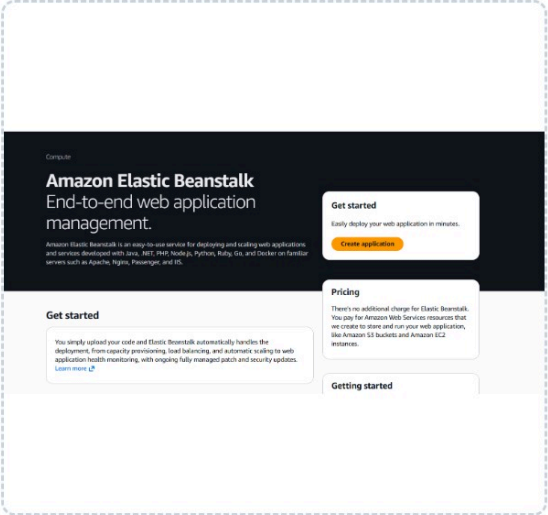
Flask Web App Deployment

AWS Elastic Beanstalk Strategy

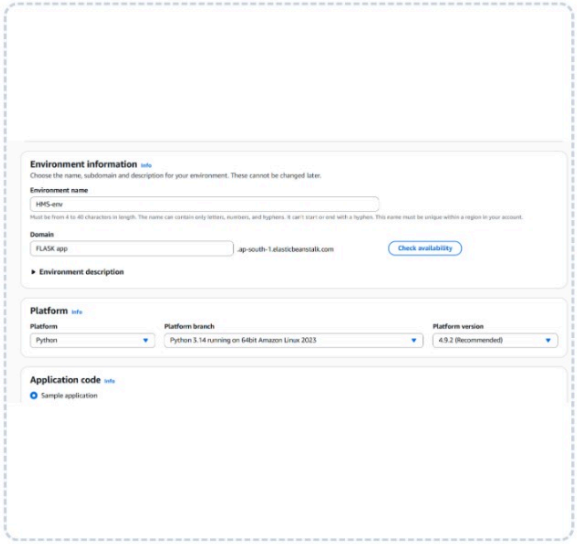
01 Create Application

Initiate the deployment by defining your application name in the AWS Management Console.



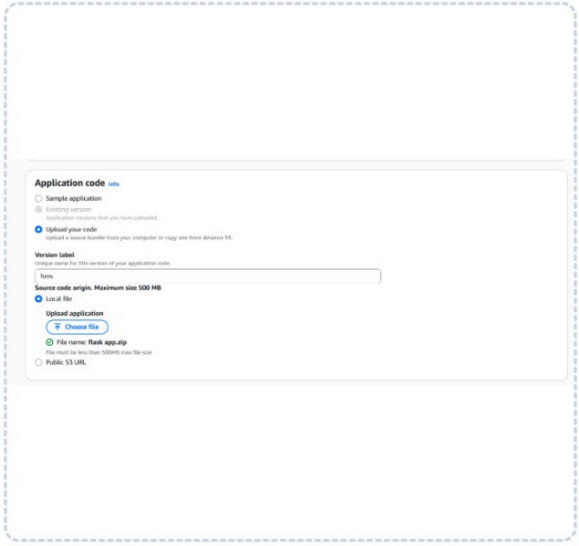
02 Environment & Platform

Configure the environment tier and select the Python managed platform version.



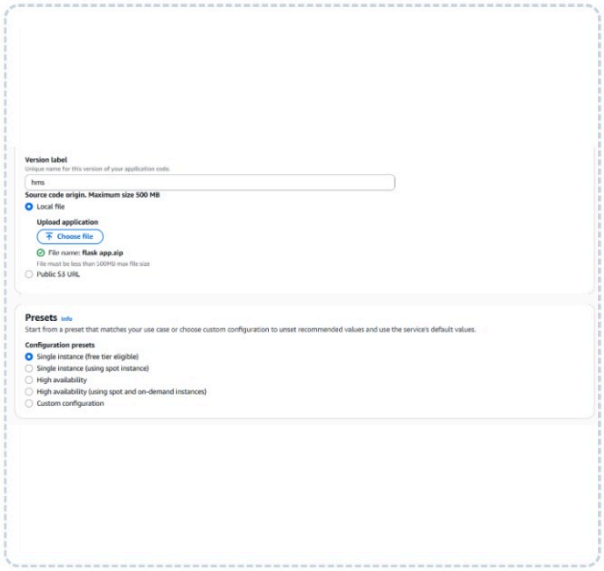
03 Application Code

Upload your source bundle as a ZIP file ensuring it contains 'application.py'.



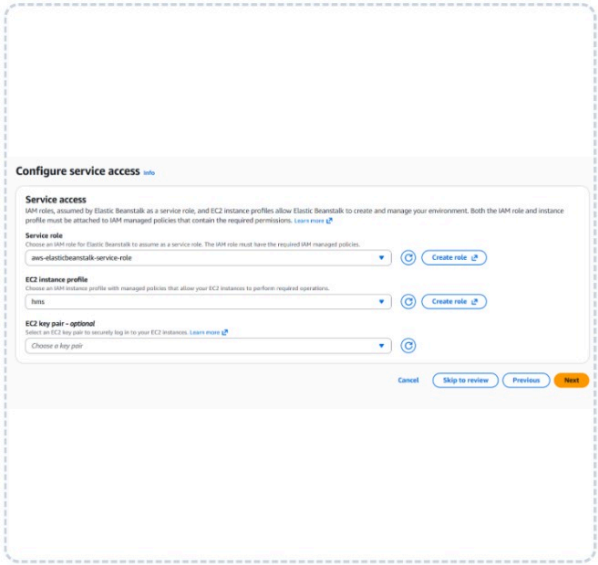
04 Version Label & Presets

Define a unique version label and choose a configuration preset.



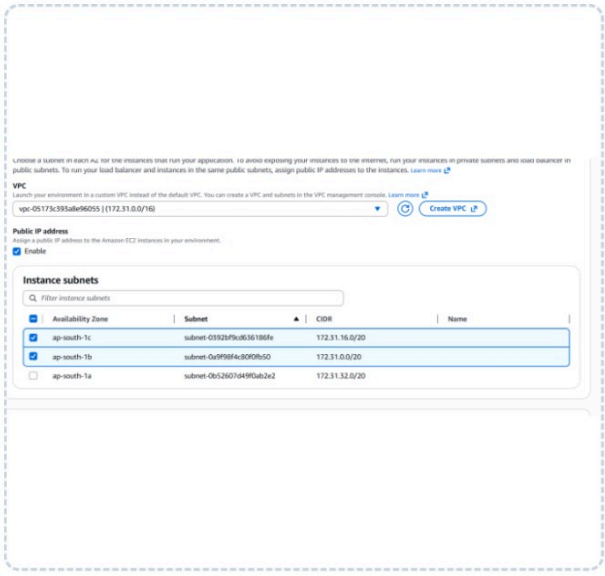
05 Service Access (IAM)

Assign necessary IAM roles and EC2 instance profiles for permissions.



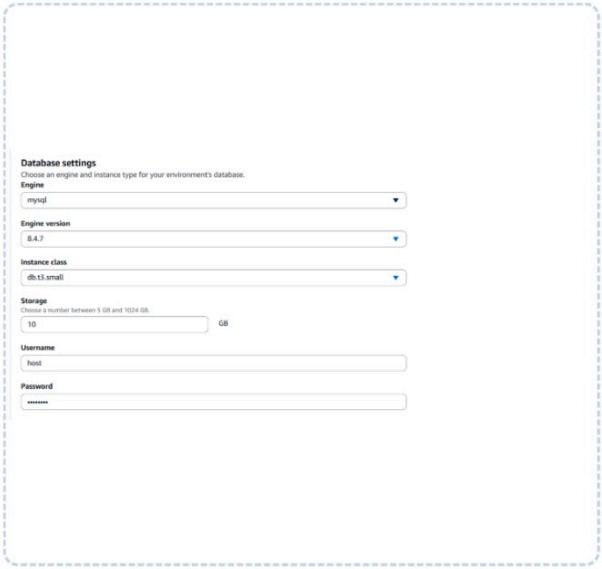
06 VPC and Subnets

Set up network isolation by selecting a VPC and designating subnets.



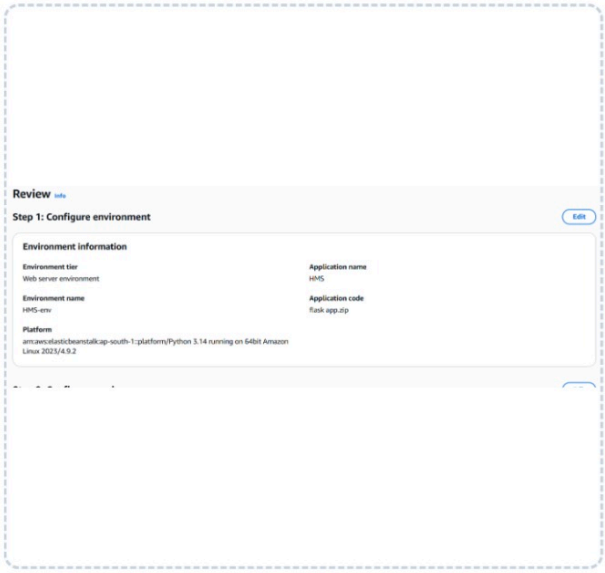
07 Database Setup

Integrate an RDS instance for persistent relational storage.



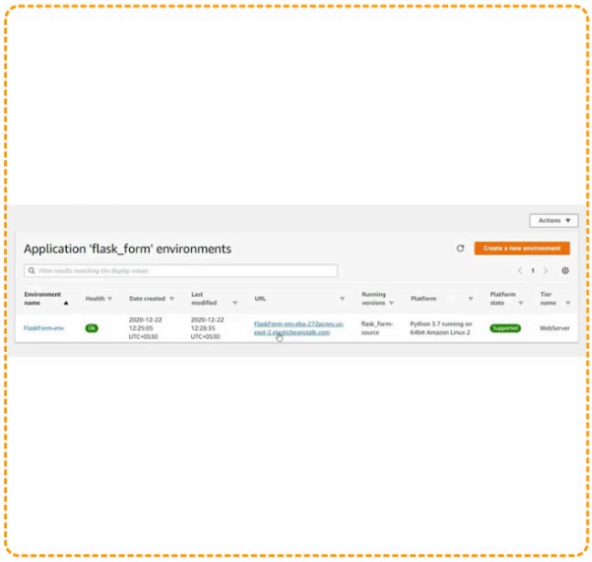
08 Configure Environment

Customize instance types and auto-scaling triggers.



09 Review & Finish

Verify configuration details and execute the launch.



Conclusion & Next Steps

Production Ready: Scalable managed infrastructure.

Easy Updates: Simple version management.

Monitoring: Health dashboards and CloudWatch logs.

Deployment Successful!