

AWS Elastic Beanstalk

Manages infrastructure as a service

- Environment
 - Production
 - Test
 - Development
- Web server
- Application server
- Language interpreters
- Operating system
- Hosts

Conceptual

- Platform for deploying & managing applications
- Upload code and go
- Automate day to day admin for developers
- Charged for resources not the service
- Handles scaling
- Common code support
 - Node.js
 - Ruby
 - Python
 - .net
 - Php
 - Custom
- Remove need for expertise on Infrastructure
 - Servers
 - Databases
 - Load balancers
 - Firewalls
 - Networks
- Team consistency
- Retains control of application

Process

- Upload code
- Region
- Platform type
 - Built in
 - AWS Linux
 - Windows
 - Custom
 - Own revs
 - trade off of some management
- Eb deploy
- Instance type
 - Low cost
 - Single
 - Availability
 - Load balancer
 - Auto Scaling
 - Rolling
 - Groups
- Select database
 - RDS

- ## Management
- AWS console
 - Eclipse
 - Visual Studio
 - AWS toolkit
 - AWS SDK CLI
 - Own Elastic beanstalk cli

- ## Managed platform updates
- Patches
 - Languages
 - Vulnerability
- ## Updates
- No downtime
 - Roll back
 - Manual if needed
 - Refresh instance if needed

- ## Rolling deployment
- Instance availability
 - Scaling Groups
 - All nodes
 - Outage percentage

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