



Catalyst
by Zoho

The simplest serverless platform



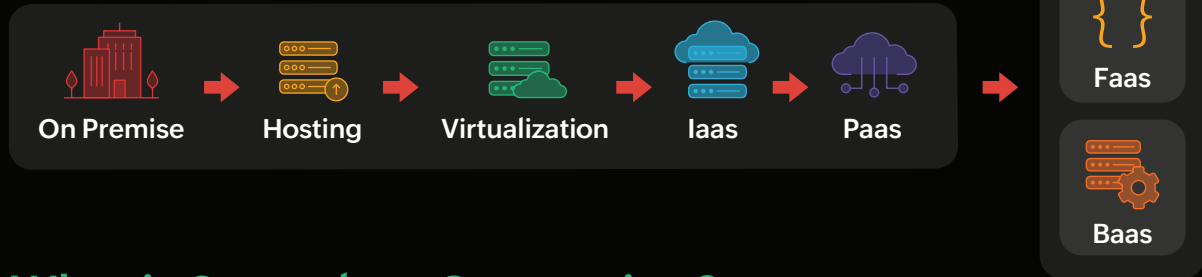
What is Catalyst

Catalyst is a highly scalable serverless platform that lets developers build and deploy world-class solutions without managing servers. You can focus on building the best experience for your users while we take care of everything else—from server provisioning to managing and monitoring—so you can build next-gen apps and experiences for your customers faster, without worrying about operational complexity or cost.

With Catalyst, you get to leverage Zoho's deep expertise in cloud infrastructure and technology capabilities, which powers our 55+ products and serves 80+ million users.

[REQUEST A DEMO](#)

The Rise of the Serverless Future



What is Serverless Computing?

Serverless computing is a disruptive, cloud-native paradigm. It eliminates the need for developers to manage infrastructure by providing them the back-end or full-stack services on-demand. This helps them build and deploy cutting-edge serverless applications at a fraction of the cost and time required to provision and deploy applications on servers. In the process, the provisioning, deployment, and management of servers is abstracted from the developers and is handled by the cloud provider.

Why Serverless? Why Now?

Serverless is disrupting the stack with benefits like faster time to market, ease of implementation, massive scalability, and reduced engineering lead time and operational cost. The consumption-based model and microservices architecture free you of architectural and operational burdens.

[LEARN MORE ABOUT SERVERLESS](#)

Unlock the power of serverless possibilities

Build

Intelligent AI solutions

Serverless web applications

Mobile apps
(Android & iOS apps)

Microservices

REST APIs

Event-driven applications

SaaS product extensions

End-to-end applications

Data processing
applications like data
migration, cleansing,
ETL operations, and
thumbnail generation

Deploy

Functions

Batch processing

ETL (extract-
transform-load) apps

Data- processing tasks

Scheduled tasks

Media processing

Run scheduled tasks
such as cleaning
databases and
analyzing logs

Scale

Rapidly
diagnose
application
health with
Catalyst APM

Drive higher
ROI with the
most affordable
serverless
solutions

Catalyst Components



Compute

Event functions
HTTP Functions
Cron Functions



Orchestrate

Circuits



Storage

Relational Data Store
Filestore
Cache



Intelligence

AutoML
OCR
Object Detection
Face Analytics
Image Moderation
Barcode Scanning



Other Services

API Gateway
User Authentication
Web Client Hosting
Logging and Metrics
Mobile Analytics
Mail
Push Notifications
Search Indexing

Why Catalyst is the Right Choice



Unified Console

Catalyst is the only serverless platform with multiple components integrated into a single stack, which drastically reduces the time and effort in building serverless applications.



Uncomplicated Pricing

Unlike other cloud providers where read-write units have to be pre-provisioned, Catalyst uses resource requests as the main marker for pricing. You only pay for the resources you use.



Free Full-featured Sandbox

Unlike other vendors in the market, Catalyst offers all users a free development sandbox that is a replica of the entire production environment.



Decoupled Environments

Enjoy a completely decoupled local debugging and development sandbox and production environment, enabling CI/CD. Best of all, the local debugging and development sandbox environments are completely free.



Pre-built Microservices

Slash your time to deployment with pre-built microservices for operations like Authentication, Push Notification, and others that are used by Zoho products.



Zoho's Promise of Privacy

Unlike other providers, Catalyst's tech stack is completely owned by Zoho, so your applications will run on the robust, secure and reliable infrastructure that powers 50+ Zoho applications.



Advanced AI Operations as APIs

The Catalyst Zia Suite contains powerful APIs for creating smart applications. These APIs are built from years of research and are used by Zoho products as well.

Pay nothing till you deploy
the project to production

Get up to
125 million
free invocations*

*Free for the first year upon deploying your first project to production and considering single credit operations like Select Query in Data Store and heavy usage pricing

Why Catalyst is the Right Choice

SDK Documentation

Java | Node.js

Web | Android | iOS

CLI Documentation

Catalyst CLI

API Documentation

Catalyst SDK

Components

Develop

Authentication

Data Store

File Store

Cache Cron

ZCQL Console

Compute

Functions

Function Stack

Basic I/O Functions

Advanced
I/O Functions

Event Functions

Cron Functions

Integration Functions

Implementation

Language Runtime
Support Policy

Cost and Performance
Optimization

Circuits

Security Rules

Amplify

Search

Mail

Push
Notifications

Event
Listeners

GitHub
Integration

Discover

Zia Services

Optical Character
Recognition

AutoML

Face Analytics

Image Moderation

Object Recognition

Barcode Scanner

Text Analytics

Add-on services

API Gateway

Mobile Device
Management

Crashes

Application
Performance
Monitoring

Host and Manage

Web Client Hosting

Domain Mappings

Logs

Metrics

Resources

Get started

Tutorials

GitHub

Trusted by



ConstructionBOS



// “Being a startup, we've been highly impressed with the tech support and customization that Catalyst was able to bring to the table, allowing us to achieve our goals in an effortless way. The solution built on Catalyst was a smart and logical integration with Zoho Inventory that helped us minimize data redundancies, maximize efficiency, and create a seamless and sustainable storage container recycling system.”

Shyam Sundar, CEO - Clean Label

[Read their story](#)

// “With Catalyst, we were able to serve our customers better by getting new services to them faster. Building the microservice on Catalyst was easy! We never had to deal with infrastructure management. We just wrote a code and deployed it.”

Craig Mulcahy, CEO, ConstructionBOS

[Read their story](#)

“ Catalyst gave us an edge by being able to build and host two powerful Marketplace extensions within a short span of time. Both solutions have proved to be reliable and seamless in performance so far. We're also extremely happy with the tech support we've received from Catalyst team.”

Kavitha Sugumaran, CEO, oApps

[Read their story](#)

“ Catalyst proved to be a powerful serverless suite in helping us bridge the gap in existing, independent supply chain systems. By simplifying serverless, Catalyst delivers great customer experiences and focuses on the pillars of privacy and security. We were able to develop the integration using Catalyst in just a week and deploy it in a day.”

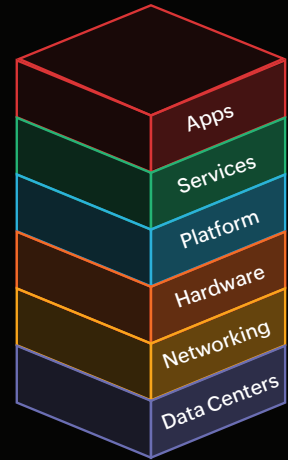
Amanda Tighe, Project Manager, Saint-Gobain

[Read their story](#)

We Own the Complete Tech Stack

Catalyst was born out of the natural evolution of Zoho's technology layers over time. For more than 25 years, Zoho has been committed to helping businesses run better. We've built the entire stack in-house—from our own data centers and servers to high-level services like authentication, machine learning, and notifications.

With Catalyst you get to leverage our deep expertise in handling cloud infrastructure, enabled by our extensive investment in R&D in terms of software frameworks as well as data centers around the world.



Automatic scaling

Meet demand automatically



Serverless microservices

Modernize and scale faster



Improved speed and agility

Go to market faster



Catalyst Advantage



Cost effectiveness

Dramatically lower cost of resources



Eliminate operational complexity

Reduce the amount of code and configuration required

Get free 1:1 consultation

Meet our experts to dive into your goals and upcoming projects and help you determine how Catalyst can help you achieve them.

Catalyst Support: support@zohocatalyst.com

Catalyst Solutions: solutions@zohocatalyst.com

[GET FREE CONSULTATION](#)



The simplest serverless platform

Start building for free

- Pay nothing till you deploy the project to production
- Get up to 125 million free invocations*
- Get a free, full-featured sandbox

[GET STARTED FOR FREE](#)

*Free for the first year upon deploying your first project to production and considering single credit operations like Select Query in DataStore and heavy usage pricing.