
UniDeploy

11th January 2026

OVERVIEW

It is a one-click website deployment service. Users either upload their project files or connect a GitHub repository, and the platform automatically:

- Detects whether static or dynamic
- Determine the correct build and deployment setup
- Builds the application
- Make it live on Internet
- Sets up user's project specific resources and clusters

GOALS

1. Devs will make their website without worrying about deployment config.
2. Non-Technical can vibe code their platform and leave rest here.
3. Production ready solutions become easy to access.

Functional Requirements

1. User can able to sign by "Github" or Upload their zip file or even a folder of their project.
2. System should able to detect - static or dynamic
3. System then start build it on production grade
4. System can able to deploy it on the platform and allocate resources
5. User will get the link of the deployed project
6. User can also able to connect the project with the domain
7. System should Provide Observability panel to see the live status.
8. On the basis of use, User will pay.

Non - Functional Requirements

1. The deployment time should be <2min . Served apps should respond quickly (<200ms) - Low latency.
2. Safety should be gives . Code should be quarantined and protected. All traffic encrypted via SSL

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3. Auto Scale based on metrics. Isolate Workloads per user/project
 4. **Intuitive UI**
Minimal clicks from upload to live site
Clear Error Messages
Easy-to-understand build/deploy errors for users
 5. **High Availability**
Target 99.95% uptime for deployed apps
Rollback Capability
Ability to rollback to previous deployments
 6. Deployable on any Kubernetes (EKS/GKE/AKS/DO/OCI)

Category	MVP	Post-MVP
User Auth	✓	✓
Git Integration	✓	✓
Upload Projects	✓	✓
Framework Detection	✓	✓
Automated Build	✓	Improve
Kubernetes Deploy	✓	Improve autoscaling
Dashboard	Basic	Advanced analytics
Billing	✗	✓
Custom Domains	Optional MVP	✓
High Availability	Basic	✓

High-level Architecture

High-Level Architecture: One-Click Deployment Platform

