# Nelnet Business Services

## Connector Integration with PeopleSoft Campus Solutions 9.2

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A universal connector enables the integration between Nelnet and Oracle's PeopleSoft Campus Solutions.

## COMPANY OVERVIEW

Nelnet Business Services (NBS) is a leading provider of campus commerce solutions to approximately 1,300 higher education institutions. Its platforms are hosted, PCI-DSS Level 1 compliant environments that support electronic billing and payment, payment plans, commerce management, cashiering, and refunds. Nelnet enables the business office to efficiently and securely manage cash flow by handling all payments on campus. Powerful and customized reconciliation reporting and dashboard metrics give administrators a clear view of every campus transaction. In addition, other departments on campus can securely collect payments through Nelnet's commerce manager and cashiering products.

## INTEGRATION OVERVIEW

The integration between Nelnet' Connector and PeopleSoft Campus Solutions creates the ability to process payment throughout the Nelnet system and provide the information back to PeopleSoft Campus Solutions. The integration is divided into three major components with subcomponents in some cases. These components are:
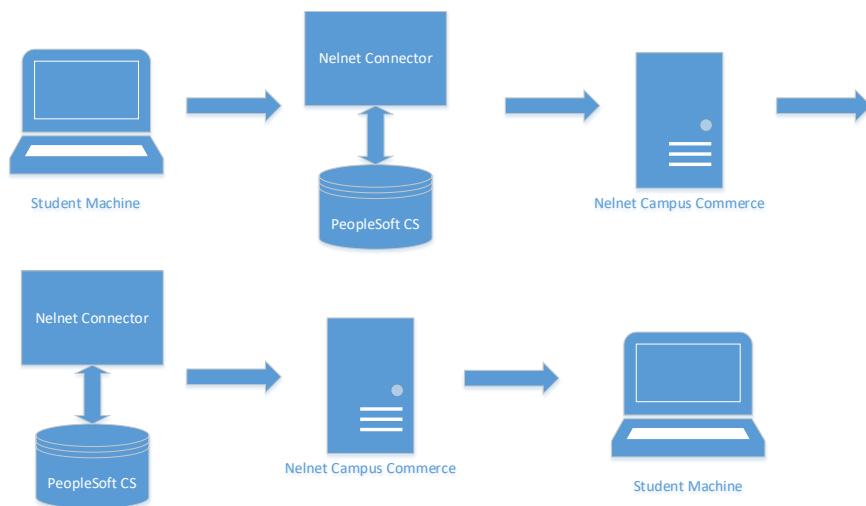
- Single sign-on (SSO)
- Real-time integration
    - Account activity
    - Agreement activity
    - Transaction activity
- Data file
    - Agreement activity
    - Transaction activity
    - Balance comparison

## INTEGRATION DETAILS

The Nelnet web API is based on REST principles and is designed to allow institutions to integrate with the Nelnet system. The API is accessed by issuing HTTP requests to the various service endpoints or URLs, and API requests are always transmitted over an SSL-encrypted connection. The HTTP method (GET, POST, PUT, or DELETE) of the API requests will depend on which service operation is being called.

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Validated Integration
PeopleSoft Campus Solutions

Oracle Validated Integration provides customers with confidence that a partner's integration with an on-premise Oracle application is functionally sound and performs as designed. This can help customers reduce deployment risk, lower total cost of ownership, and improve the user experience related to the partner's integrated offering.

*High-level data flow process for the integration*

The three components of the integration are described here:

**Single sign-on.** The single sign-on request operation allows institutions to establish "trust" between their authentication system and the Nelnet system. This trust relationship between the two systems enables users to log into the institution's system or website and then be transferred into the Nelnet system without needing to sign in again. Thus, using this operation, external systems can initiate a web session on behalf of a user, resulting in the user being signed into the Nelnet system.

**Real-time integration.** The Nelnet system can integrate with institutions in real time by issuing HTTP requests as events occur. Institutions can set up web services to accept these requests and respond appropriately, thereby receiving or sending data to the Nelnet system as the events occur.

**Data file.** Some API service operations require input parameters and data to be passed in. Each service operation specifies how the parameters should be provided using one of the following two ways: query string parameters and the HTTP request body. Simple parameters are often passed using URL query string parameters. Complex data is often passed as XML documents in the request body. Most service operations return an XML document in the response.

| TECHNICAL DETAILS | |
| --- | --- |
| **Partner Environment** | **Oracle Environment** |
| • Connector 3.4 | • Oracle's PeopleSoft Campus Solutions 9.2<br>• Oracle's PeopleSoft PeopleTools 8.58<br>• Oracle Database 12c<br>• Oracle WebLogic Server 12c |

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