Workday Integration Cloud.

Today's hyper-focus on transforming digitally also means a re-architecture needs to occur—moving away from on-premise, siloed, and brittle architecture of the past. The trend to move to the cloud puts integrations front and center in any IT modernization agenda, to support agility and a more modular foundation.

Building a future-proof integration strategy is more complex than ever, due to the proliferation and constant change of applications and data sources that must all interconnect. Workday believes connectivity between applications and resources should be easy to create and able to evolve over time.

That's why we developed Workday Integration Cloud: a complete solution for building, deploying, and managing integrations to and from Workday. An integration Platform as a Service (PaaS), Workday Integration Cloud is a foundational element of the Workday technology stack and is powered by an embedded enterprise service bus (ESB) at its core. To help accelerate your integration development process, Workday Integration Cloud provides:
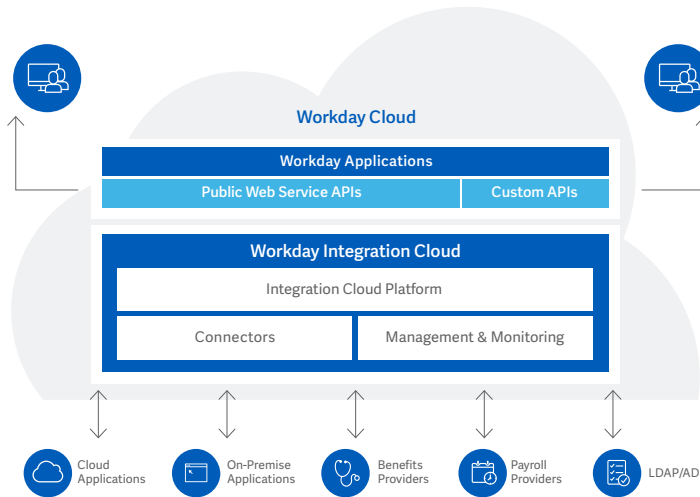
- Connectors: prebuilt integrations to non-Workday systems

    - Packaged integrations: integrations managed by Workday and our partners

    - Configurable connectors: integration templates

- Development tools for building complex and custom integrations

    - Enterprise interface builder (EIB)

    - Workday Studio

- Management and monitoring tools

Key Benefits

- Eliminate the need to own or manage additional on-premise or cloud integration middleware by deploying integrations to the Workday enterprise-class integration platform

- Leverage a catalog of prebuilt integrations and integration templates

- Accelerate custom integration development by using tools optimized specifically for creating Workday integrations

- Empower nontechnical business employees to create custom integrations without coding
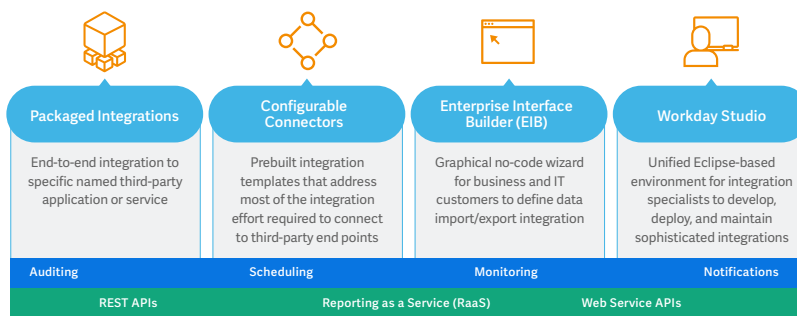
Native to Workday.

Integrations work best when they are a native and seamless part of an application platform versus bolted on, so we've enabled integrations to be surfaced naturally throughout our applications. You can manage, monitor, and launch integrations all from within the Workday user interface (UI). At the heart of Workday is the business process framework (BPF), a powerful tool for managing workflow across your organization. You can configure the BPF to seamlessly orchestrate integrations, and leverage it for approvals and other workflow steps.

Workday Cloud

Workday Applications	
Public Web Service APIs	Custom APIs

Workday Integration Cloud

Integration Cloud Platform

Connectors	Management & Monitoring

Cloud Applications · On-Premise Applications · Benefits Providers · Payroll Providers · LDAP/AD

Workday Integration Cloud.

Streamlined deployment.

Workday Integration Cloud lets you deploy and run integrations on the scalable Workday cloud infrastructure, simplifying your IT footprint and eliminating the need for on-premise or cloud middleware. For our deployment partners, the Workday Integration Cloud helps streamline and speed deployments by enabling all integrations built and deployed for multiple customers to leverage the same technology and tooling. And the Workday Community portal provides a place to easily collaborate and exchange integrations because all customers are using the same version of Workday Integration Cloud.

Packaged Integrations	Configurable Connectors	Enterprise Interface Builder (EIB)	Workday Studio
End-to-end integration to specific named third-party application or service	Prebuilt integration templates that address most of the integration effort required to connect to third-party end points	Graphical no-code wizard for business and IT customers to define data import/export integration	Unified Eclipse-based environment for integration specialists to develop, deploy, and maintain sophisticated integrations

Auditing	Scheduling	Monitoring	Notifications

REST APIs	Reporting as a Service (RaaS)	Web Service APIs

Workday solution for integrations.

Workday solution for integrations.

Workday offers a complete fit-for-purpose toolset for integrations, to scale, interconnect, and support the latest industry standards, protocols, and formats. The integration platform supports open-standards-based connectivity to virtually all types of business applications and data, and is provided as a native part of Workday at no additional cost.

Tooling and APIs for all your integration needs.

Our customers have a diverse range of integration needs and development skill sets. With this in mind, we provide integration development options that range in complexity from simple configuration to complete build-from-scratch capabilities. Our tools are specifically optimized and continually enhanced to help you efficiently create integrations to and from Workday.

We provide a comprehensive array of hundreds of SOAP- and REST-based web service APIs to use when building with Workday Integration Cloud or with your own integration platform. These open APIs provide access to business operations and processes across Workday functional areas, as well as to core reporting capabilities and integration monitoring.

Workday APIs are fully versioned, ensuring that your integrations continue to function across future Workday updates. Additionally, they're protected by a single security model in Workday that spans all of our applications.

Overview of Workday connectors and tools.

To simplify and accelerate the process of integrating with Workday, we provide multiple prebuilt and configurable connectors.

Connectors.

Connectors are built, implemented, and supported by Workday and our partners. They are adaptable and configurable, dramatically lowering the time needed to implement integrations by providing everything required to integrate a third-party system with Workday, such as processing logic, data transformation, and error-handling routines.

Connectors deliver all the benefits of a fully hosted and managed SaaS application and run on the Workday cloud infrastructure, freeing you from having to maintain a separate integration infrastructure.

Workday, in conjunction with our partners, maintains these packaged integrations. We adapt them to address new features and functionality within Workday core applications (such as compliance updates), as well as update the tooling and technology powering these connectors. Additionally, we work with our partners to manage a joint roadmap to keep connectors up-to-date as their applications evolve.

For a complete list of certified connectors, please visit marketplace.workday.com.

Connector toolkits.

To address situations where a prebuilt, packaged integration isn't available for a specific third-party application, we provide a collection of configurable connectors to speed the creation of custom integrations. Included with each connector toolkit is all of the processing, logic, and error-handling required on the Workday side of the integration. Your developers simply complete the integration template by writing the logic necessary to connect the third-party system with Workday. With these connectors, integration specialists also have the flexibility to customize the orchestration of services within the connector to match specific integration requirements.

Enterprise interface builder.

The enterprise interface builder (EIB) addresses the majority of simple-to-moderately complex integration requirements. We designed the EIB as a no-code tool to empower both IT and non-technical business employees to address a variety of integration needs. Accessible from within the Workday UI, the EIB provides an easy-to-use, guided graphical interface for creating inbound and outbound integrations—without any programming.

Workday Studio.

For custom integrations involving sophisticated requirements, we offer Workday Studio: an integration design tool that provides a functionally rich graphical integration design environment. Integration specialists can drag and drop a variety of reusable components to handle routine aspects of building integrations. Integrations created with Workday Studio are deployed to and run on the Workday cloud infrastructure.

Management and monitoring.

Within the Workday UI, you can manage and monitor all Workday integrations, regardless of type. The same Workday UI enables both nontechnical business employees and integration administrators to:

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

Integration tools comparison.

ENTERPRISE INTERFACE BUILDER (EIB)	WORKDAY STUDIO
• Enables nontechnical employees to solve many common integration use cases	• Solves sophisticated and highly customizable integration needs to and from Workday applications
• Allows access from directly within the Workday application user interface	• Supplies a functionally rich graphical development environment, including a drag-and-drop palette of purpose-built packaged components
• Provides an easy-to-use, form-based graphical tool with no programming required—appropriate for business employees and analysts	• Can be customized with Java, Spring, or third-party services
• Exports data from Workday on a one-time or scheduled basis	• Provides a unified framework for building, launching, debugging, monitoring, and troubleshooting
• Bulk-performs a large number of tasks, or loads large amounts of data into Workday using Excel spreadsheets (such as hiring employees, supplier invoices, bonus data)	• Allows for scalable and efficient processing of large datasets (up to tens of gigabytes)
• Bulk-maintains for file type and email transport protocols	• Includes advanced message processing capabilities, such as change detection, complex looping, and branching logic based on dynamic data or external variables

EIB TECHNICAL SPECIFICATIONS

Transports
- SFTP
- FTP/SSL
- FTP
- Email
- HTTP/SSL
- AS/2
- Workday Attachment
- Amazon Simple Storage
- SOAP
- REST

Security
- OAuth 2.0
- PGP (encryption, decryption, and digital signatures)
- X509 (AS/2 encryption and digital signatures)
- Amazon KMS

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
- File name sequence generator

WORKDAY STUDIO TECHNICAL SPECIFICATIONS

Transports

- SOAP
- REST
- HTTP/SSL
- FTP
- SFTP
- FTP/SSL
- Email
- AS/2
- Google Cloud Storage
- Amazon Simple Storage
- XMPP
- Custom

Data transformations

- XSLT Streaming
- Text-to-Excel and Excel-to-Text
- Text-to-XML and XML-to-Text
- XML-to-Java and Java-to-XML
- XML-to-CSV and CSV-to-XML
- XML-to-JSON and JSON-to-XML
- Formatting Objects Processor for PDF and RTF
- File character conversions
- Base64 encoding and decoding
- BIRT PDF Printing

Productivity tools

- Web service message builder and tester
- WSDL and XML schema explorer
- XPath expression builder
- Workday Prism Analytics
- Salesforce Connector
- Splitter and aggregator
- Parallel processing
- MVEL, XPATH, XSD Validation
- Custom Java
- Enqueue messages
- XML diff

Security	• PGP (encryption, decryption, and digital signatures)
	• x509 (AS/2 encryption and digital signatures)
	• Amazon KMS
Other	• File compression
	• Document retention policy
	• File name sequence generator
	• Database storage and retrieval
	• Validation
	• Error handling
	• Cloud logging
	• In-memory tables

To learn more about Workday Integration Cloud, contact sales at workday.com/contactsales.

Services and support for successful outcomes.

With Workday, you're never alone. We offer deployment services, training, support, and continuous innovations to help you use Workday with confidence. Because each customer has different requirements, resources, and goals, we've designed our services to meet a variety of needs and learning styles to help you realize your desired outcomes in today's changing world.

Workday's commitment to your success doesn't end with a smooth deployment. As our customer, you're part of a powerful community of Workday teams, expert partners, and one of the most collaborative peer groups in the industry. From self-service resources and shared best practices to education and 24/7 support, you're empowered to get the most out of Workday today, tomorrow, and every day.

With Workday, there's no limit to what you can achieve.

For more information, visit workday.com/cx.