NetSuite Integrations

Integration Options and Technology

NetSuite cloud integration practices ensure the accessibility of your data by integrating through a wide array of tools by utilizing Open Standard API's to communicate and exchange data with other applications. NetSuite provides SOAP and REST API frameworks, event notifications and callouts, CSV file imports, SQL connectors, integration solutions and partner applications that support real-time access to data.
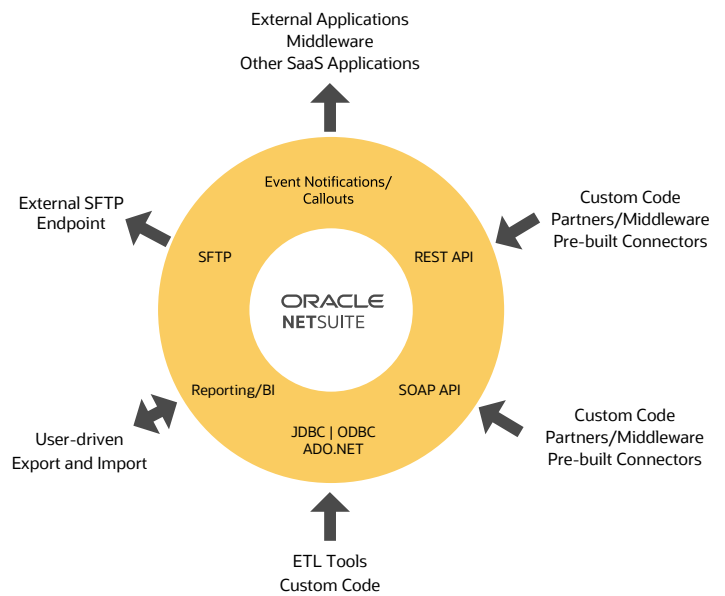
NetSuite has the capability to act as a client or as an integration server. As a client, it can push and pull data to and from an external application. As an integration server, it allows an external application to push and retrieve data to and from NetSuite.

Web Services

SOAP API

The NetSuite SuiteTalk Platform is a web services integration tool that allows an external application push data into NetSuite. It provides a programmatic access to NetSuite data and business processes through an XML-based application programming interface (API). SuiteTalk uses SOAP-encoded web services, with document style encoding, that consists of message-oriented exchanges where an XML schema specified within the SOAP message defines the structure of any messages sent between two applications and supports HTTPS transport as defined in the WSDL document.

- [Documentation](#)

- [Sample Applications](#)

External Applications
Middleware
Other SaaS Applications

Event Notifications/
Callouts

External SFTP
Endpoint

SFTP

REST API

Custom Code
Partners/Middleware
Pre-built Connectors

ORACLE
NETSUITE

Reporting/BI

SOAP API

JDBC | ODBC
ADO.NET

Custom Code
Partners/Middleware
Pre-built Connectors

User-driven
Export and Import

ETL Tools
Custom Code

Key Benefits

- Web services integration platform across NetSuite's ERP, CRM and ecommerce.

- Supports integrated business processes across third-party systems and NetSuite.

- Real-time transactional and master data integration.

- Enables user to leverage existing skills such as Microsoft .NET or Java.

- Error handling and security that support robust integrations.

REST API

The NetSuite REST web services provide an integration channel that extends the capabilities of SuiteTalk. REST web services provide an out-of-the-box REST-based interface for interacting with NetSuite. Using REST API, fewer calls may be required to accomplish a business flow. NetSuite supports JSON-based CRUD (create, read, update, delete) operations.

- Documentation
- Object Browser

Key Benefits

- Simple access to records metadata.

- Easier handling of custom records and custom fields.

- Lightweight, no coding and script deployment needed on the server side.

Custom Built REST API

NetSuite also provides a REST API framework that leverages its Javascript-based API. RESTlets are SuiteScripts that execute when called by an external application or by another SuiteScript. On a high level, this can be used to retrieve, add and manipulate data within NetSuite from an external source. In this sense, RESTlets can be seen as an alternative to SuiteTalk Web Services as it has the capability to control client and server implementation, as well as integrate external web-based applications such as Google Apps. Supported HTTP methods are—Get, Post, Delete, Put.

- Documentation

Key Benefits

- Lightweight, more suitable for mobile devices, can be bundled.

- Secure as integration requires authentication over other script types.

- Real-time transactional and master data integration.

Event Notifications or Callouts

NetSuite SuiteScript API supports making external REST and SOAP callouts. This leverages the Javascript API for scenarios where NetSuite initiates outbound calls to an external application using REST or SOAP Web Services. A good example would be an external system listening to changes occurring in NetSuite.

- Documentation

Real-time SQL Connectivity
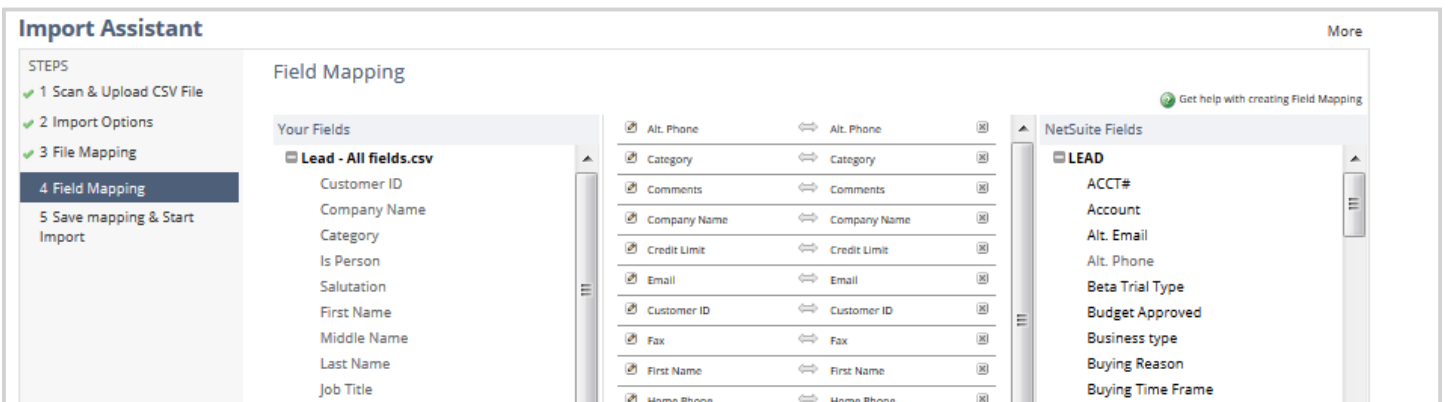
SQL Connectors

NetSuite SuiteAnalytics Connect Service provides read only access to all underlying data. NetSuite offers ODBC, JDBC, and ADO.NET drivers that users can download and install to connect to the Connect Service. This enables the user to archive, analyze and report on real-time NetSuite data using a third-party tool or any custom-built application on any type of device using a Windows, Linux, or OS X operating system.

- Documentation
- View Browser

File Import

NetSuite provides a wizard-based utility to import CSV files into standard and custom NetSuite objects. This is the recommended method for transferring small to medium sized data sets from external applications into NetSuite. The import assistant performs imports by record type and displays the automatic mappings of CSV file fields to the NetSuite fields.

- Documentation

Wizard-driven Import Assistant

NetSuite SuiteApps

NetSuite has a rich partner ecosystem that supports a variety of prebuilt connectors and middleware platforms with standard NetSuite connectors. Solutions Built for NetSuite (BFN), known as SuiteApps, are mostly hosted on the same servers and living in the same database as the customer's NetSuite data. Some are integrations with other SaaS systems used by NetSuite customers.

SuiteApps have three categories of solutions: Native SuiteApp resides on the SuiteCloud platform while an Integrated SuiteApp resides externally to the NetSuite platform. Hybrid SuiteApp is a combination of both—solutions integrated with NetSuite via custom UI and/or internal and external data.

- [SuiteApp Marketplace](#)