

## Workday Integration Cloud

Workday's Integration Cloud Platform is a complete Integration Platform-as-a-Service (iPaaS) for building, deploying, and managing integrations to and from Workday. It provides a proven, enterprise-class platform that consists of an Enterprise Service Bus (ESB) embedded as part of the Workday platform with associated tools directly within the Workday UI for managing and monitoring integrations. The Workday Integration Cloud also provides pre-built and delivered connections to non-Workday systems, as well as tools for developing custom integrations. All integrations are deployed to and run on Workday without the need for any on-premise middleware.

### A Complete Integration Platform-as-a-Service

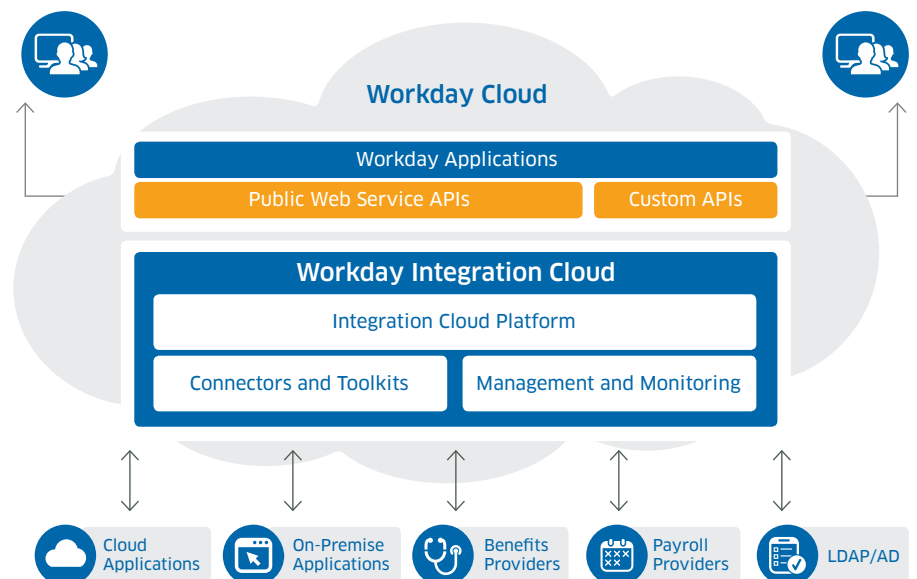
The Workday Integration Cloud provides a flexible platform for easily integrating with Workday. Workday provides hundreds of web services for seamlessly integrating with Workday, giving organizations the choice to build their own integrations using Workday's public web service API's. Alternatively, Workday offers a suite of self-service integration tools, complete with pre-built integrations, which enable both business users and IT developers to build, configure, test, and deploy custom integrations.

### Integration Cloud Platform

From the beginning, Workday has believed integration should be a native part of the application platform, not a bolt-on. Workday's Integration Cloud Platform is based on an enterprise-class ESB that is embedded as part of the Workday platform, enabling integrations to be surfaced through the application. This enables integrations to participate in the Business Process Framework (BPF), allows users to orchestrate integrations using the BPF for approvals and other workflow steps, and provides users the ability to manage and monitor integrations from within the Workday UI.

### Key Benefits

- Build, launch, monitor, and manage Workday-related integrations directly within the Workday UI
- Leverage a powerful and productive development environment optimized for building sophisticated and highly customizable integrations
- Deploy all integrations to the Workday Cloud, powered by a proven enterprise-class integration platform
- Eliminate the need to own or manage any on-premise integration middleware or servers



## Pre-built Integrations

To simplify the implementation effort of integrating with Workday and speed time to value, Workday provides a series of pre-built integrations in the form of connectors and toolkits.

### Connectors

Connectors are pre-built interfaces designed, implemented, and supported by Workday and Workday's partners. They drastically reduce the implementation time required to complete an integration by providing the processing logic, data transformation, and error handling routines required to integrate a third-party system with Workday. All connectors are configurable to accommodate differences in customer situations and run in the Workday cloud, releasing you from the burden of having to maintain separate integration infrastructure.

Connectors are managed just like any other Workday application and are kept up to date with the same overall Workday update schedule. Updates include reacting to Workday core applications—for compliance and additional application features—as well as updates to the latest tooling and infrastructure. In addition, Workday works with the third-party partner to manage a joint roadmap to ensure the integration is kept up to date as the third-party application evolves.

### Toolkits

In cases where a connector does not exist to a specific third-party application, Workday provides a collection of toolkits for speeding implementation of custom integrations to third-party systems. Each toolkit contains a collection of connectors for orchestrating an end-to-end integration with the processing logic and error handling required on the Workday side of the integration. Customers are responsible for completing the integration by implementing the logic necessary to tie it to the third-party system they want to integrate with Workday. Customers also have the flexibility to customize the orchestration of services within the toolkit to match their specific requirements for the integration.

Integrations completed using toolkits run inside the Workday cloud, and all toolkits are managed, maintained, and supported by Workday.

## Enterprise Information Builder

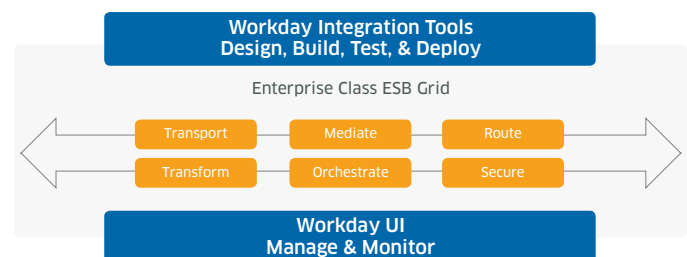
The Workday Enterprise Interface Builder (EIB) tool provides an easy-to-use graphical and guided interface to define inbound and outbound integrations without requiring any programming. Used by the majority of Workday customers, the EIB can be used by both business and IT users to address a variety of integration needs.

## Workday Studio

Workday Studio is a powerful development tool enabling customers and partners to build sophisticated and highly-customizable integrations to and from Workday. Aimed at skilled developers, Workday Studio offers a rich, graphical development environment. You can drag and drop a variety of re-usable components that handle the plumbing aspects of integration building, freeing you to focus on critical business logic.

## ESB Enterprise Grid

Powering all of Workday's integration capabilities is a best-of-breed ESB architecture that empowers Workday's integrations to scale, interconnect, and support the latest industry standards, protocols, and formats. Workday's ESB is a core component of the Workday Cloud and provides universal and open standards-based connectivity for virtually all types of business applications, information, and processes.



## Management and Monitoring

Within the Workday UI, you can manage and monitor integrations built with EIB and Studio. Both business users and IT developers can:

- Launch and schedule integrations
- View and manage past, running, and scheduled integrations
- Create and maintain email notifications based on integration events, such as when integrations launch, complete, or fail
- Configure integration security to control which users can launch, build, and view integrations and their data

Workday's integration tools are widely proven in a variety of demanding situations and offer a lower-cost, lower-risk path to delivering needed integrations in support of your specific business needs.

## Integration Cloud Connect

Integration Cloud Connect represents a portfolio of integration products designed to complement Workday core business applications by providing pre-built connections to third-party applications and services. Each integration is deployed in the Workday Cloud, which, in turn, gives you all the benefits of a fully hosted and managed application. Customers can enjoy integration solutions that are versioned and stable, as well as kept up to date with the latest infrastructure, tooling, application changes, and vendor changes (where applicable).

Integration Cloud Connect provides two types of packaged content: connectors and toolkits. In each case, the content provided is managed, maintained, and supported by Workday.

### Connectors and Toolkits



#### Human Resources Management Connectors

- Cornerstone OnDemand
- Lumesse TalentLink
- Chatter
- Kronos
- E-Verify
- AngelPoints
- SSN Verification
- Directory Services
- Jobvite\*
- Saba\*
- Globoforce\*
- Nettime Solutions\*

#### Toolkits

- Cloud Connect for Benefits
- Cloud Connect for LMS

\*Delivered by Workday Partners



#### Financials Connectors

- Salesforce Sales Cloud
- Cybersource
- ADP Check Printing
- Payments
- Check Print
- Electronic Payments
- Travel Booking



#### Payroll Connectors

- ADP Tax Filing
- Ceridian Tax Filing
- ADP Check Printing
- Ceridian Check Printing
- Kronos
- Canadian Tax Revenue Agency
- Quebec Tax Revenue Agency
- Payments
- Payroll Inputs

#### Toolkits

- Cloud Connect for 3<sup>rd</sup> Party Payroll



#### Expenses and Procurement Connectors

- American Express
- Bank of America Visa
- Citibank Visa
- Punchout
- Supplier Network



#### Custom Development Connectors

- Worker Sync
- Organization
- Talent
- Location
- Worker Organization Assignment
- Competency Model
- Job Profile and Job Family
- Worker Time Block
- Positions

## Enterprise Interface Builder

### Features

- Solves many of the common integration use cases traditional ERP customers face today
- No programming required—appropriate for business users and analysts
- Easy-to-use, form-based graphical tool
- Export data out of Workday on a one-time or scheduled basis (e.g., send weekly list of new hires to third-party training vendor)
- Bulk perform a large number of tasks or load large amounts of data into Workday using Excel spreadsheets (e.g., hiring employees, bonus data)
- Delivered on-demand directly within Workday applications

### Technical Specifications

- Transports
  - > SFTP
  - > FTP/SSL
  - > FTP
  - > Email
  - > HTTP/SSL
  - > WebDAV
  - > AS/2
  - > Workday Attachment
  - > SOAP
  - > REST
- Security
  - > PGP (encryption, decryption, & digital signatures)
  - > X509 (AS/2 encryption & digital signatures)
- Data Sources
  - > Excel spreadsheet
  - > Workday web service API
  - > Workday custom API
- Data Transformations
  - > XSLT
  - > Visual Transformer for configuring fixed-width outbound files

- Data Formats
  - > XML
  - > Excel
  - > CSV
  - > JavaScript Object Notation (JSON)
  - > Google Data (GData)
  - > Really Simple Syndication (RSS)
  - > HTML
- Other
  - > File compression
  - > Document retention policy
  - > Filename sequence generator

## Workday Studio

### Features

- Solves sophisticated and highly customizable integration needs to and from Workday applications
- Rich, graphical development environment, including a drag-and-drop palette of purpose-built packaged components
- Unified framework for building, launching, debugging, monitoring, and troubleshooting
- Scalable and efficient processing of large data sets (up to tens of gigabytes)
- Advanced message processing capabilities, including change detection, complex looping, and branching logic based on dynamic data or external variables
- Database Loader for loading large volumes of data from relational database to Workday during implementation
- Customizable with Java, Spring, or third-party services
- Tight incorporation with Workday, including direct access to Custom Reports, CRFs, and Workday Web Services
- Integrations built in Studio can be published to and made available from within Workday applications

## Technical Specification

- Transports
  - > SOAP
  - > REST
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  - > FTP
  - > SFTP
  - > FTP/SSL
  - > Email
  - > AS/2
  - > Google Cloud Storage
  - > XMPP
  - > Custom
- Data Transformations
  - > XSLT
  - > Text-to-Excel and Excel-to-Text
  - > Text-to-XML and XML-to-Text
  - > XML-to-Java and Java-to-XML
  - > XML-to-x12 and x12-to-XML
  - > XML-to-CSV and CSV-to-XML
  - > XML-to-JSON and JSON-to-XMLFormatting  
Objects Processor for PDF & RTF
  - > File character conversions
  - > Base64-encoding & decoding
- Productivity Tools
  - > Web service message builder and tester
  - > WSDL and XML schema explorer
  - > XPath expression builder
- Security
  - > PGP (encryption, decryption, & digital signatures)
  - > x509 (AS/2 encryption & digital signatures)
- Other
  - > File compression
  - > Document retention policy
  - > Filename sequence generator
  - > Database storage & retrieval
  - > Validation
  - > Error handling
  - > Logging
  - > In-memory tables



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