

MIGRATING APPLICATIONS TO AWS

Jerry Hargrove, Sr. Solutions Architect
Fanatical Support® for AWS - Rackspace



Meet the team at booth #A05!

Who am I?



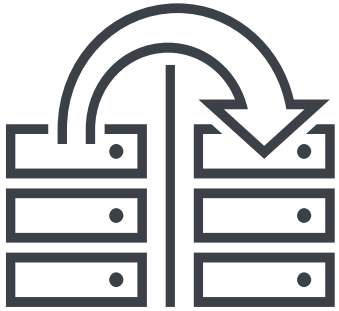
Jerry Hargrove

Senior Solutions Architect

Fanatical Support for AWS

- 20 years of software architecture & development experience
- “AWS Master” → @AWSgeek
- Avid outdoorsman

Fanatical Support for AWS



Migrate

“Manage my migration to AWS. Make it smooth and easy.”



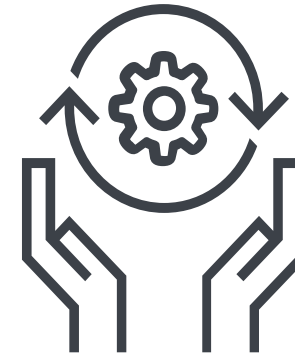
Architect

“Help me architect for scalability on AWS and take advantage of their entire service catalog.”



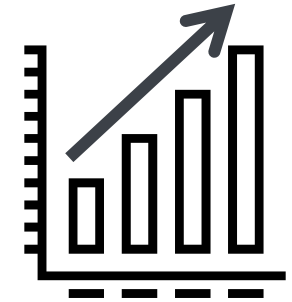
Secure

“Help me secure my AWS environments, and help me with my governance and compliance needs.”



Operate

“Manage my AWS infrastructure on an ongoing basis.”



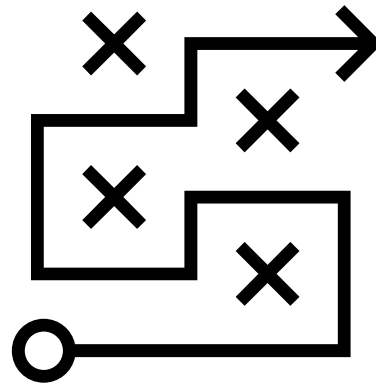
Optimize

“Help me optimize my AWS environment for cost, performance and scalability.”



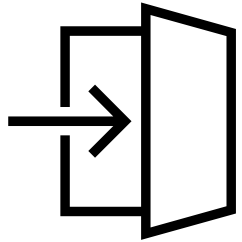
YOUR CLOUDS.
OUR EXPERTISE.

Common Approaches

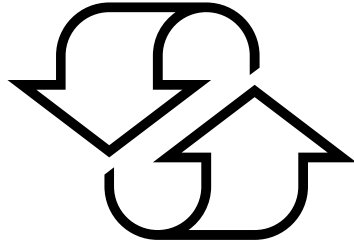


Everyone has a method for migrating apps

The 5 R's



Retire



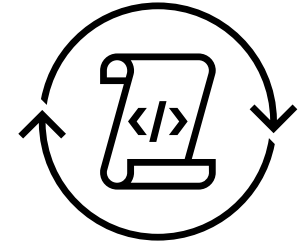
Replace



Replatform



Rearchitect



Refactor

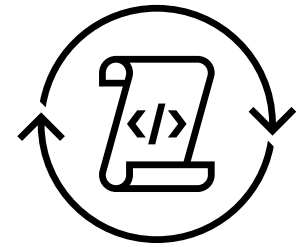
A Phased Approach



Transition



Optimize



Transform

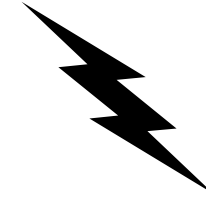
Transition



Benefit Immediately



Reduced Costs



Increased Agility



Global Capability



Increased Security /
Governance

Leverage Base Services



Amazon VPC

Amazon EC2

IAM

Elastic Load Balancing


Amazon CloudFront

AWS CloudTrail

aws marketplace

Amazon CloudWatch

Base Services



AWS Storage Gateway

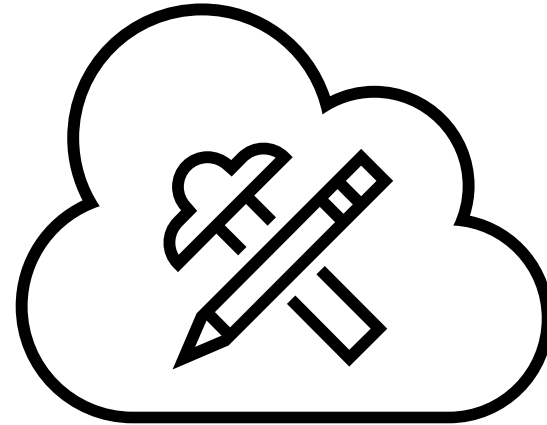
AWS Direct Connect

AWS Snowball

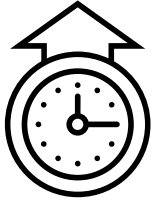
AWS DMS

Supporting Services

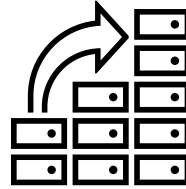
Optimize



Gain Bigger Benefits



**Improved
Availability**



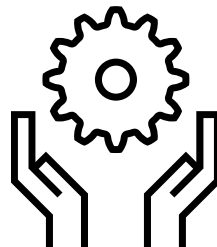
**Improved
Scalability**



**Increased
Flexibility**



**Improved
Security**

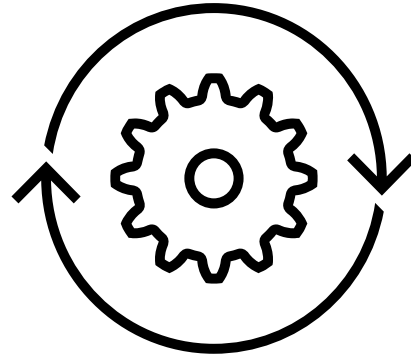


**Simplified
Architectures**



**Reduced Time-to-
Market**

Higher Order Services



**Leverage more
of the platform**

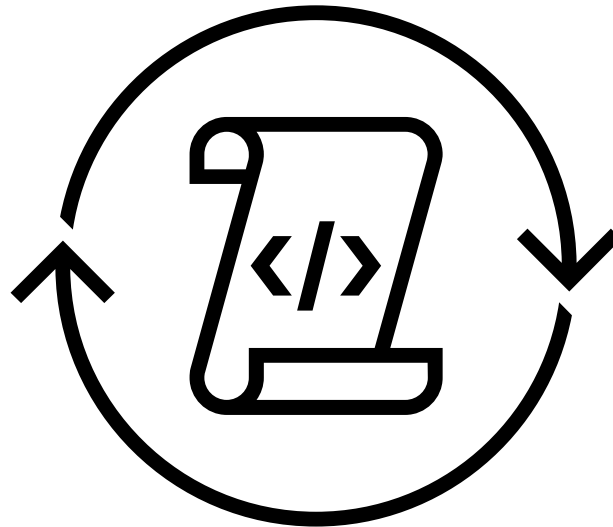
Amazon RDS
AWS Directory Service
Amazon SES
Amazon ES
Amazon EMR
Amazon S3
Amazon ElastiCache
AWS Elastic Beanstalk

Base Services

Auto-Scaling
Amazon Route 53
Amazon API Gateway
AWS Config
Amazon Inspector
Amazon SWF
AWS KMS
AWS Trusted Advisor
Amazon SNS

Supporting Services

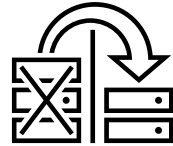
Transform



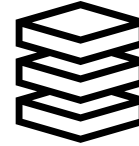
Go Cloud Native



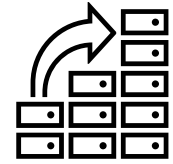
**Stateless
Applications**



**Disposable
Infrastructure**



**Loose
coupling**



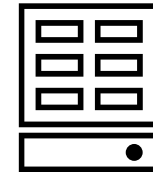
**Automated
Infrastructure**



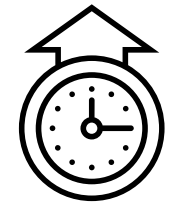
**Utilize
Caching**



**Database
Choice**



**Micro-
Services**



**Remove Single-Points-
of-Failure**

<http://aws.amazon.com/architecture>

Managed AWS Services



A collection of AWS service icons arranged in a grid, enclosed in a rounded red border. The icons are: AWS Lambda (orange cube), Amazon ECS (orange cube), Amazon API Gateway (yellow cube), Amazon SNS (yellow cube), Amazon DynamoDB (blue sphere), Amazon SQS (yellow cube), and Amazon Kinesis (orange cube).

AWS Lambda Amazon ECS Amazon API Gateway

Amazon SNS Amazon DynamoDB Amazon SQS

Amazon Kinesis

Base Services



A collection of AWS service icons arranged in a grid, enclosed in a rounded red border. The icons are: AWS CloudFormation (green cube), AWS OpsWorks (green cube), AWS Code Commit (green cube), AWS Code Deploy (green cube), AWS Code Pipeline (green cube), Amazon Cognito (purple cube), Amazon Mobile Analytics (purple cube), and Amazon SWF (yellow cube).

AWS CloudFormation AWS OpsWorks

AWS Code Commit AWS Code Deploy AWS Code Pipeline

Amazon Cognito Amazon Mobile Analytics Amazon SWF

Supporting Services



Creating a Powerful Combination with AWS

Global Expertise*

- >740 Solution Architect, SysOps and Developer Associate Certifications
- 71 Solution Architect and DevOps Professional Certifications
- >1900 Business & Technical Professional Accreditations

AWS Capability

- Premier Consulting Partner in the AWS Partner Network (APN)
- Audited Managed Service Partner Designation
- AWS DevOps Competency Partner
- AWS Marketing & Commerce Competency
- Authorized AWS Reseller
- AWS Public Sector Partner

Offers

- Fanatical Support for AWS Across All Public AWS Regions
- Professional Services for AWS: Architecture Strategy & Guidance, Cloud Migration, Cloud Automation
- Managed Security & Compliance Assistance
- Managed Cloud for Adobe Experience Manager Available for U.S. and International Customers
- Support of HIPAA and PCI compliant workloads

Meet the team at booth #A05!



Accelerating AWS adoption for one of Africa's largest betting platforms



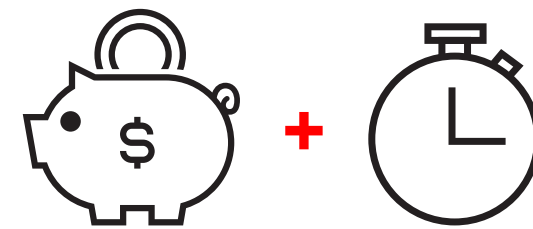
AWS Expertise

- Fully managed migration across all of the 5 R's
- 100% certified AWS experts through planning, design, build, test & ongoing-support



Increased Flexibility

- Significantly improved performance during peak periods
- Internal AWS skills focus on improving business proposition, not 'keeping the lights on'



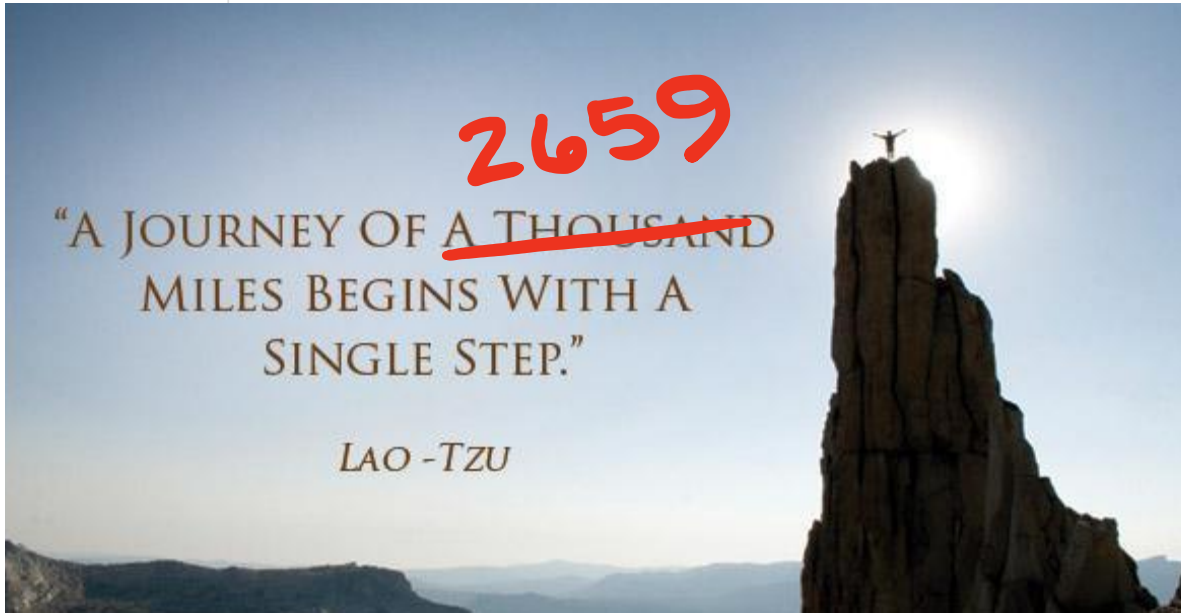
Reduced Spend & Time-to-Market

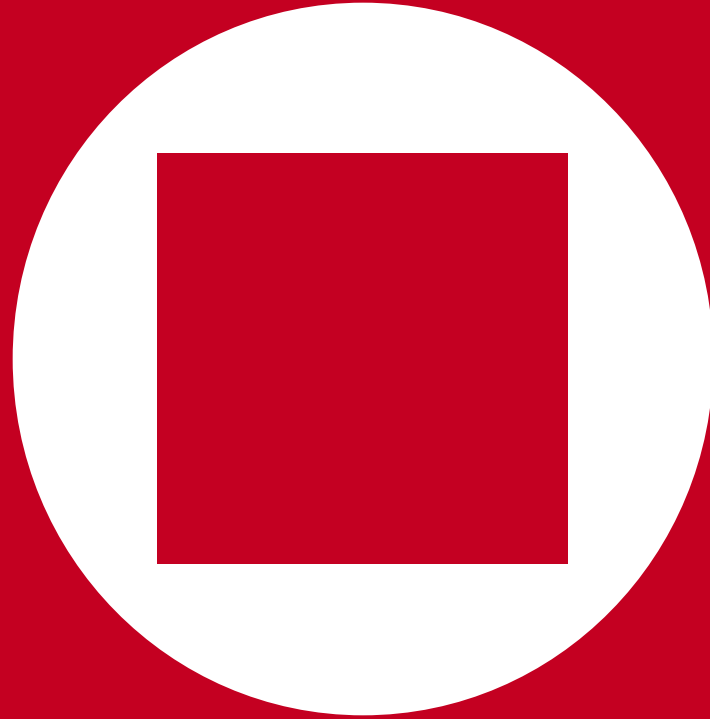
- Reduced costs by 60% YoY
- Sped up time-to-market for product deployment by refocusing internal skills

Pacific Crest Trail (PCT)



Where do you start?





YOUR CLOUDS.
OUR EXPERTISE.

**Want to know more?
Come visit us
at booth #A05!**

VISIT OUR WEBSITE

<https://www.rackspace.com/de/aws>

Thank you



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