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# Playbook: Enhancing your APIs to support Agentic AI consumption with the ignite Platform

With 90% of APIs not AI-ready, ignite delivers secure augmentation to make them consumable without sprawl or developer cost.

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# Table of Contents

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# Bridging the Gap Between Today's APIs and AI-Ready Consumption

**Agentic AI systems operate by chaining together "tools". In the enterprise context, these are almost always APIs. The functional capability of an AI agent is therefore bound by the APIs it can understand and execute. In most large organizations, this presents two blockers:**

- Insufficient machine-readiness: Existing APIs often lack the structured metadata, capability descriptions, and operational constraints that AI agents require to perform tool validation, parameter inference, and workflow execution.
- Platform fragmentation: Agent orchestration frameworks (e.g. Salesforce Agentforce, Amazon Bedrock, LangChain, MCP-based agents) each define unique conventions for API tool definitions, making manual enablement costly and inconsistent at scale.

The ignite platform addresses these by:

1. Securely augmenting APIs with AI to add machine-consumable documentation and metadata, without modifying their schema or redeploying, preventing additional sprawl and management complexity.
2. Generating multiple documentation views associated with a single API specification including:
   - AI Consumer Views specific to each agentic consumer: enriched OpenAPI specifications with task-oriented summaries, capability tagging, hypermedia controls, and invocation constraints.
   - Developer View: human-readable guides with domain context, example payloads, and error handling notes.
3. Making the enhanced APIs fully discoverable and consumable to both Agentic and Developer consumers
4. Tracking agentic consumers as part of a wider Holistic Catalog that shows who is using the APIs , to provide a complete view of relationships and dependencies, ensuring effective impact analysis and proper change management.

This approach removes the operational overhead of re-platforming or redeploying APIs during agentic AI initiatives, while maintaining centralized governance and control.

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# Why You Need a Unified, Vendor-Neutral Catalog

In most enterprises, APIs are distributed across multiple source systems, API gateways, and integration runtimes. Without capturing all APIs into a vendor-neutral catalog, AI-readiness work becomes fragmented and non-repeatable.

## ignite's Holistic Catalog:

Aggregates API definitions and metadata from repositories (GitHub, GitLab, Azure DevOps) and live runtime metrics from gateways (Apigee X/Edge, Oracle OCI, Azure API Gateway).

Continuously syncs with existing deployment workflows to reflect real-time operational state, including version changes and deprecations.

Normalizes heterogeneous formats (OpenAPI, AsyncAPI, WSDL, GraphQL) into an abstracted and consistent schema, enabling automated processing for AI tool generation.

Exposes dependency and lineage mapping, showing how APIs link to applications, agents, and composite workflows; critical for impact analysis and proper change management when evolving agent capabilities.

With ignite's Holistic Catalog, this aggregation into a centralized catalog becomes automated, governance-compliant, and actionable. ignite provides a single control plane for discovering, enriching, and tracking APIs for both human and AI consumption.

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# Steps To Make Your APIs Agentic AI ready without additional sprawl and developer cost

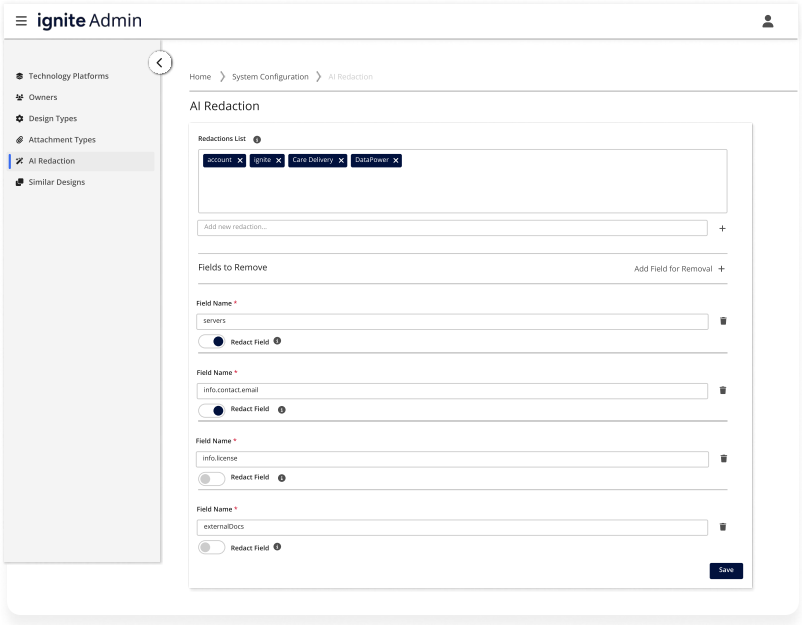
**Key Players:**
- Core administration team

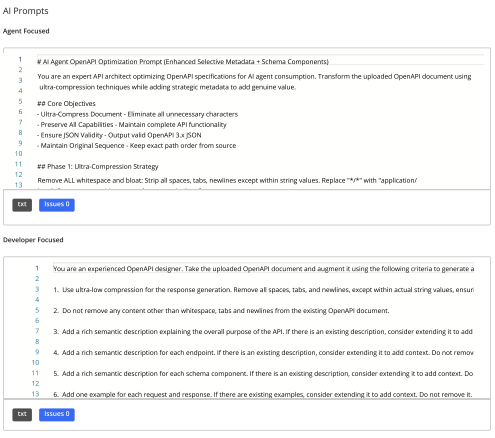
## Step 0 – Configuration

1. Configure Agentic Consumers in ignite. Define which Agent Builders your enterprise will be using. ignite currently supports Amazon Bedrock, Google Vertex, Salesforce Agentforce, LangChain, and Microsoft AutoGen . If you have a different target platform you can easily configure the system to support that.

2. Configure AI augmentation redaction and define prompts for use in GenAI tools

   a. Redaction List: a list of words that will be redacted from the OpenAPI document e.g. internal code names or confidential values.
   b. Fields to Remove: allows you to specify entire fields within the OpenAPI document to be removed or redacted whatever the value is.
   c. AI Prompts: allows you to view and edit the suggested prompts provided to your genAI engine during the augmentation process.



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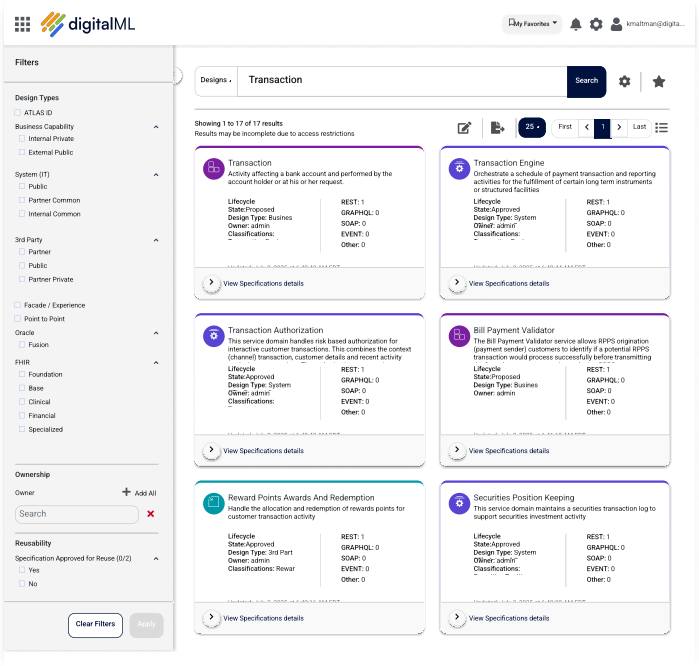
**Outcomes**: Centralized control of augmentation process, ensuring sensitive data and IP is not passed to your GenAI tools. Upfront definition of the agentic AI consumers your teams will be working with, providing self-service guardrails.

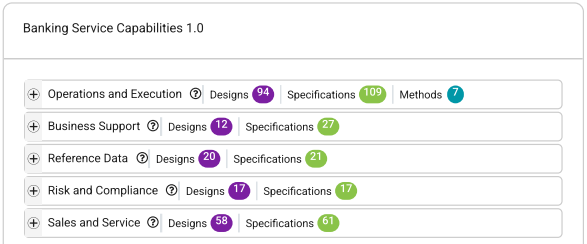
## Step 1 – Discovering APIs to Augment

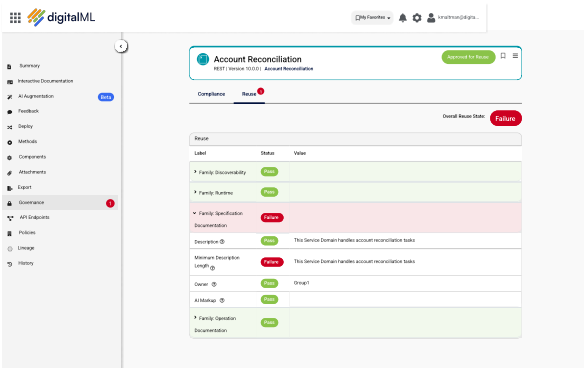
**Key Players:**
- Agentic Development teams
- Core platform teams
- Product Owners
- Governance teams,
- API developers

1. Natural language discovery of APIs across the entire Holistic Catalog. ignite offers several powerful ways for teams to discover APIs, including a Natural Language chat interface that takes a user's plain language query, adds additional context via Retrieval Augmented Generation (RAG), and then calls on the full power of a Large Language Model (LLM) to act as the translation layer between a business user and a developer to infer the most relevant query to construct that will return the best search results for the given context.
2. Other ways of discovery include via deep search on metadata, business and industry capability model classification taxonomies, application views, agent views, lineage views, and via ignite's Search API to expose your catalog contents where users are already working.
3. Users can easily decide if the API documentation needs augmenting using ignite's built in reusability scoring.




Taxonomies



**Outcomes**: Agentic reuse targets identified in minutes, not hours, with granular level of detail appropriate to the user and reusability scoring to make a decision if augmentation is needed.

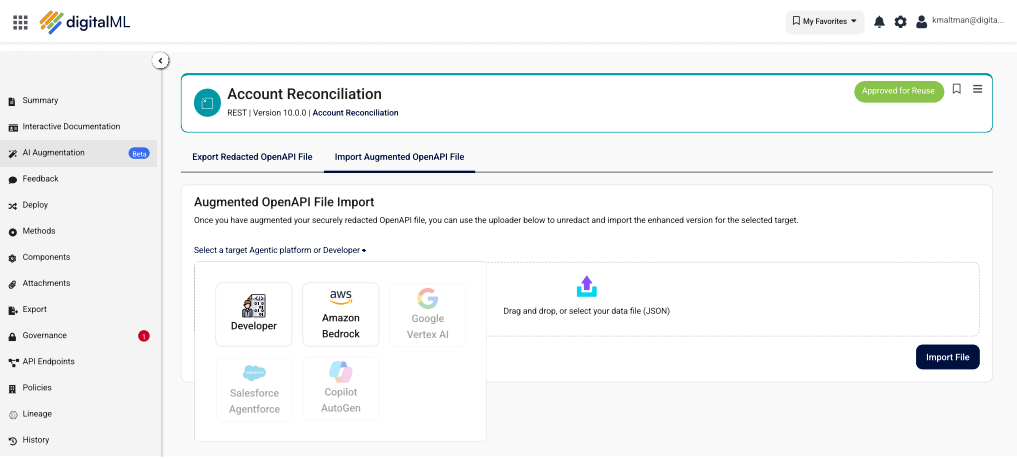
## Step 2 – Securely augment the API's documentation

**Key Players:**
- Agentic development teams
- Core platform teams
- Product owners
- Governance teams
- API developers

1. Redacted export and target selection. Use ignite to produce a JSON-formatted OpenAPI document with sensitive or non-essential content temporarily removed as per the guardrails configured in step 0. For Agent- focused augmentation, this is optimized for structured, machine-readable API "tool" consumption and is tailored to specific agentic builders (we currently support Amazon Bedrock, Google Vertex, Salesforce Agentforce, LangChain, and Microsoft AutoGen but ignite is configurable to support whatever platform you're using).

2. External AI processing. Use the generated prompt and exported redacted file in your existing genAI tool. The AI will produce an ultra-compressed augmented OpenAPI document to avoid token/size limitations.

3. Reimport & Application of Augmentations. Import Augmented File and confirm which agentic builder the documentation has been optimized for. ignite unredacts the file, restoring the original redacted content and merging the AI-provided augmentations into the active API specification.



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**Outcomes**: Enhanced documentation that's tailored for use as a tool for a specific agent builder, without altering the APIs structure and redeploying a new version. Done in simple configuration steps rather than a complex integration task. This is typically completed in a few minutes rather than days with manual augmentation.

## Step 3 – Expose enhanced API to AI agent

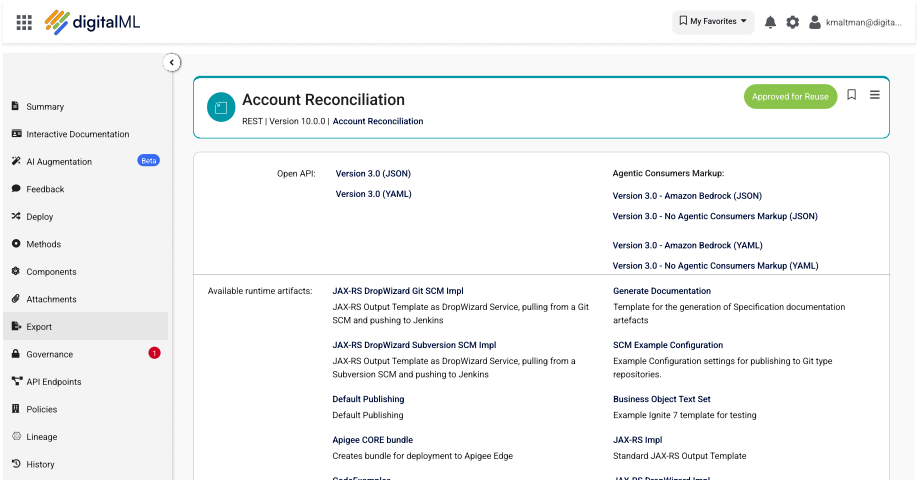
**Key Players:**
- API developers
- Agentic developers
- Core platform team

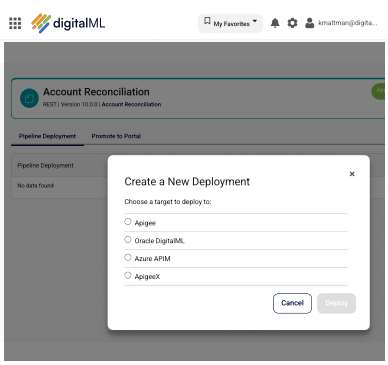
ignite is flexible to support agentic consumption workflows both current and future-state

1. Agentic developers can export the tailored OpenAPI specification from ignite and push it to their chosen agentic platform directly.

2. To give the API endpoint and credentials to agentic workflows directly, the updated spec can be redeployed out to production environments via the repo.

3. To support future-state agent auto-discovery from a separate AI-specific gateway, again you can redeploy the specification via ignite's connection to the repo.




**Outcomes**: Enhanced API documentation can be exposed to AI agents both now and in the future, regardless which workflow your organization supports

## Step 4 – Govern and Track Reuse

**Key Players:**
- Core platform team

1. Lifecycle parity is maintained automatically, ensuring that AI-focused and developer-focused documentation remain aligned as the API evolves.

2. Track agentic consumers in ignite alongside application and developer consumption to maintain a complete reportable view of who's using APIs and where they're being used.

**Outcomes**: Demonstratable value from API reuse by agentic AI as part of an organized, well-governed, and high quality API portfolio.

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# Example Use Cases

### Use Case: Rapid Tooling for Specialized Agents.

An agentic development team is building a financial compliance agent on Amazon Bedrock. They use ignite to discover an existing internal TradeMonitoring API. Within ignite, they augment this API, generating the specific manifest and OpenAPI specification required to make it a compliant and usable "tool" for the Bedrock agent, turning a complex integration task into a simple configuration step.

### Use Case: Cross-Platform Agent Strategy

An organization has a successful AI-powered customer support agent built on Microsoft AutoGen. They now wish to deploy a similar agent for their teams who operate within the Salesforce ecosystem. They use ignite to select the same portfolio of underlying corporate APIs (e.g., GetOrderStatus, CustomerInfo) and augment them for Salesforce Agentforce, ensuring consistent business logic while adapting effortlessly to the new platform's unique "tool-use" requirements.

### Use Case: Governance for Agentic Workflows

A healthcare provider is developing an AI agent to help clinicians by summarising patient histories. The agent needs to use an API to access sensitive patient data. Using ignite, the governance team augments this API with rich metadata defining strict usage policies (e.g., data masking rules, access justifications). This allows the AI Agent Workflow Platform to enforce these rules at runtime, ensuring the agent operates safely and in full compliance with regulations like HIPAA.

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# Conclusion: From API Chaos to AI-Ready Control Plane

Enterprises already have the APIs needed to power sophisticated agentic AI workflows. What's missing is machine-ready documentation at scale.

The ignite Platform closes this readiness gap without introducing the overhead of schema changes, redeployment, or uncontrolled sprawl and developer cost. ignite turns your existing API landscape into a reusable, governed, and AI-ready asset base, positioning your enterprise to deploy agentic AI capabilities faster, more securely, and with greater architectural consistency.

**Book an AI readiness assessment to see ignite's secure AI augmentation in action.**

**Book Now →**

**Calculate your potential cost savings using ignite's secure AI augmentation vs manual documentation enhancement in our free calculator.**

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# At a Glance: How digitalML Supports Large Enterprises

Preparing your APIs for AI agent consumption isn't a matter of tweaking documentation - it's a strategic transformation of your API portfolio.

That's where the ignite Platform from digitalML comes in. ignite is purpose-built to help large enterprises evolve from fragmented, developer-centric APIs to AI-ready, enterprise-grade API portfolios that are consistent, discoverable, and secure.

### 🔍 API Catalog and Discovery

Centralize and version all your APIs — regardless of source — in a unified, metadata-rich catalog that supports both human and machine discovery.

### ♻️ Compliance and Reusability Scoring

Instantly assess your APIs against AI-readiness standards. ignite automatically calculates compliance, reusability, and security posture, helping you prioritize improvements.

### 📊 API Reporting

With everything in one place, you can finally report on your full portfolio: coverage by capability, compliance to standards, usage metrics, and more.

### 👩‍💻🤖 Dual View Publishing

Generate tailored documentation views: one for developers, and one designed specifically for machine consumers like AI agents and LLMs.

### 🔲 Governed Lifecycle Management

Ensure consistency across teams and tools with customizable governance policies that enforce naming standards, semantic tags, and documentation completeness.

### 🛡️ Enterprise-Grade Security and Access Controls

Maintain strict control over API exposure while enabling safe discovery and consumption by AI agents.

With ignite, your APIs don't just exist — they become capability-first digital assets that AI agents and human developers can discover, understand, and act on reliably. That means:

- Faster time to automation
- Increased API reuse
- Higher ROI from AI initiatives
- And reduced risk from inconsistent or undocumented services

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For more information:

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