



Extended API Lifecycle Management with the ignite Platform

Executive Summary

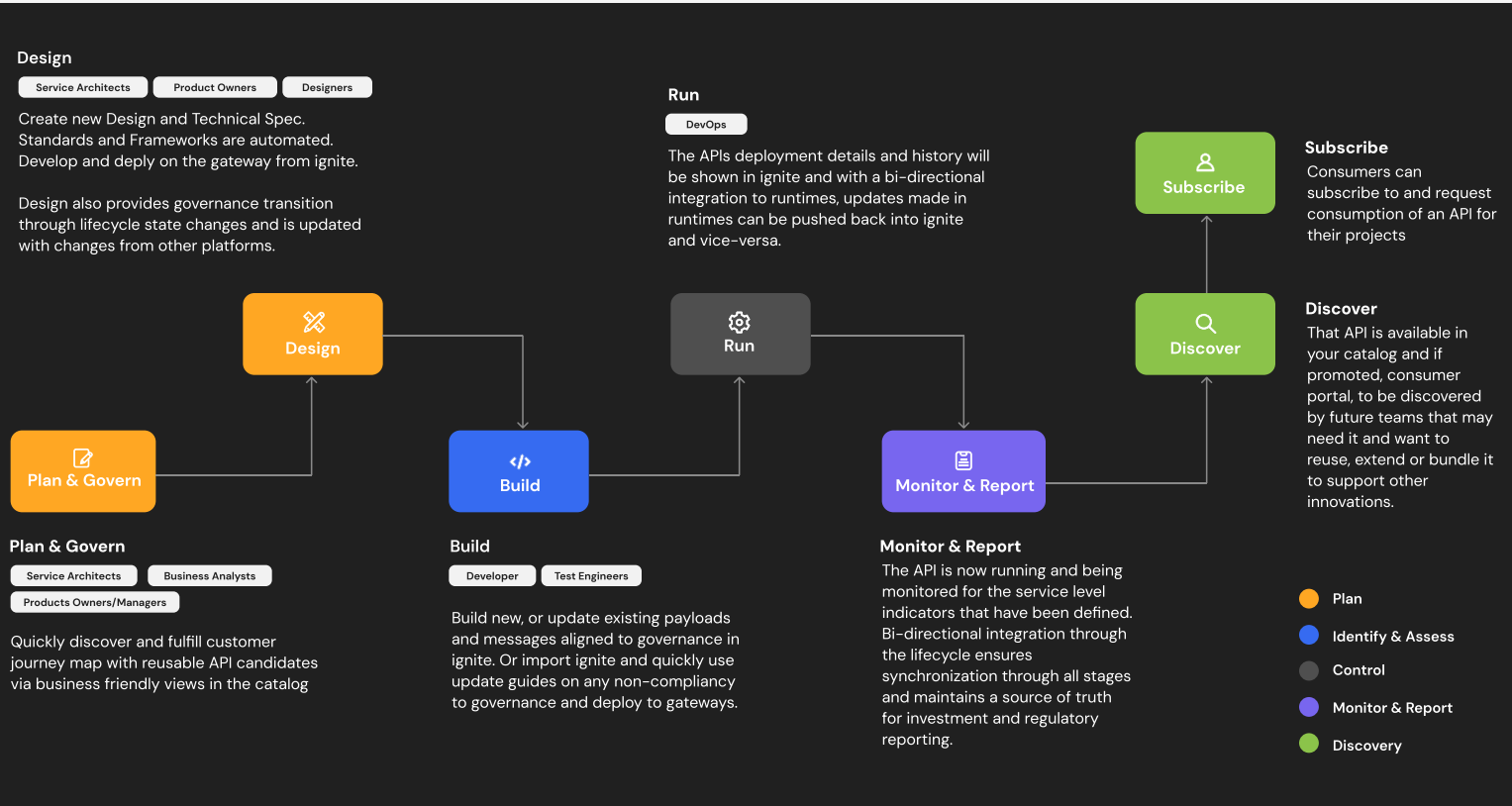
The enterprise API landscape is marked by growing complexity stemming from the proliferation of APIs across multiple environments and platforms. According to a report by Cloudflare*, APIs now constitute over half of Internet traffic, underscoring their critical role in modern digital infrastructure. This ever-growing network of APIs poses challenges for effective lifecycle management (and overall API program management).

As businesses push for greater digital agility, the reuse of APIs has become a common practice aimed at reducing development times and promoting innovation. There are additional lifecycle implications of this initiative; with multiple consumers consuming multiple API versions across the heterogeneous landscape.

And of course, enterprise's API inventories contain more than the gold standard reusable APIs. Organizations are looking to capture, track, manage, and where appropriate, safely modernize legacy, point to point, and more.

The ignite Platform's unique approach to tackling these factors extends API lifecycle management beyond the traditional plan, design, build, and run loop to demystify enterprise complexity while backing in standardization, common patterns, and flexibility.

ignite's lifecycle management capabilities enables core API teams to automate, optimize, and empower for increased efficiency and better management at enterprise scale.



*<https://www.cloudflare.com/en-gb/2024-api-security-management-report/>

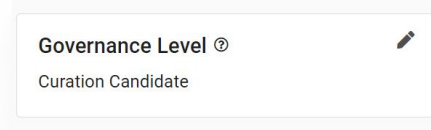
Key Features

1 Governance

Use ignite’s governance reporting to analyze your catalog contents and prioritize your design governance efforts. Easily understand if failures are basic metadata violations or important security risks that need to be immediately resolved.

ignite’s automated and configurable governance engine democratizes governance for your users. Use default or customized governance levels to group rules so that each API can be aligned to the standards appropriate for it’s use case, and quickly remediate any violations directly in ignite. Governance can be applied at the Design, Specification, and Bundle object level.

ignite also facilitates includes developer-level governance rules which can be connected to your repos for checking before APIs are harvested into the Holistic Catalog. Finally, ignite also helps you govern the consumption of your best APIs made available in Consumer Portals.



Label	Status	Value
Family: Required fields	Pass	
Family: Classifications	Failure	
Classifications	Failure	0
Method Classifications	Warning	Click for details
Family: Methods	Failure	
Family: Technology	Pass	
Platforms		

2 Integrated Policy and Key Management

Apply and track security and other common runtime policies to any Specification in ignite. And manage API key access for users to test APIs in the Consumer Portal, as well as capturing key details for API access requests.

3 Versioning

Implement robust API versioning best practices. ignite nests all API versions (in any format) under a centralized Design. Users can either clone new versions from existing Specifications, or start new versions from scratch. New versions in the repo are also automatically harvested into ignite and updated with any relevant metadata by ignite.

Specifications			+ Add New
Version	Description	Lifecycle	
1.2	Manages accounts - continuing financial relationship between a bank and a customer, in which deposits and debts are held and processed within a framework of established rules and procedure.	Design	
1.0	Manages accounts - continuing financial relationship between a bank and a customer, in which deposits and debts are held and processed within a framework of established rules and procedure.	Design	

5 Bulk Update

Easily and quickly update metadata fields across multiple Designs and Specifications. This is especially useful as you evolve your governance rules over time.

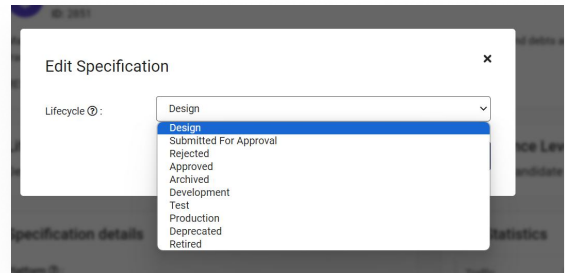
6 Domain Models

Ensure standardized payloads for REST APIs using domain models and reusable components. Import schemas and then enable users to make domain model references when they’re building out or updating Methods.

7 Lifecycle State Management

Lifecycle states in ignite provide an effective way to manage workflows, governance requirements, and ability to report on assets in your Holistic Catalog.

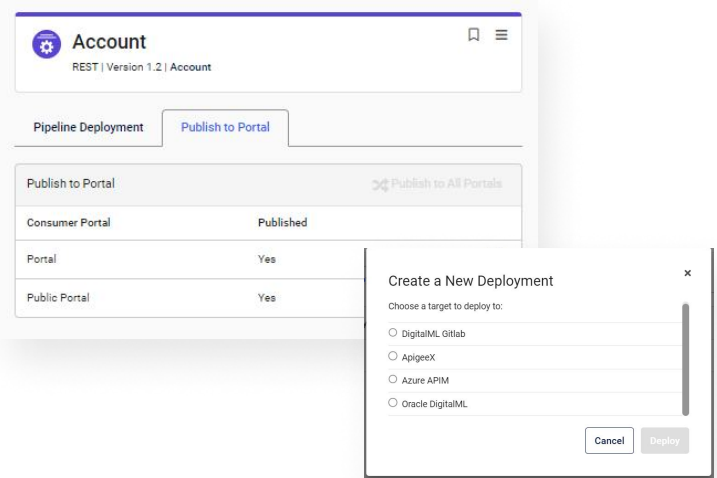
ignite's lifecycle states are completely configurable to match your enterprise's desired workflows and existing language. Define every aspect of your lifecycle states including valid transitions and availability based on certain conditions.



8 Deploy to CI/CD and/or Publish to Consumer Portals

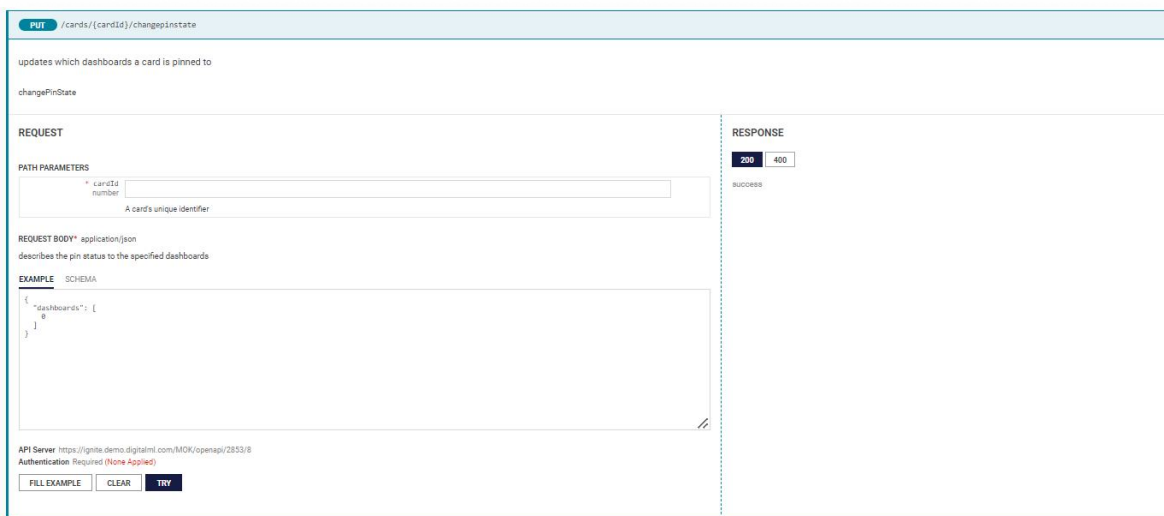
Publish your gold standard APIs to ignite's Consumer Portals where they are made available for adoption by your consumers.

Deploy (and quickly redeploy) new versions directly to your SCM repos and/or API gateways and proxies. Generate consistent contracts, configuration, SDKs, and documentation to help automate and standardize your pipelines with reliable artifacts.



9 Interactive Documentation

ignite supports interactive documentation for providers in the catalog, providing them a way to test their changes before they deploy direct from ignite.



10 SOAP To REST Conversion

ignite offers a way to import WSDLs as APIs, converting them into a REST equivalent in the catalog which can be used as a basis for migrating legacy services. Users can also convert SOAP payloads to JSON schema in one click.

11 Endpoint Management

Record and manage every endpoint for your APIs, and group endpoint types together, each with their own specific properties captured.

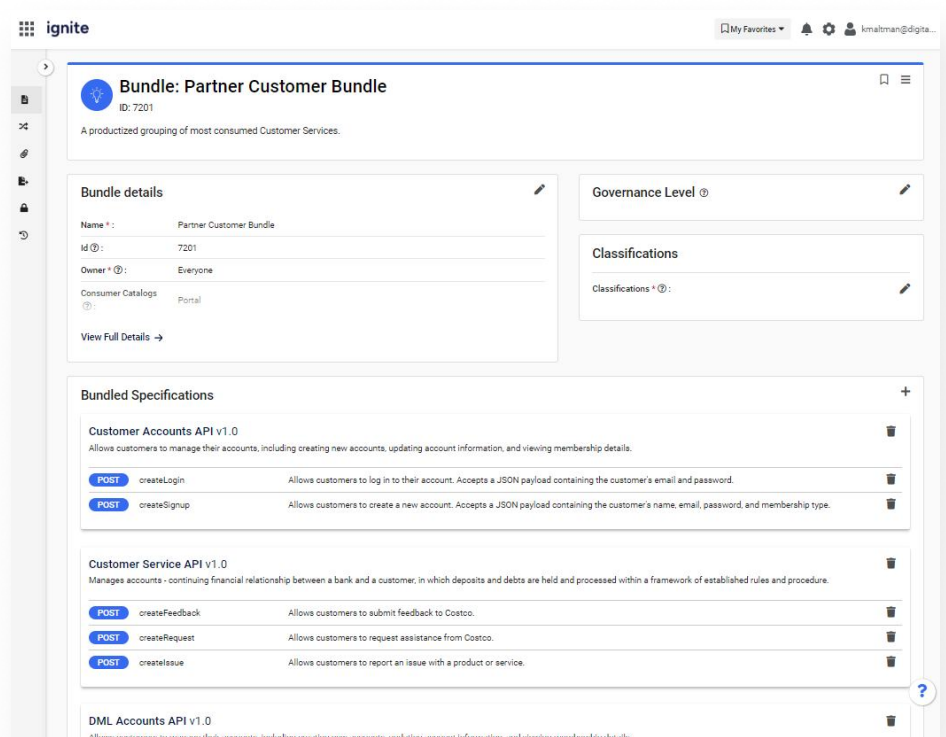
12 Audit History and Logging

Track changes made to your API portfolio over time including:

- Deployment feedback
- Object audit history on Designs, Specifications, Bundles, and Lineages
- System settings history
- Reference data history
- Harvest Service
- Jobs Queue

13 Product Bundles

Combine APIs or individual methods into reusable groupings supporting core capabilities. These can be directly exported from ignite for developers to work from or made available in the Consumer Portal.



14 Top Down Development and Change Management

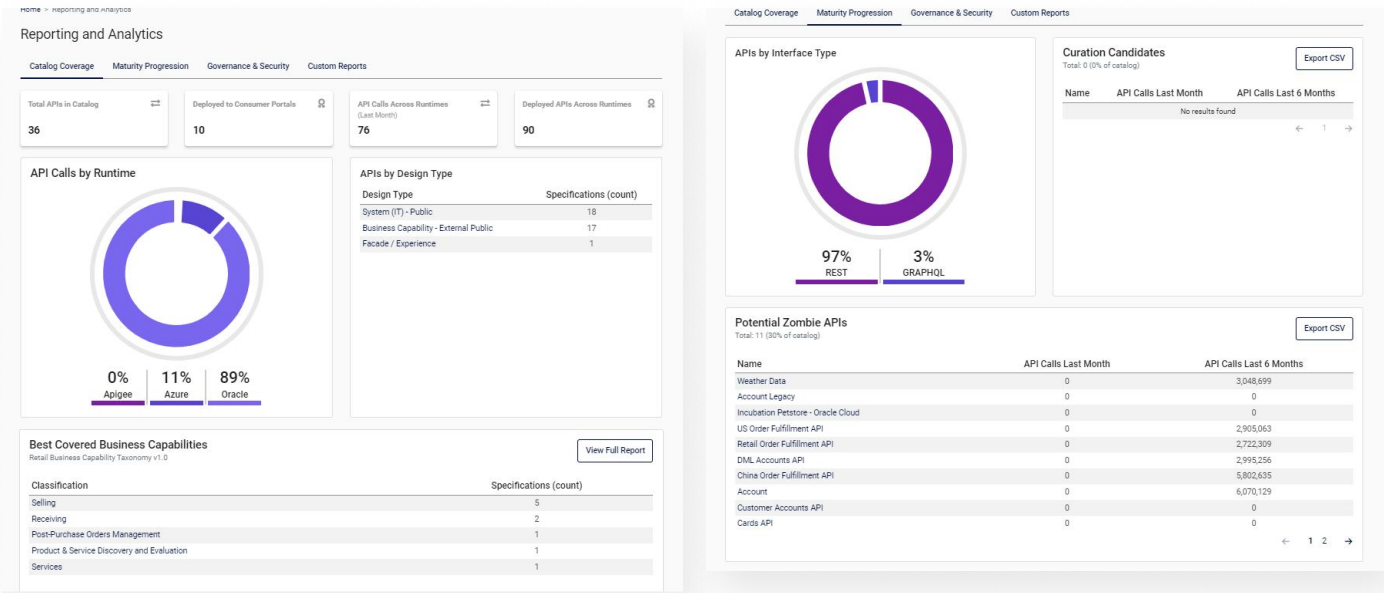
Incorporate API design-first and domain driven best practices if you want to create new APIs or update/version APIs directly in ignite. Use Designs to define your API's target state aligned to your business or industry taxonomy models, and then build them out in a consistent and well-governed way directly in ignite's low code UI. Use lineage to perform impact analyses to ensure production services aren't affected as you iterate your APIs, and versioning and governance to ensure changes are made in a secure and well-governed way before redeploying new versions to your pipelines.

15 Bottom Up Development Support and Change Management

Support developers working in the environments they're already comfortable in. Connect ignite to your SCM repos to harvest APIs built outside of your top-driven down processes. And for new versions coming in, update them with key metadata already held in ignite.

16 Catalog-Wide Visibility and Tracking

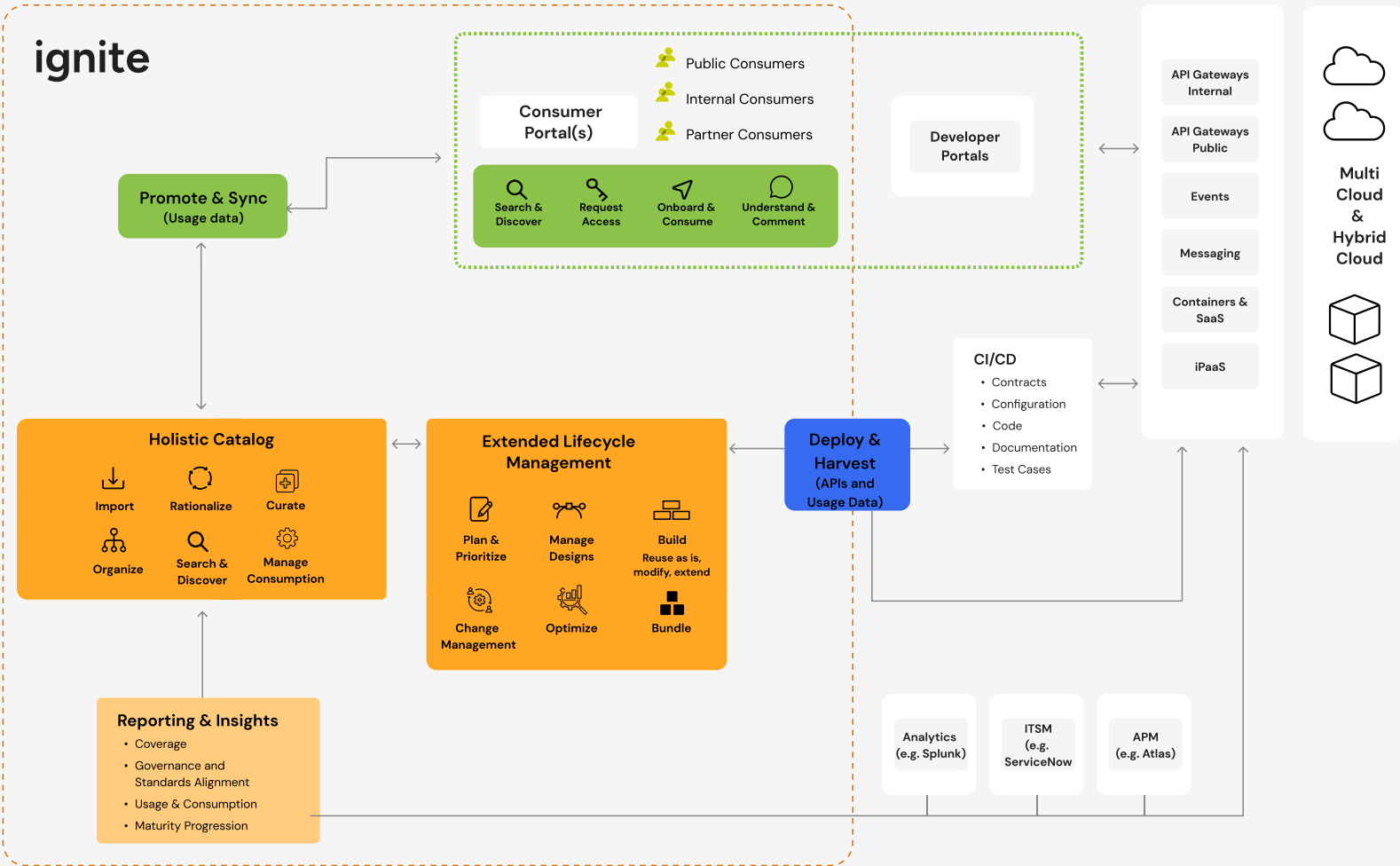
As your extended lifecycle management capabilities are tied to ignite’s Holistic Catalog, provide visibility into your maturity progression and efficiency improvement as a whole using ignite’s next-gen reporting. Effectively prioritize your next initiatives and make business decisions on the entire API portfolio, and accurately track your success over time.



Extended Lifecycle Management with ignite: Use Cases and Benefits

- Empowerment for developers, architects, consumer developers, and more: enabling a small core API team to provide enterprise and ecosystem-wide access to the entire API inventory
- Multi-gateway and multi-runtime flexibility: a vendor agnostic approach to APILM
- API portability across multi- and hybrid cloud: a quick and consistent way to refactor and redeploy APIs to realize runtime cost savings
- Compliance and regulation adherence and reporting: leveraging governance and security best practices in a democratized way
- Increased API adoption and reuse: secure, consistent, complete, and compliant APIs made available direct to varying consumer audiences
- Flexible API development: the ability to support both top-down and bottom-up development aligned to the enterprise’s standards and guardrails
- Modernizing (or simply managing) legacy: at scale and with the same best practices as your gold standard APIs
- Maturity progression: an optimized and efficient way to scale and mature the API inventory, done in a transparent and well-governed way
- Safely retire redundant or duplicate APIs: to increase efficiency and management cost savings and minimize security risks

Where ignite's Extended API Lifecycle Management Fits Into Your API Architecture



ignite's Extended API Lifecycle Management capabilities are directly connected to the ignite Holistic API Catalog as well as our API Consumer Portals. The Holistic Catalog provides a connected, unified, and actionable view of every API, Service, and Event you have, across all runtimes and lifecycle states. Meanwhile API Consumer Portals provide tailored consumption experiences for driving adoption and reuse of your best APIs across internal, partner, and public ecosystems.

ignite also integrates with your existing landscape components to provide a seamless end-to-end API management framework. Gain an active connection to repos and CI/CD pipelines, API gateways and runtime platforms, reporting aggregators, workflow and ticketing platforms, and more.

ignite is composed of three main platform areas

A Holistic API Catalog

Providing a connected, unified, and actionable view of every API, Service, and Events you have, across all runtimes and lifecycle states.

API Consumer Portals

Tailored consumption experiences for driving adoption and reuse of your best APIs across internal, partner, and public ecosystems.

Extended API Lifecycle Management

Capturing and demystifying API complexity, supporting common patterns, and automating API lifecycle management (including your legacy assets) at scale in a standardized and secure, yet frictionless and flexible way.

About digitalML

digitalML, creators of the ignite platform, have been providing solutions for large enterprises' needs for over 20 years. We're proud to combine our expertise in the space with cutting-edge innovation, helping you embrace new technology and trends that get the best out of your APIs. ignite customers have a unique opportunity to work with us to shape our platform roadmap: we value our customers as partners in our journey to building the best platform around.

To start your API maturity journey, contact

info@digitalml.com

for a personalized platform demo.

Learn more at digitalml.com

