


The Entando Marketplace

Fueling the Capability Economy through FOSS Contributions
and Empowering Community-driven Innovation

I'm Luca.

Composable Architect and
Technical Lead



 Luca Basile
luca.basile@entando.com
M. +39 3498728062

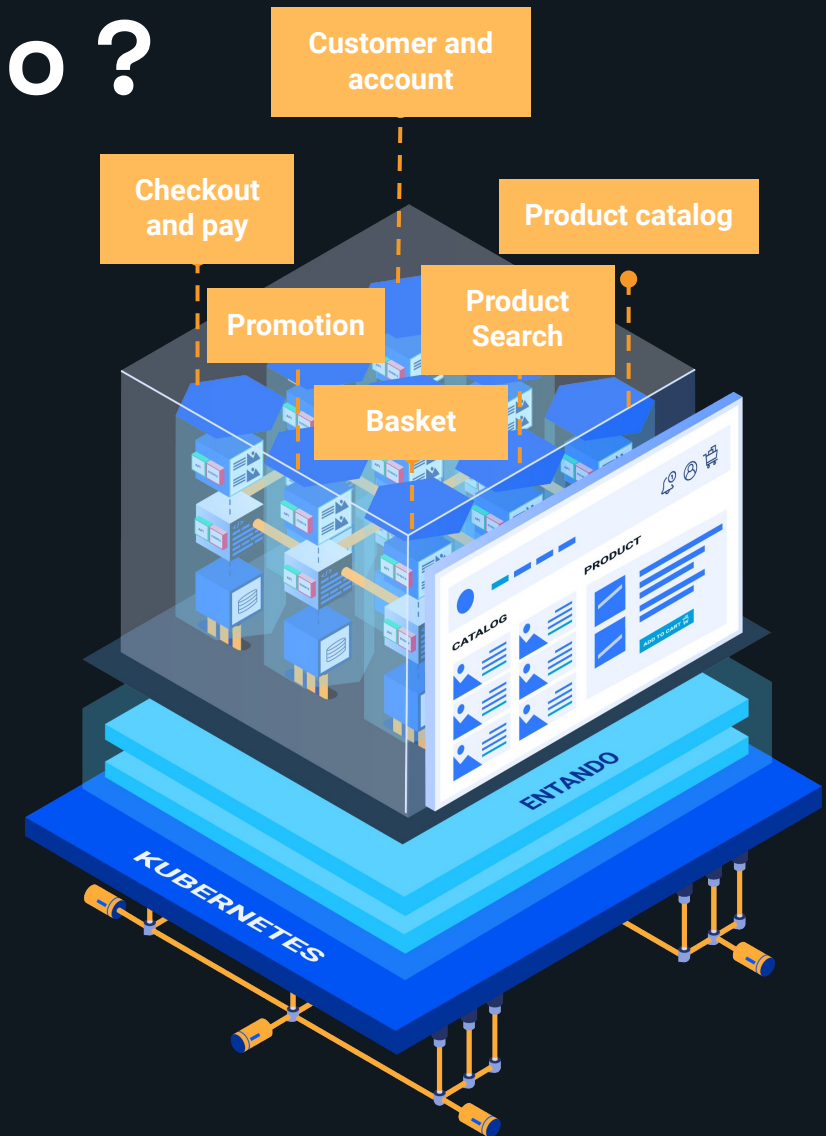
What is Entando ?



Composable Construction

We manage “the logistic” of the building blocks to create a composable application

We accelerate the development and delivery of composable and cloud-native applications across the cloud



Composable Applications

Entando Inc



FOUNDED IN 2015
Headquartered in
North America



INTERNATIONAL PRESENCE
Europe, North America



APPLICATION COMPOSITION PLATFORM
Recognized as Sample Vendor by
Gartner for the new ACP category in
the Cloud Services Platform.



INVESTORS

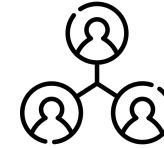
UW united
ventures


VERTIS SGR
Private Equity & Venture Capital



15M

Investment Capital
Raised (USD)



42+

Employees



22+

Customers

cdp

OCTO
The reliable way

EESERCITO

Red Hat

Elevance
Health

Garanzia
Etica
Credito, Consulenza
e Garanzia

LEONARDO

Posteitaliane

SARDEGNA

 Red Hat
Ready
Business Partner

vmware
PARTNER
STANDARD
TECHNOLOGY
ALLIANCE

2018 DIGITAL 360
AWARDS

Gartner
COOL VENDOR


CLOUD NATIVE
COMPUTING FOUNDATION

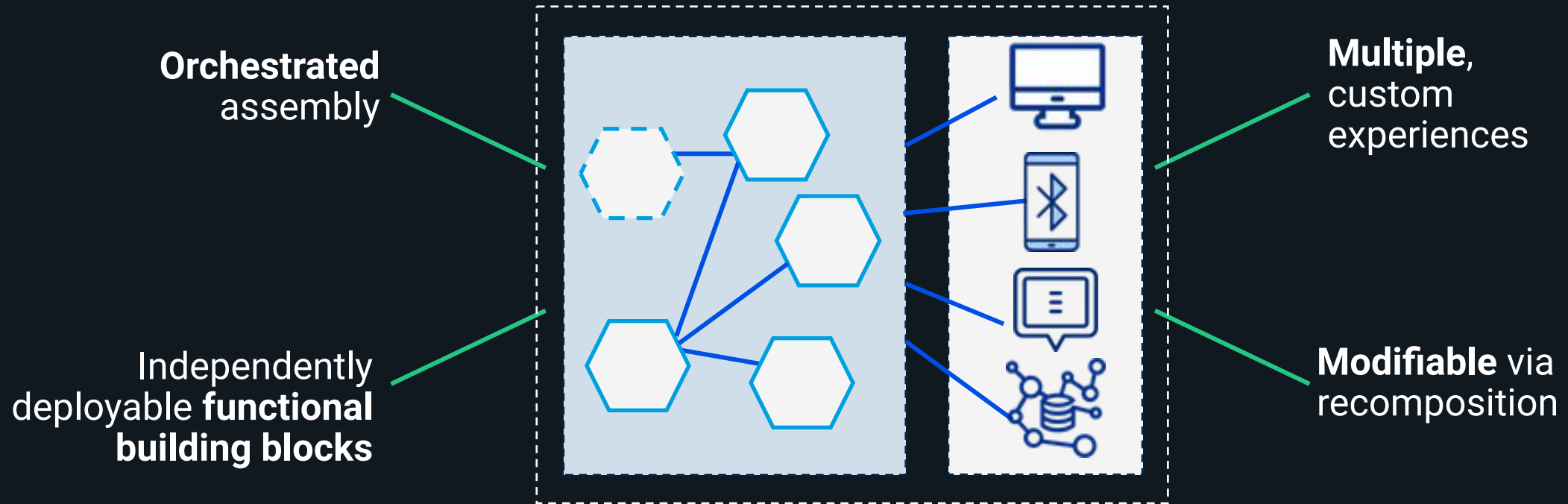
QUALITY SYSTEM CERTIFICATION
DNV
ISO 9001

What is a composable application?

According to ChatGPT:

“Composable applications are modular software systems that enable the flexible assembly, integration, and customization of independent components to meet specific business needs. These components are designed for reusability, interoperability, and scalability, promoting rapid development and adaptability.”

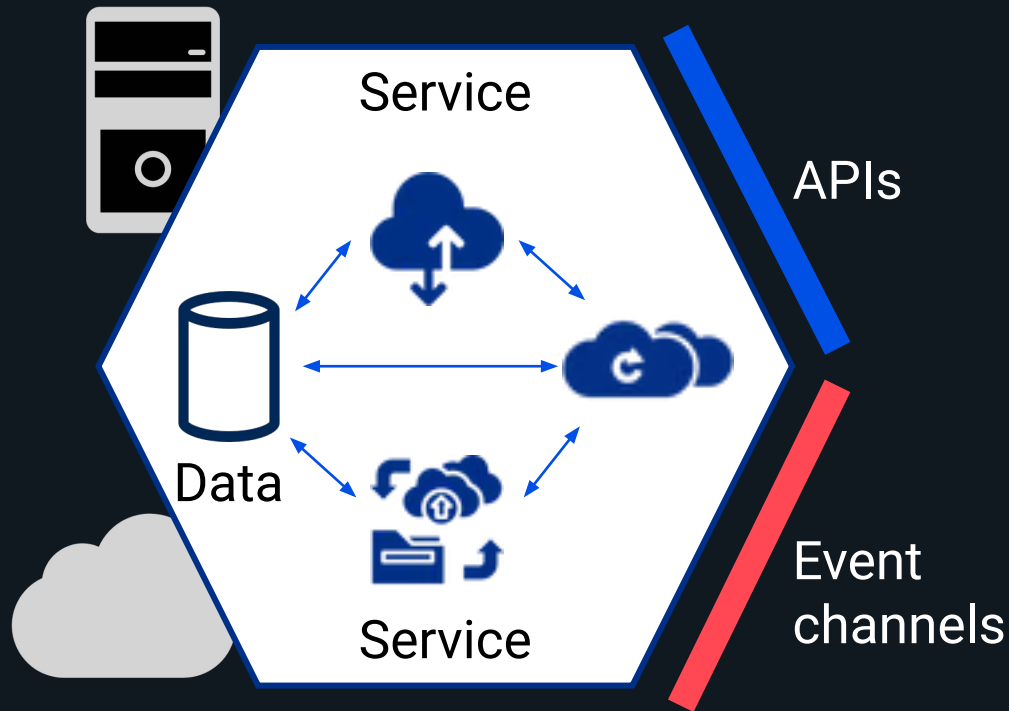
How Do You Know a Composable Business Application if You Meet One?



Created to meet a specific business need

The Foundational Elements of Composition

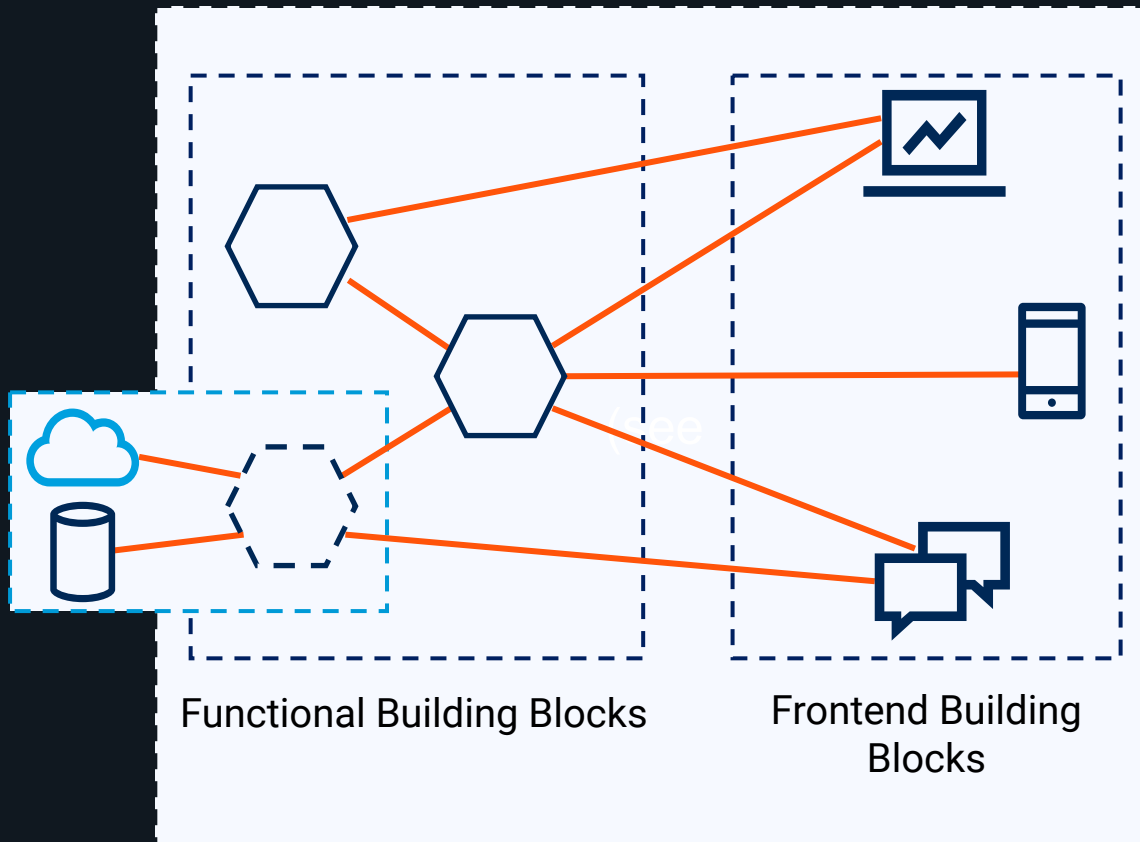
Native Functional Building Blocks



- What:** “Mini-applications” implementing a well-defined business capability
- How:** Combining fine grain services (e.g., microservices) and data
- Tools:** Pro-code, low-code application platforms, orchestration, APIs, events
- Who:** IT/LOB software engineers

The Foundational Elements of Composition

Composable Business Applications



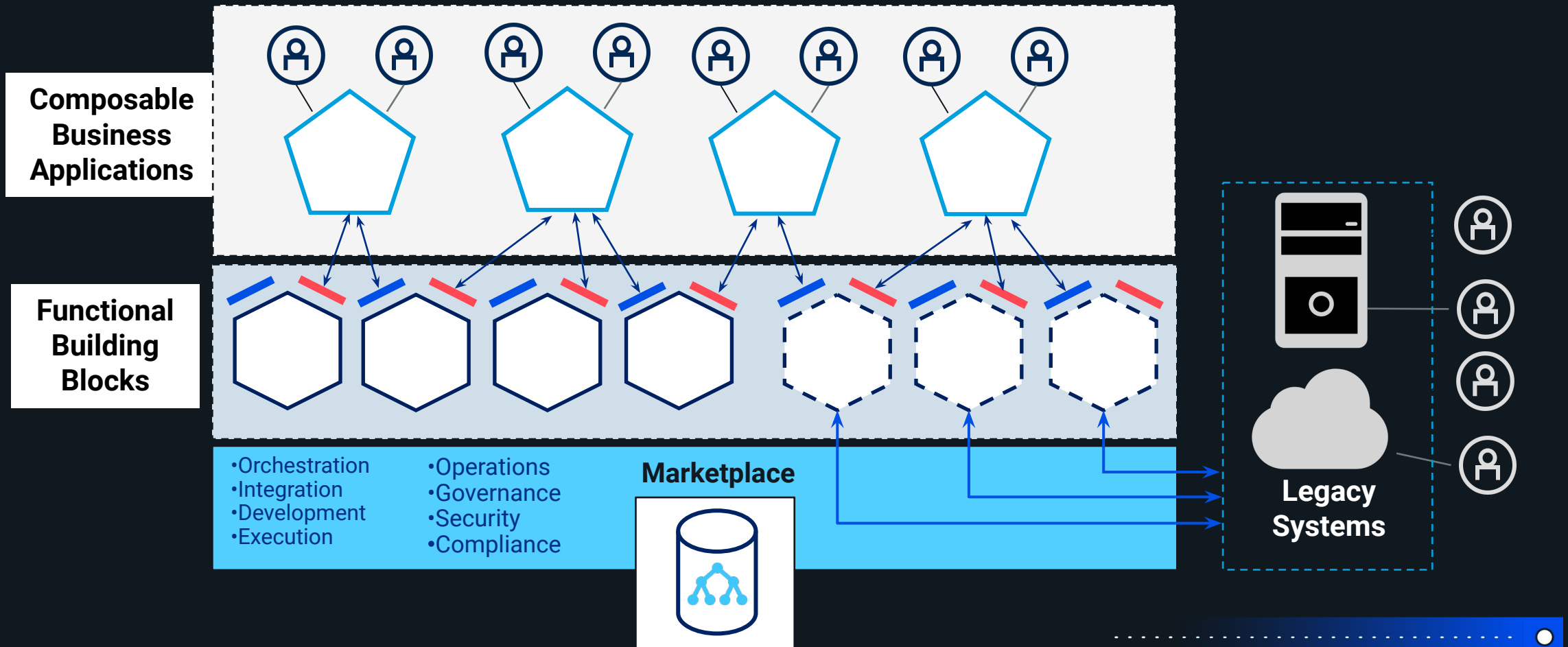
What: End-to-end, full business applications

How: Orchestrating functional and frontend building blocks

Tools: Low-code platforms, orchestration and automation tools

Who: Software engineers and/or business technologists

Composable Business Application & Technology Landscape



Who Is Engaged in Composable Business Applications?

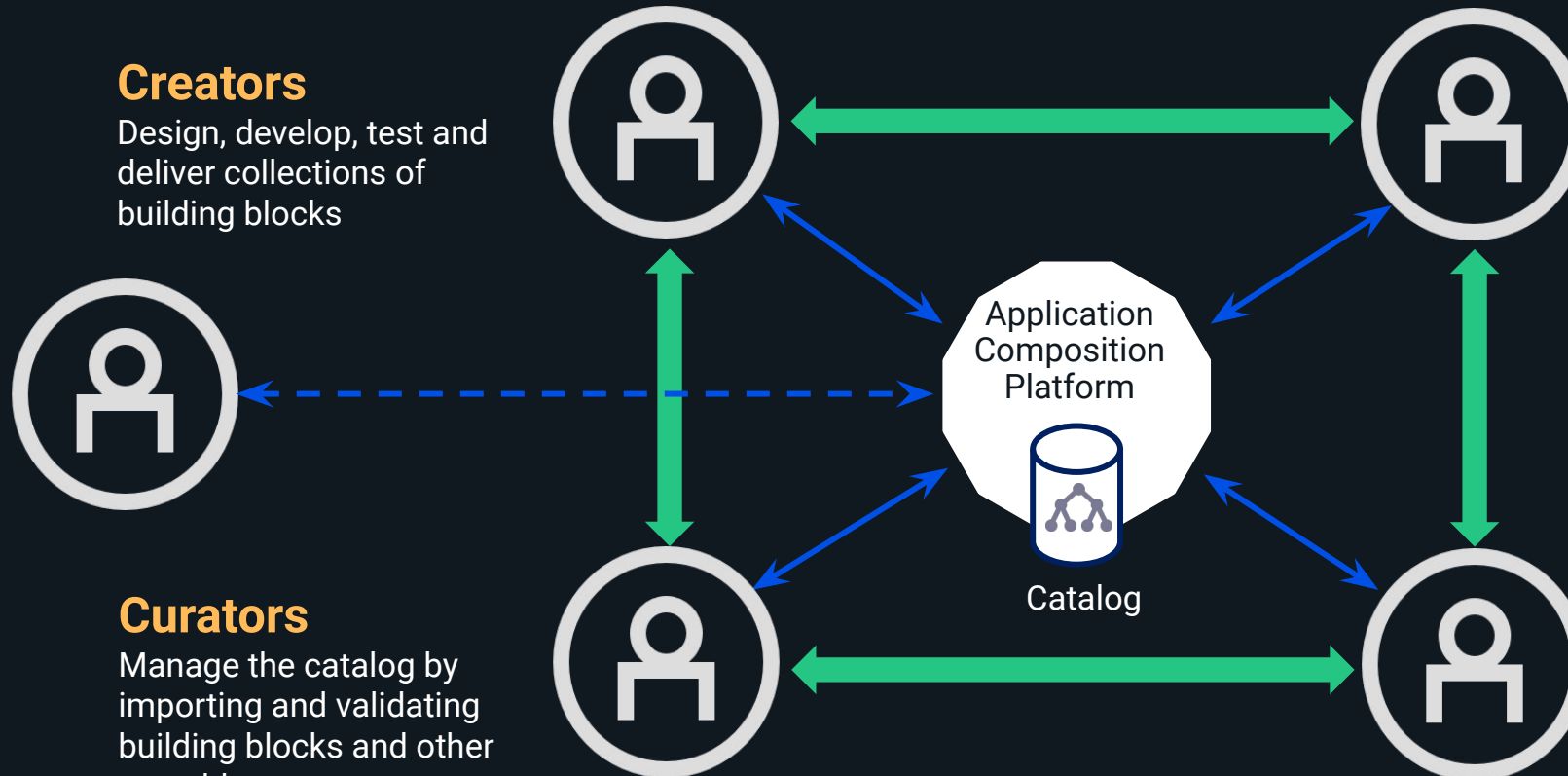
Enterprise Architects
Produce business capabilities maps

Creators
Design, develop, test and deliver collections of building blocks

Curators
Manage the catalog by importing and validating building blocks and other reusable assets

Consumers
Use the composable business applications, in case applying minor customizations

Composers
Assemble new composable business applications by orchestrating reusable assets



How Does an Application Composition Platform Looks Like?



Use Experience Layer

Creator UX

Curator UX

Composer UX

Consumer UX

Composition Layer

Asset Catalog

Orchestration

User Experience
Development

Building Blocks
Integration

Building Blocks
Development

Technology Enablers Layer

Metadata
Management

API Management
Event Brokering

Smart
Assistance

Data
Management

Operational Layer

Execution

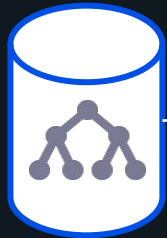
Operations

Security

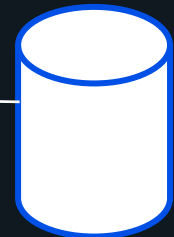
Compliance

Governance

AI Support

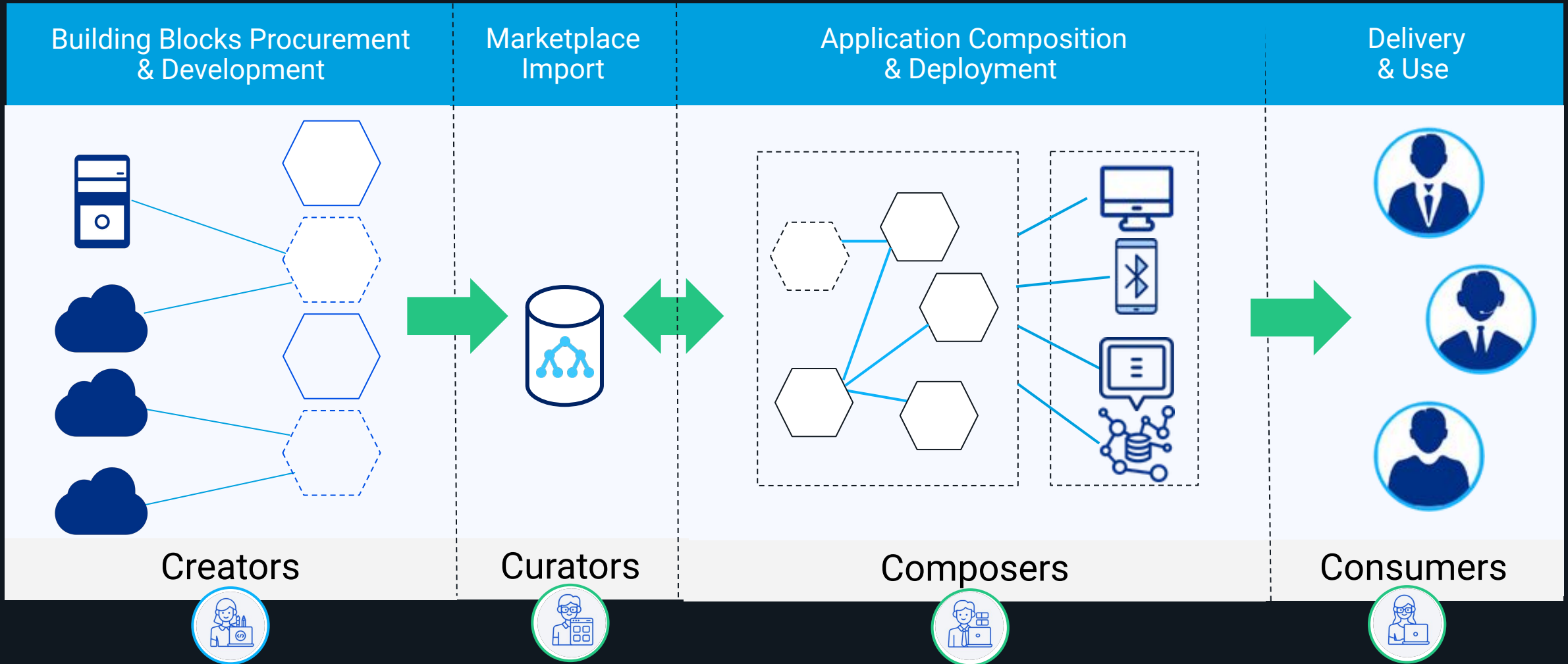


Marketplace



Data

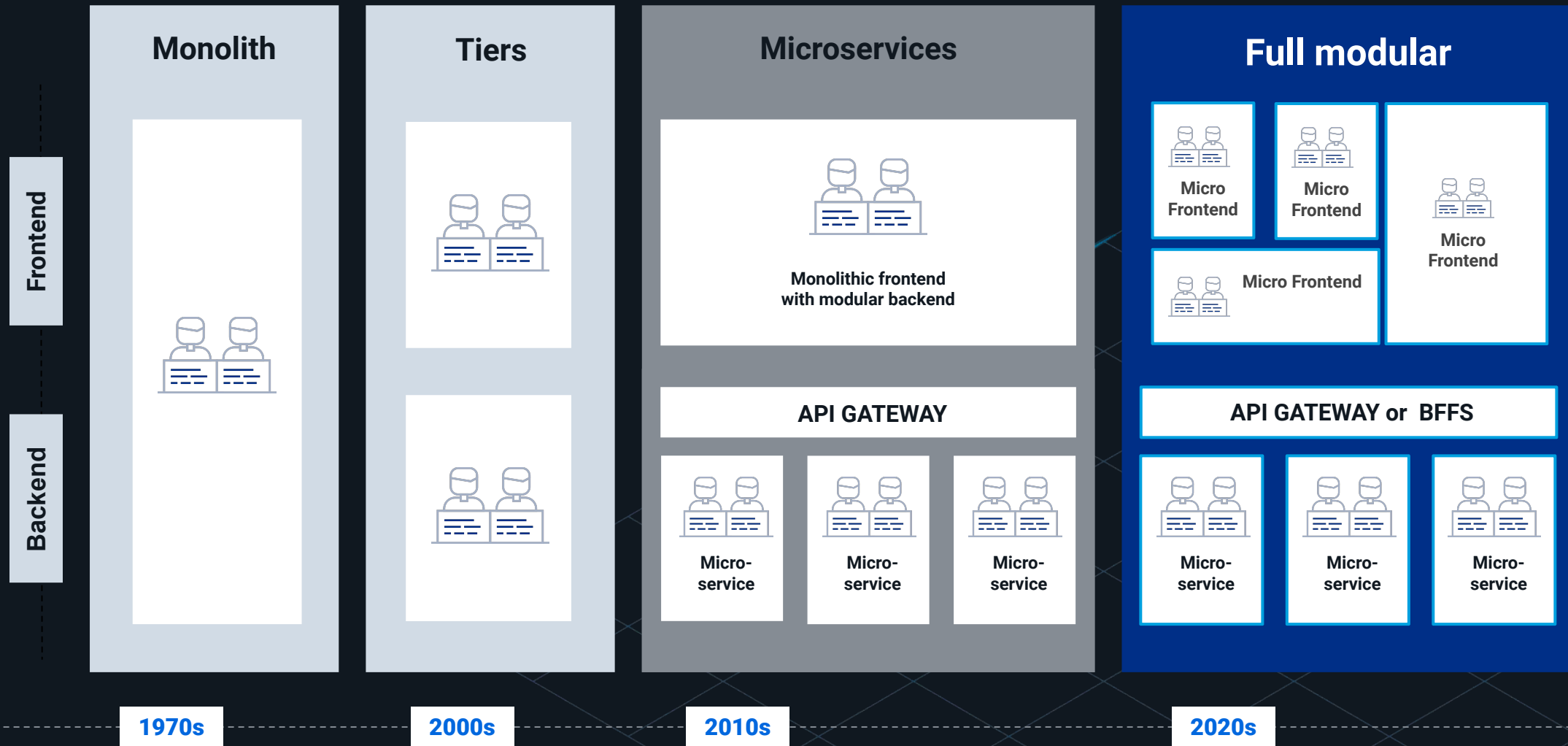
The Composable Business Application Pipeline



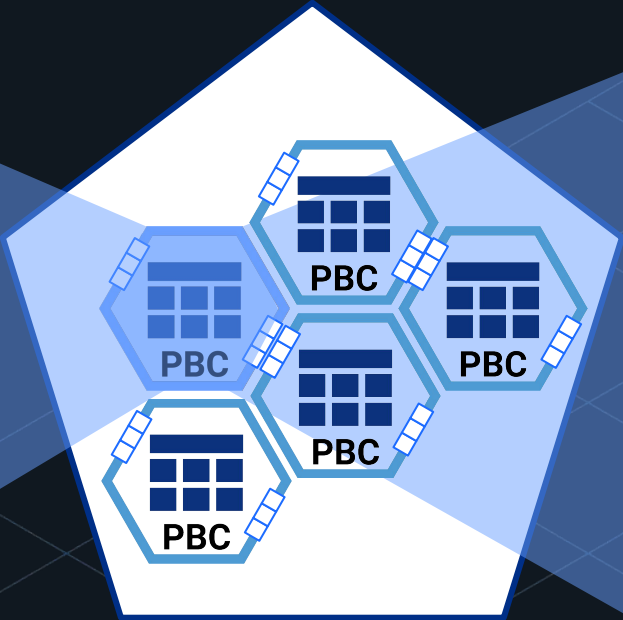
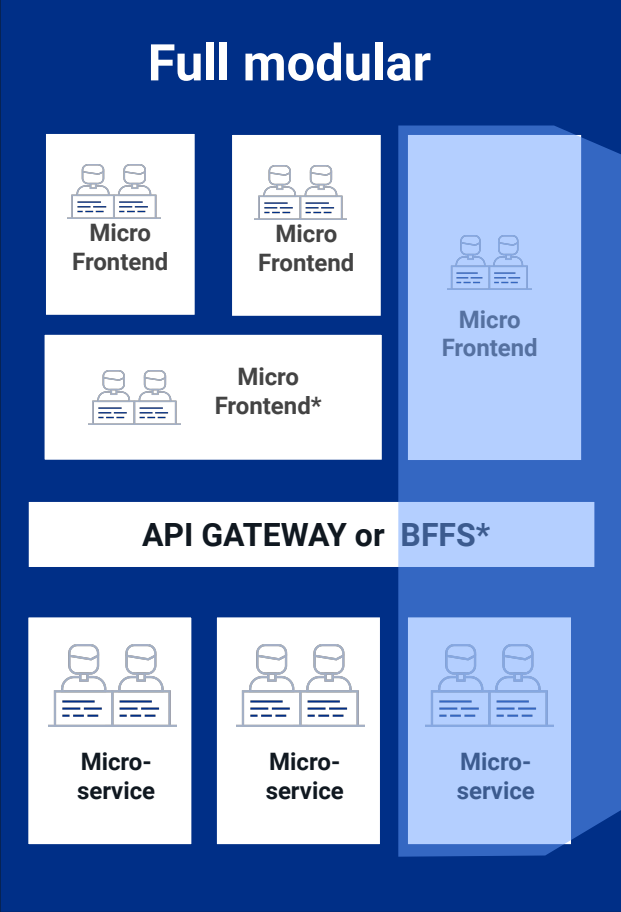
Entando Enables the Composable Lifecycle



Composable Architecture Require Full Modularity



Composable Require Full Modularity



Bundle



Entando
Deployment
Unit

Entando Platform

Create



Entando
**Component
Generator**
(JHipster)



Entando
**Bundle
Generator**

Compose



Entando
App Builder

Consume



Entando
App Engine



Entando
Identity Management
(Keycloak)

Curate



Entando
CLI



Entando
Hub
(Local or
Remote)



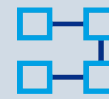
Bundle



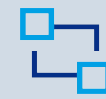
Entando
Platform Capabilities



Content



Workflow



Integration



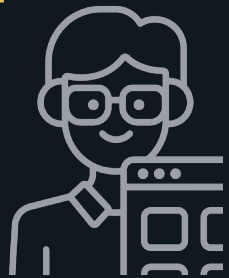
**Packaged
Business
Capabilities**



Entando Kubernetes Operator

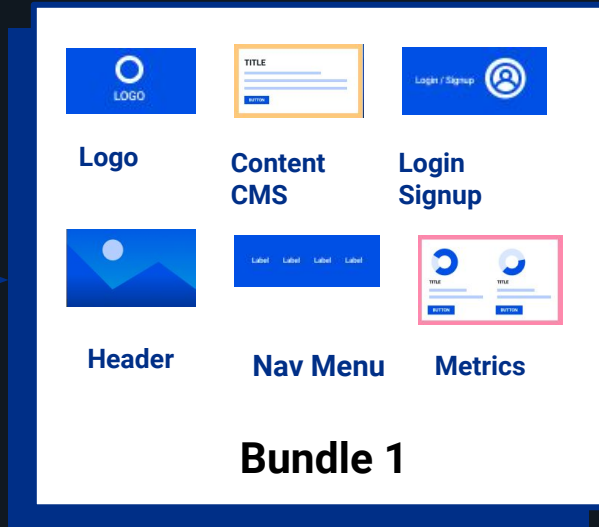
CURATE Components

Publish components and capabilities in the Entando Hub



Curator

Publish, Edit, Analyze,
Alert users of the
Entando Hub of
Components, PBCs and
Solutions



The Entando Hub

The Entando Hub is the public SaaS Hub instance which serves a public catalog of available PBCs and solution templates. See <https://hub.entando.com>

The screenshot displays the Entando Hub catalog interface. On the left, there is a 'Categories' sidebar with a search bar and a list of filters: 'All' (checked), 'Component Collection', 'PBC', 'Solution Template', and 'Single Component'. The main 'Catalog' area features a search bar and a grid of six items:

- Customer Portal**: Entando. Description: 'The Entando Customer Portal enables an organization to quickly provide a modern, self-service customer-facing...'. Tag: Solution Template. Version: 1.0.0.
- Hub**: Entando. Description: 'The Hub enables a team to share components across Entando Applications. It can be installed in Entando 6.3.2...'. Tag: PBC. Version: 1.0.0.
- NodeJS Microservice**: Entando. Description: 'This is a very simple bundle containing an MFE and Node-based microservice with Keycloak integration in both...'. Tag: Component Collection. Version: 1.0.0.
- Red Hat PAM Integration**: Entando. Description: 'The Entando Process Driven Applications (PDA) plugin is engineered to provide a rich and full-featured user...'. Tag: Solution Template. Version: 2.0.0.
- Standard Banking Demo**: Entando. Description: 'The Entando Standard Banking Demo is a demonstration application built from a set of Entando...'. Tag: Component Collection. Version: 2.0.0.
- Tableau Visualization**: Entando. Description: 'This is a basic Tableau Visualization widget with configurable settings so each widget instance can point to...'. Tag: Single Component. Version: 1.0.0.

Features:

- PBC Discovery
- Clear requirements
- Source Code Always available
- Role Based Access Control (RBAC)

Next versions:

- Enhanced PBC discovery
- Image scanning for Security check
- Monetization

Curate (and Leverage) Multiple Hub Types

Local Hub

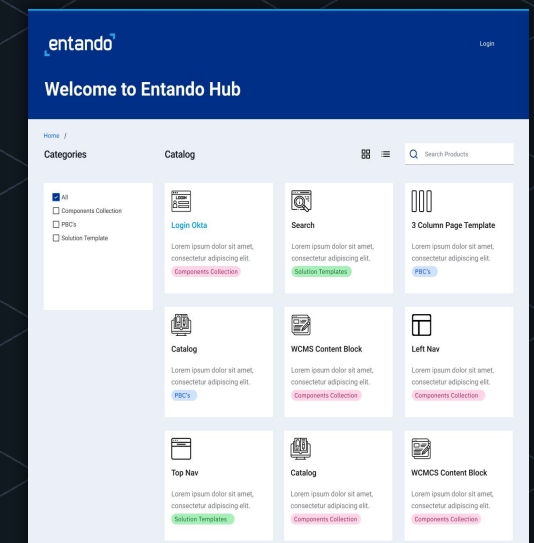
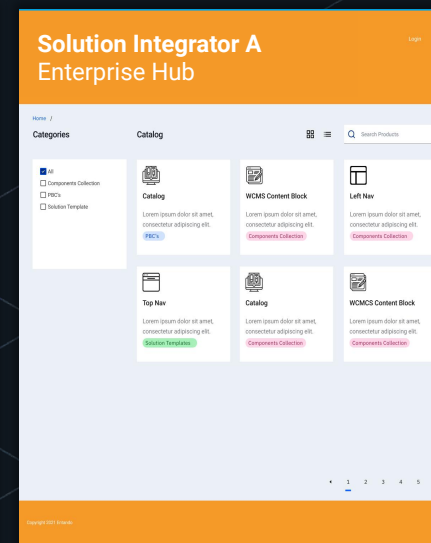
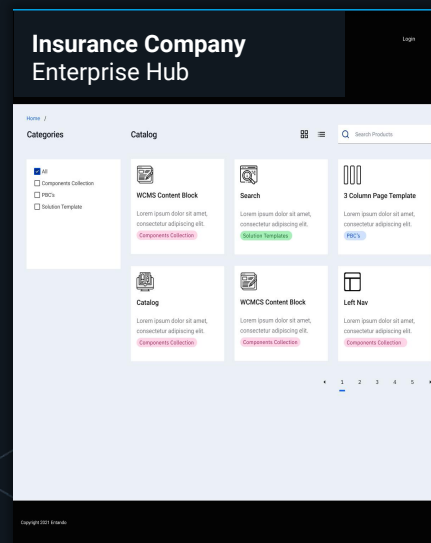
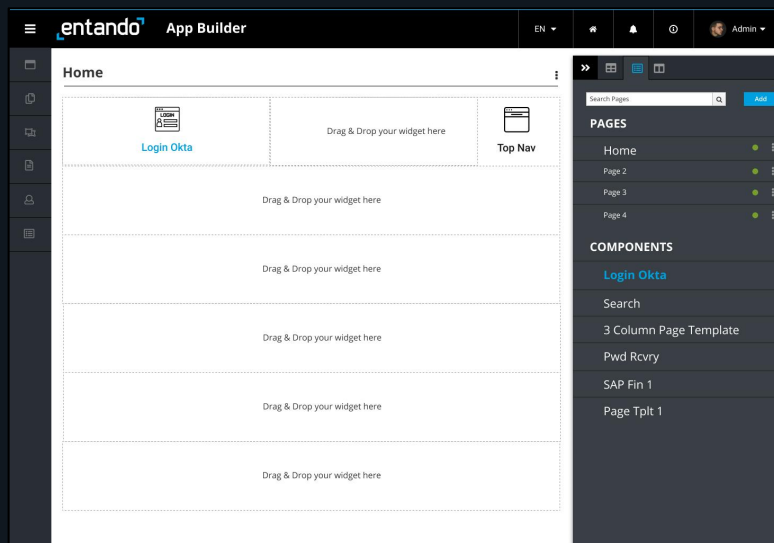
Included in the AppBuilder. Used to CREATE and compose applications from prebuilt components. Use components and PBCs as-is, configure, extend, or fork.

Enterprise Hubs

Developed and curated by either enterprises or their SI partners. Used to curate IP / PBCs / components and to control governance.

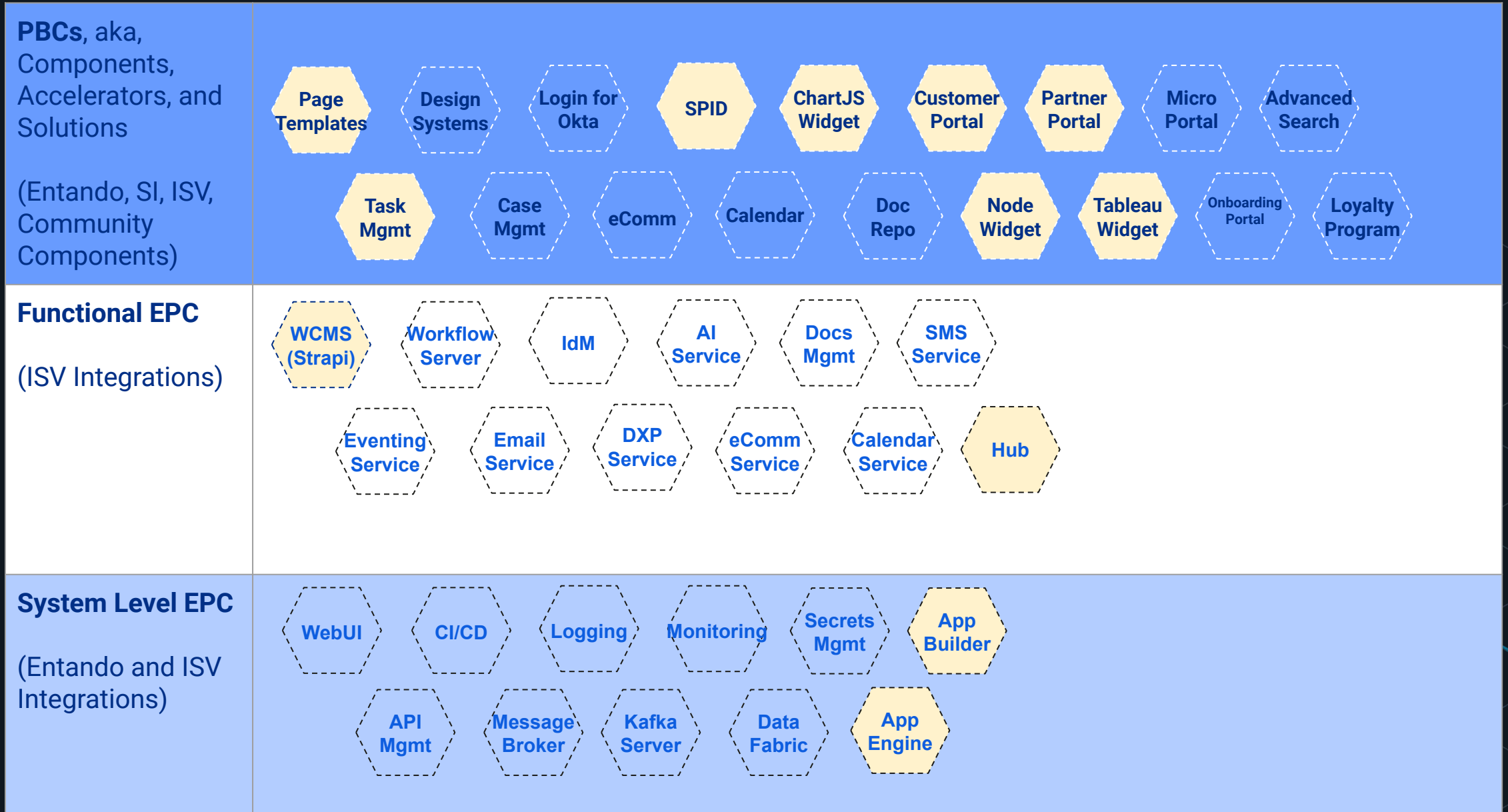
Entando Cloud Hub

Repository of public and private components and PBCs.



A single Entando Application Builder can leverage multiple Entando Hubs to build one or more applications

Entando Catalog Architecture



Want to contribute to the Entando HUB ?

- Follow our tutorials
- Develop your own PBCs using any Technology you like (if it runs in Docker, it runs in Entando!)
- Contribute to our community

Contact us

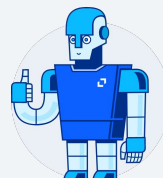


[Developer Portal](#)



mod squad

[Join our community](#)



[Join us!](#)

The image features a dark blue background with several abstract, colorful lines and shapes. On the left side, there are vertical bars in blue, yellow, and green, each with a white dot at the top. Horizontal lines in yellow, red, green, and blue extend from these bars towards the right. Some of these lines end in hexagonal shapes. A large, light-colored L-shaped frame is positioned on the right side of the image. The text 'Thank You' is centered within this frame in a white, sans-serif font.

Thank You