

Accelerating DevOps Delivery Through Self-Service



Productize your DevOps Deployments across the Organization

Productizing your DevOps deployments across an organization could be the single largest accelerator in cloud development and adoption within an organization. By thinking about DevOps infrastructure deployments as products, teams can build standardized, consumable, distributable, and repeatable infrastructure that can apply across the entire organization. Better yet, infrastructure development patterns can be established so that when new products are being developed, they maintain consistency with existing infrastructure products. This standardized approach allows for organizations to significantly reduce the amount of supporting infrastructure mechanisms (pipelines, configurations, identities, etc.) and spend more time developing products that provide value to the business and all of its stakeholders.



Accelerate and ensure consistency & compliance of deployments through Service Catalog

Few things are more important from a technical standpoint in financial services organizations than speed to market (via deployments), consistency of deployments between teams, BU's, and subsidiaries, and compliance of deployments. For years, innovation at large financial services organizations has been plagued by DevOps teams being the bottleneck for how quickly product teams can iterate. Bespoke, or what the industry knows as "snowflake" IAC templates not only don't scale, but also open the organization to risk. Through the use of a self-service tool like AWS Service Catalog, AWS "Products" within an org are compliant by default and can be created to accept necessary baseline parameters providing both security and customizability for an organization. Gone are the days of opening a ticket for a DevOps engineer to create a custom IAC template for what is an otherwise standard request. For the first time, stakeholders throughout the business are empowered to request the infrastructure they want, and get it delivered to them within minutes all without any human intervention.

Mitigate Risk & Improve Operational Efficiency of Financial Platforms

Identify risks to your system from failure, improving the response on the system and reducing the impact of failure.



Consistent Authoring Experience (Automate Everything)

Service Catalog provides the ability to author a toolchain based on a DSL. Service Catalog will provide a consistent authoring experience mostly via IAC (DSL for AWS infra products). It is vital to involve the Ops and security team early in the IAC authoring process.



Self Service at Scale

Once the toolchain for a given application type has been authored and made available within the Service Catalog, users can self-service provision an application via a central UI Portal (AWS Service Catalog). Requests are fulfilled via automation pipelines almost instantaneously barring the time it usually takes to provisioning a service.



Governance/Workflow Management

A self-service toolchain may involve a workflow of steps for a approval, escalation if milestones are not met and notification upon successful completion.



Extensible DSL

The Service Catalog DSL is extensible to include the new tools and services being made available at a rapid clip. For example, GitLabs that has connectors to all public cloud providers.

Vertical Relevance on AWS

AWS provides scalable, resilient and secure services that enable customers to build efficient solutions to meet their market needs. Vertical Relevance brings significant Financial Services and AWS technology experience to evaluate current and targeted capabilities against business goals and identify solution architectures and management processes to achieve those business goals. We partner with our customers to evaluate, prioritize and execute on programs to evolve their existing applications into cloud native solutions that are secure, reliable, perform efficiently and are optimized for cost, while managed using best practices.

Features



Empowered Business Stakeholders

Non-technical stakeholders within the business are empowered for the first time to request the infrastructure they need when they need it.



Granular Permissions Structure

Self Service within AWS allows for users with minimal permissions within AWS to be given permissions to launch select products without having to be explicitly given permissions required to launch each of those resources individually.



Centrally Managed

Organizations can create and distribute Service Catalog products and portfolios from a centralized account. This provides simplified management using a hub and spoke architecture account pattern that many organizations are familiar with.

Industry Leading Approach to DevOps for Financial Services



Enhanced Security Configurations

Service Catalog products can be created to be “secure-by-default” to meet even the most stringent organizational requirements. By providing only the necessary parameters to end-users, settings such as encryption keys, VPC / subnet location, tagging, backup and restore, etc. can all be built into the product's configuration.



Onboard Vendors Faster

Ensuring that vendors are leveraging AWS in a way that is consistent with the organization's standards has been exceedingly difficult in the past. With Service Catalog, sharing out a portfolio of products to vendors that contain organization approved security configurations and input parameters is a sure way to guarantee that vendors are using AWS as intended.



Safer Code Promotion

Service Catalog products can add a level of immutability to an organization's deployment process and code promotion. By having Service Catalog support different versions of a product, companies can roll back to older versions of a product in the event that a deployment / code promotion does not go as expected.

Get started with Vertical Relevance solutions on AWS

If you are looking to provide automation, consistency, predictability, and visibility to your software release process [contact us today](#).