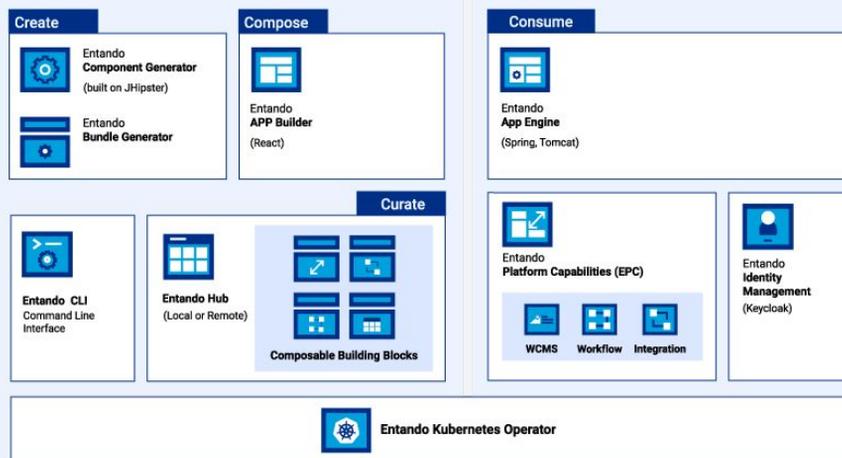


Entando is the leading open source application composition platform for a modern, cloud-native, and Kubernetes-native stack. It enables parallel teams to accelerate development, lower runtime costs, and streamline maintenance of business capabilities by assembling components into applications. The Platform consists of several services to build and run applications:



Entando App Builder

The user interface of the Entando Platform that hosts the Entando WCMS and provides a feature-rich low-code environment to configure and interact with components, design and create pages, manage content, and build applications.

Entando Component Generator

The Entando Blueprint is powered by JHipster and is one way to generate components for use in an Entando Application.

Entando CLI

The Entando command line interface provides a set of commands to accelerate common tasks such as Entando installation, code generation, and bundle management.

Entando Hub

A catalog of reusable, modular components built for the Entando Platform and easily deployed via the Entando App Builder.

Entando App Engine

The core runtime engine of an Entando Application which provides a set of core APIs, assembles and coordinates components, and furnishes the data access layer to persist page and application design.

Entando Operator

Provides installation and application lifecycle automation for Entando Applications, microservices and infrastructure services including databases and Keycloak.

Entando Identity Management System

Entando's Keycloak-based user management and authentication system.

Entando Platform Capability (EPC)

A packaged capability that adds functionality to the platform and/or additional UX controls to the App Builder.

Entando Benefits for Business and Development

Entando is designed for enterprises developing modern applications on Kubernetes and eager to adopt a fully modular and composable API-first/microservices architecture. The Entando Platform enables developers to create the building blocks of their applications (e.g. micro frontends and microservices) using their existing or preferred tools, languages, frameworks and cloud providers. Applications are assembled with a low-code UI from a repository of modular components or packaged business capabilities. Modules are pro-code templates that can be implemented as-is, configured or extended and reused across multiple applications.

Faster Time to Production
Accelerate updates, add extensions, and patch modules separately

Lower Cost at Runtime
Scale only the modules you need to

Code Reuse and Standardization
Leverage a low-code UI and pro-code templates governed by the Platform

Adapt to Changing Requirements
Update modules rapidly or start with an MVP and add more components over time

Breakdown the Skills Gap and Shortage
Use any language, framework and runtime for each microservice or micro frontend on a per-component basis

Streamline Security and ALM
Isolate bugs and security/feature updates to specific modules, then manage individually

Compatibility & Features

Entando is a modern development and runtime platform that allows applications to be built from a set of predefined modular components. It includes tools to CREATE components, CURATE a component repository, COMPOSE applications from pro-code components with a low-code UI, and CONSUME the applications in a cloud runtime environment on Kubernetes.

Platform

- REST APIs
- Caching
- Search indexing
- Cloud deployment
- Analytics
- Business Process Management (BPM) integration
- Data abstraction layer
- Integration adapters
- Pro-code tools (CLI, Component Generator, PBC builder)
- Composition layer
- API Claim framework for connecting MFEs and microservices

Application Management

- Page designer for low-code composition with drag-and-drop features
- Page preview
- Widget-based UI
- Responsive design support
- Agnostic approach to modern JavaScript frameworks (e.g. React, Angular, Vue)
- Template engine
- Multi-language support (i18n)
- Extensible via Entando Platform Capabilities (EPC)

Users and Authorization

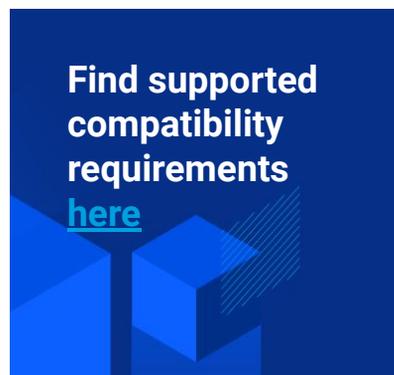
- Identity management via [Keycloak](#)
- Role/group-based access controls
- Centralized authentication
- User registration
- Standard Protocols (OpenID Connect, OAuth 2.0 and SAML 2.0)
- Single Sign On & Social Login

Content and Data

- Content and digital asset management
- Content and data types
- Content workflow
- Content versioning
- Content scheduling
- Content classification (taxonomy and facet-based navigation)
- Web form management
- Fast content editing
- Search Engine Optimization (SEO)

DevOps

- Kubernetes-native deployment
- Cloud-agnostic
- Bundle Template options via the Entando CLI
- Support for modern JavaScript frameworks (e.g. React, Angular, Vue)
- Microservice generation
- Data modeling via JHipster Domain Language
- Extensible blueprint framework via JHipster
- CI/CD integration



An Open Approach

Entando is committed to supporting our open source software community. We welcome contributions to the Entando Cloud Hub or the Entando Platform from our users, customers and partners.

The most direct way to engage with Entando is by reaching out with issues or requests. Let us know about bugs you have found, features you would like to see, or general suggestions for improvement. Learn about all the ways you can be part of the community here: bit.ly/EntandoContributions.

Find details on the product and official technical documentation at developer.entando.com. Discover the Entando source code at github.com/entando.

The Flexible Stack for Kubernetes

Entando supports cloud-native organizations with customized enterprise application architectures that employ CI/CD pipelines, pluggable modules and open APIs. Entando exposes REST APIs for all of the Platform's capabilities and services. Entando APIs simplify integration with legacy systems and enable multiple options for merging and migration. Third-party software can directly access Entando services to provide a rich integrated environment.

Data normalization and the decoupling of data from its presentation allow the reuse of Entando-built components and packaged business capabilities across all enterprise applications and platforms. This provides greater flexibility when adding specialized tools, either to an existing environment or processes or when building a new process-driven application.

New features available with Entando 7.3

Entando 7.3 accelerates your application development process and helps lower cloud runtime costs.

Key Features and Enhancements

New

Multitenancy 2.0

Tenants now have full bundle and registry functionality

In a multitenant environment, all tenants can access registries and install bundles independently, with data segregated and tied to the owner tenant. Bundles with microservices can also be configured with external DBMSs so the same bundle can be used across many tenants.

APISIX Gateway

Powerful and flexible tool to manage APIs

With a single configuration, developers can use APISIX gateway, a dynamic and scalable cloud-native tool, to improve security, decrease complexity, and perform IAM (Identity and Access Management) and rate-limiting functions.

ARM Architecture Support

Reduce costs

Entando can now run on Cloud ARM systems like Google GKE, Azure AKS, AWS EKS, and OpenShift. Developers can utilize Macs with M1 or M2 chips as well.

Enhancements

Create Tooling

Request resources for microservices

The new v6 Bundle descriptor can specify basic resource requirements, like CPU, memory and storage, enforced by the Entando Operator.

Runtime Enhancements

Micro frontend communication improvements

MFEs rendered in the portal UI can communicate with one another via mediator objects. A mediator library has been added so it can be included as a dependency during development and be accessible in the portal UI for all MFEs.

Compose Tooling

Expanded distributed editorial controls

The App Builder now allows more granular editing privileges with access by page or sub-sections of an application. When users log in, only the sections they have access to will be rendered in the page tree, where they can create or configure pages, upload assets and make edits.

Entando CLI

Enhanced CLI bundle functionality

The ent CLI can now be used to automate the upgrade process from v1 to the v5 docker-based bundles. With one command, the bundle structure, microservices, micro frontends, services, and platform files are converted. Some manual steps may be required.