



# AWS Elastic Beanstalk

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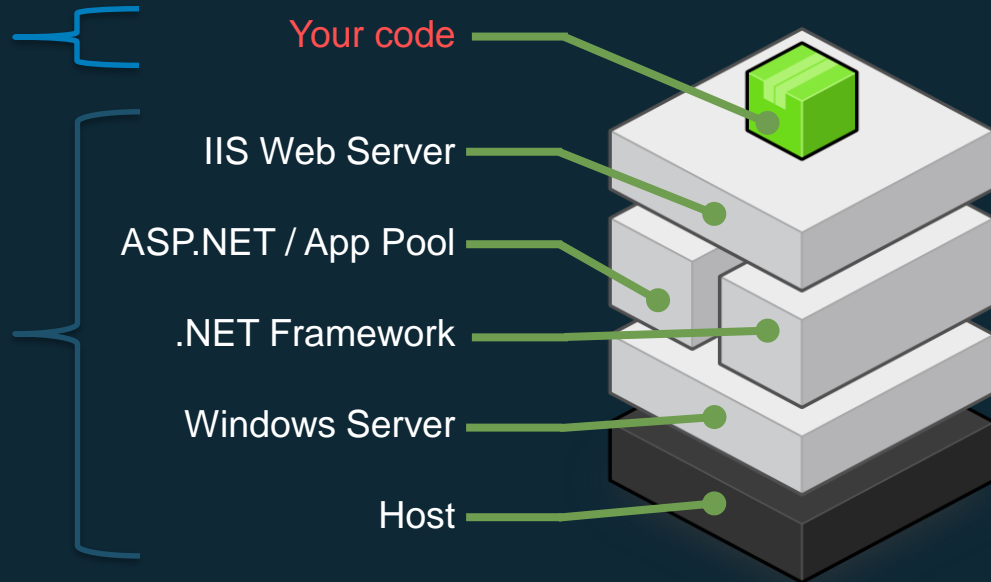
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# AWS Elastic Beanstalk




Focus on building  
your application

Elastic Beanstalk configures each EC2 instance in your environment with the components necessary to run applications for the selected platform. No more worrying about logging into instances to install and configure your application stack.



 Provided by you

 Provided and managed by AWS Elastic Beanstalk (EB)

# Application Updates/Deployments

- All at once
- Rolling updates
  - Deploy application updates “in place”
  - Choose the number/percent to update at once
- Immutable
  - Deploy application on new instances
  - As new instances pass checks, old instances retired
- Blue/Green Deployments
  - Deploy new environment, then swap with production

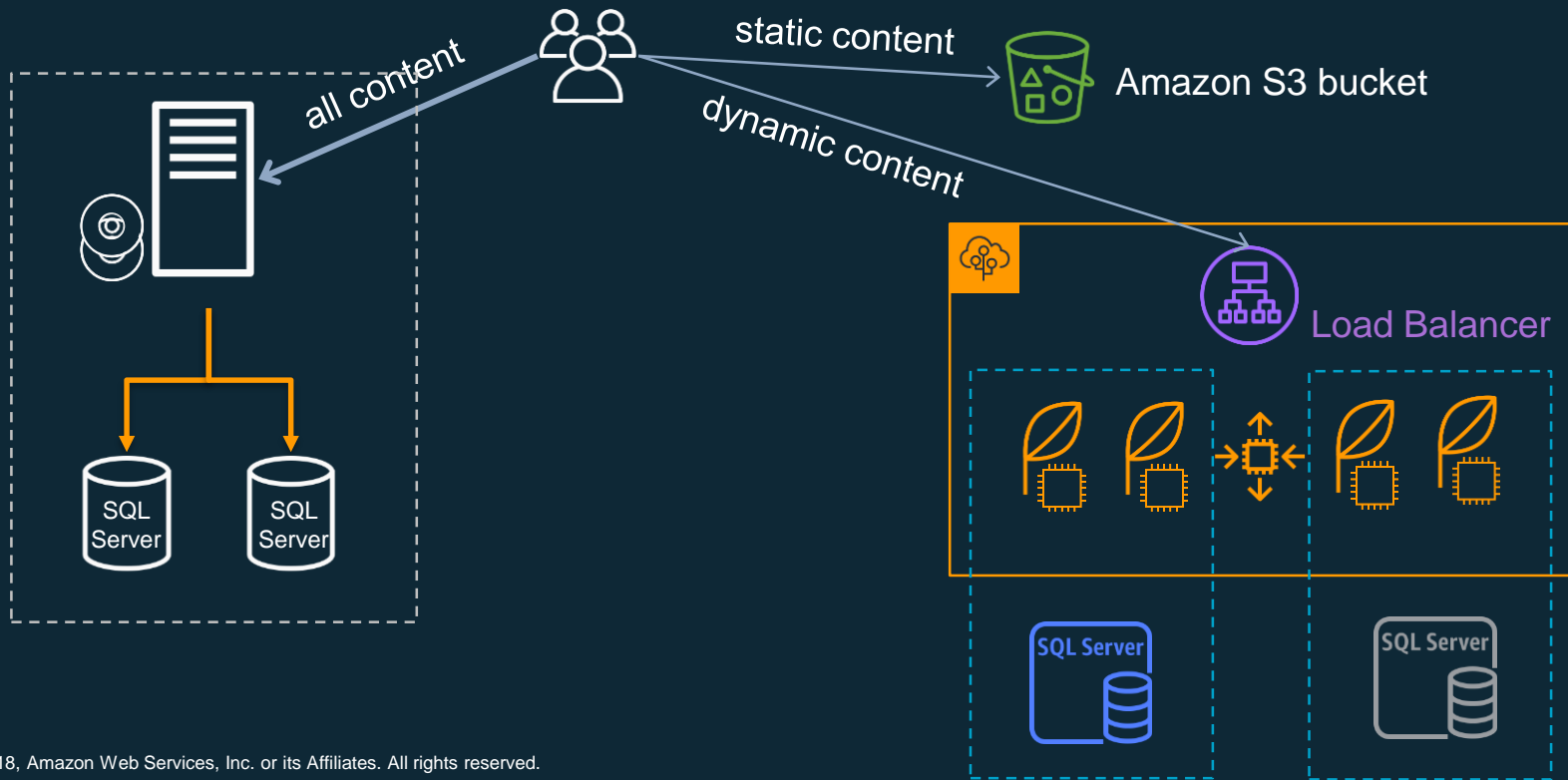
# Managed Platform Updates (optional)

- Elastic Beanstalk updates the platform regularly, incorporating Microsoft updates & patches
- You can configure your environment to receive updates automatically with no downtime
- Choose patches, minor version updates, or both
- Uses immutable updates – new instances pass health checks *before* old instances taken out of service

# Optimizing for the cloud with Elastic Beanstalk

On-premise

AWS Cloud



# CI/CD for .NET in AWS

Source



AWS CodeCommit

or



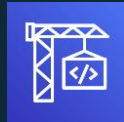
S3 Bucket

or



GitHub

Build/Test



AWS CodeBuild

or



Other Build Server

Deploy



AWS CodePipeline



AWS CodeDeploy

## AspNetWebFormsSample

Edit

Clone pipeline

View history

Release change

### Source

View current revisions

Source

AWS CodeCommit

✓ Succeeded - 1 month ago  
c48dd8db

c48dd8db Source: minor change to default.aspx to test ci/cd

Disable transition

### Build

View current revisions

Build

AWS CodeBuild

✓ Succeeded - 1 month ago  
Details

c48dd8db Source: minor change to default.aspx to test ci/cd

Disable transition

### Deploy

View current revisions

Deploy

AWS Elastic Beanstalk

✓ Succeeded - 1 month ago

c48dd8db Source: minor change to default.aspx to test ci/cd

