standard data formats and applications, including MS Access, Excel, Comma delimited flat file, MS SQL Server, QuickBooks, Netchex and others. It allows simple and clear setup of extraction, transformation and loading instructions to exchange data between different formats. The instructions are stored and managed as profiles.

Netchex is an HCM solution, delivers HR and Payroll services that are intuitive and empowering. Pair the best technology with personalized customer care for a true partnership. It has various modules such as Recruitment, Payroll and Tax compliance, Human Resources, Time & Attendance, Reporting and Analytics and ACA solutions. Netchex also supports 3rd party applications integration through API.

## Technology

Netchex, supplies API services, a pool of API calls for building applications and integrating with Netchex objects. This set of APIs allows you to create and retrieve data from Employees, New hires, Positions, Payrates, Deductions, Location, Background check, Contact Info, Time punches, Time sheets and supporting to export into payroll. The platform also ensures that the third-party product is properly authenticated prior to getting access to the Netchex data. All access to Netchex is through the API requests.

## Authentication and Authorization

QXchange uses sign-on information provided by the individual customer to identify itself while communicating through the Netchex. An existing company id and Netchex API Key can be used. The login information is encrypted and stored locally on the user machines. The application and login information are presented to the Netchex authentication system to allow access to the QXchange application.

QXchange is installed locally at the customer site so that customer data is directly loaded between customer machines and the Netchex site without any other intervening web sites. QXchange sends a message request to Netchex and Netchex sends back a response message; the communication is managed synchronously.

## Data Access Plug-in

QXchange integration engine uses Data Access Plug-ins (DAPs) for individual application and data format integration. All the DAPs are called using a standard Application Program Interface (API). The Netchex API is wrapped inside one of these DAPs. This allows for a smooth and standard operation across all the various DAPs.

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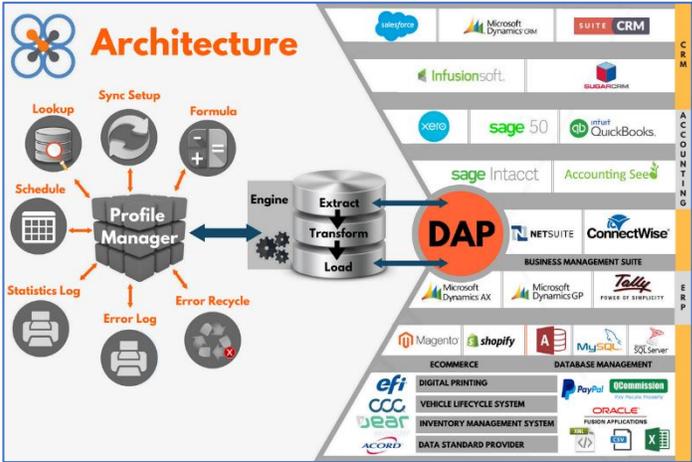


**Supported objects in QXchange**.

| Lists | Objects |
|-------|---------|
| Entity | Demographics |
| Transactions | Timesheet, Time punches |

## Using QXchange

The QXchange engine works the same for all different DAPs. Every data transfer is set up as a profile, with a source and target data file, which can be of different data formats. Data transfer between specific objects and the mapping of source to target fields are also set up in the profile.

The profile can be executed directly or can be scheduled to be executed later. The process can be run on a local desktop or on a server.

## Source Data

Netchex can be defined as source data and the various objects can be accessed. Field level data from the objects can be extracted and mapped to destination objects and fields in different data formats. Data from multiple objects can be extracted. Multiple profiles can be set up to extract data from various objects. Source data can also be filtered using various expressions. Prior to executing extract, the source data can be viewed to make sure the right records are getting selected.

**Scenarios**

The QXchange ability to integrate Netchex allows many uses. Certain limitations in Netchex reporting can be exceeded with this tool.

**Conclusion**

QXchange does a tremendous job, understanding the intricacies of the Netchex data structure as well as the complications inherent in the data integration process. With this ability and its ease of use, it allows users to make more effective use of their Netchex Data.