



**Playlist: Services Deep Dive | AWS re:Invent 2014:**

<https://www.youtube.com/playlist?list=PLhr1KZpdzucYj6y9nm5jVtt5fQ1-XClr>

**Domain 1: High Availability and Business Continuity**

Building Fault-Tolerant Applications on AWS:

[http://media.amazonwebservices.com/AWS\\_Building\\_Fault\\_Tolerant\\_Applications.pdf](http://media.amazonwebservices.com/AWS_Building_Fault_Tolerant_Applications.pdf)

AWS Re:Invent 2014: Deploy High Availability & Disaster Recovery Architectures with AWS: <https://www.youtube.com/watch?v=XU6KDBQiwEM>

AWS Re:Invent 2014: Deploying a DR Site on AWS: Min. Cost with Max. Efficiency: <https://www.youtube.com/watch?v=A-AsaQeFhb0>

Re:Invent 2014: Deploying a Low-Latency Multiplayer Game Globally: Loadout: <https://www.youtube.com/watch?v=HfGK6Fwpops>

AWS Re:Invent 2013: Stop Worrying about Prodweb001 and Start Loving i-98fb9856: <https://www.youtube.com/watch?v=IQUdjPBjX5c>

EC2 Instance Recovery: <https://aws.amazon.com/blogs/aws/new-auto-recovery-for-amazon-ec2/> and <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-recover.html>

Amazon Relational Database Service: High Availability (Multi-AZ): <http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html>



Upgrading, and Amazon RDS Resource Maintenance:

[http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER\\_UpgradingDBInstances.html](http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_UpgradingDBInstances.html)

Amazon Relational Database Service Backing up and Restoring:

[http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP\\_CommonTasks.BackupRestore.html](http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_CommonTasks.BackupRestore.html)

Replication Groups and Read Replicas (Redis):

<http://docs.aws.amazon.com/AmazonElastiCache/latest/UserGuide/Replication.html>

Using Amazon Web Services for Disaster Recovery:

[http://media.amazonwebservices.com/AWS\\_Disaster\\_Recovery.pdf](http://media.amazonwebservices.com/AWS_Disaster_Recovery.pdf)

Amazon Relational Database Service Copying a DB Snapshot:

[http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER\\_CopySnapshot.html](http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_CopySnapshot.html)

Working with PostgreSQL and MySQL Read Replicas:

[http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER\\_ReadRepl.html](http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_ReadRepl.html)

Using Amazon Web Services for Disaster Recovery:

[http://media.amazonwebservices.com/AWS\\_Disaster\\_Recovery.pdf](http://media.amazonwebservices.com/AWS_Disaster_Recovery.pdf)

RDS cross-region snapshot copy:

[http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER\\_CopySnapshot.html](http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_CopySnapshot.html)

DynamoDB cross-region copy:

<http://docs.aws.amazon.com/datapipeline/latest/DeveloperGuide/dp-template-crossregionddbcopy.html>



EBS cross-region snapshots:

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-copy-snapshot.html>

S3 cross-region replication: <https://aws.amazon.com/blogs/aws/new-cross-region-replication-for-amazon-s3/>

Using OpsWorks Auto Healing:

<http://docs.aws.amazon.com/opsworks/latest/userguide/workinginstances-autohealing.html>

Configuring your Auto Scaling Groups:

<http://docs.aws.amazon.com/AutoScaling/latest/DeveloperGuide/WorkingWithASG.html>

Suspending and resuming Auto Scaling Processes:

[http://docs.aws.amazon.com/AutoScaling/latest/DeveloperGuide/US\\_SuspendResume.html](http://docs.aws.amazon.com/AutoScaling/latest/DeveloperGuide/US_SuspendResume.html)



## **Domain 2: Costing**

Amazon Web Services – How AWS Pricing Works:

[https://d0.awsstatic.com/whitepapers/aws\\_pricing\\_overview.pdf](https://d0.awsstatic.com/whitepapers/aws_pricing_overview.pdf)

AWS Re:Invent 2014: Running Lean Architectures: How to optimize for cost efficiency:

<https://www.youtube.com/watch?v=Z1CEZzzxKes>

AWS Re:Invent 2014: Cost Optimization on AWS or How to squeeze a dime in AWS:

<https://www.youtube.com/watch?v=mqY8xfKU5yE>

AWS re:Invent 2014: Cloud-Native Cost Optimization:

<https://www.youtube.com/watch?v=LZwlkqERv2g>

Amazon EC2 Reserved Instances: <http://aws.amazon.com/ec2/purchasing-options/reserved-instances/>

Modifying your Reserved Instances:

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-modifying.html>

Amazon RDS Reserved Instances: <http://aws.amazon.com/rds/reserved-instances/>

Amazon EC2 Spot Instances: <http://aws.amazon.com/ec2/purchasing-options/spot-instances/>

Amazon Elastic MapReduce: Instance Groups:

<https://docs.aws.amazon.com/ElasticMapReduce/latest/DeveloperGuide/InstanceGroups.html>



Amazon Elastic MapReduce: Choose What to Launch as Spot Instances:

<http://docs.aws.amazon.com/ElasticMapReduce/latest/DeveloperGuide/ChoosingWhattoLaunchasSpotInstances.html>

S3 Reduced Redundancy Storage:

<http://docs.aws.amazon.com/AmazonS3/latest/dev/UsingRRS.html>

Glacier pricing: <http://aws.amazon.com/glacier/pricing/>

CloudFront pricing and reserved capacity: <http://aws.amazon.com/cloudfront/pricing/>

Consolidated Billing:

<http://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

Understanding Blended Rates:

<http://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/con-bill-blended-rates.html>

Understanding Your Usage with Detailed Billing Reports:

<http://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/detailed-billing-reports.html>



## Domain 3: Deployment management

Amazon Web Services – Overview of Deployment Options on AWS:

<https://d0.awsstatic.com/whitepapers/overview-of-deployment-options-on-aws.pdf>

Amazon Web Services – Managing Your AWS Infrastructure at Scale:

<https://d0.awsstatic.com/whitepapers/managing-your-aws-infrastructure-at-scale.pdf>

AWS re:Invent 2014: Deploy, Manage, Scale Apps w/ AWS OpsWorks and AWS Elastic Beanstalk: <https://www.youtube.com/watch?v=KZoTh3hZTy0>

AWS re:Invent 2014: AWS OpsWorks Under the Hood:

<https://www.youtube.com/watch?v=cuf7Rqlgeq4>

AWS re:Invent 2014: AWS CloudFormation Best Practices:

<https://www.youtube.com/watch?v=sAqkN0vIhAY>

AWS Summit 2014 San Francisco: Amazon EC2 Container Service: Manage Docker-Enabled Apps in EC2: <https://www.youtube.com/watch?v=c0EnHI3o-L4>

Elastic Beanstalk – Using configuration files:

<http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/customize-containers.html#customize-containers-format>

Elastic Beanstalk – Customizing software on EC2 instances:

<http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/customize-containers-windows-ec2.html>

<http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/customize-containers-ec2.html>



OpsWorks – Adding Apps:

<http://docs.aws.amazon.com/opsworks/latest/userguide/workingapps-creating.html>

OpsWorks – Deploying Apps:

<http://docs.aws.amazon.com/opsworks/latest/userguide/workingapps-deploying.html>

OpsWorks - Cookbooks and Recipes:

<http://docs.aws.amazon.com/opsworks/latest/userguide/workingcookbook.html>

CloudFormation Stacks Updates:

<http://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/using-cfn-updating-stacks.html>

CloudFormation – Resource Attribute Reference:

<http://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/aws-product-attribute-reference.html>

Elastic Beanstalk – Deploying applications to existing environments:

<http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/using-features.deploy-existing-version.html>

CodeDeploy – deployment steps:

<http://docs.aws.amazon.com/codedeploy/latest/userguide/deployment-steps.html>



## **Domain 4: Network Design**

Amazon Web Services – Amazon VPC Connectivity Options:

[https://media.amazonwebservices.com/AWS\\_Amazon\\_VPC\\_Connectivity\\_Options.pdf](https://media.amazonwebservices.com/AWS_Amazon_VPC_Connectivity_Options.pdf)

Re:Invent 2014: Amazon VPC Deep Dive:

<https://www.youtube.com/watch?v=HexrVfulY1k>

Re:Invent 2014: From One to Many: Evolving VPC Design:

[https://www.youtube.com/watch?v=jjk\\_zZRLXXw](https://www.youtube.com/watch?v=jjk_zZRLXXw)

Re:Invent 2014: Black-Belt Networking for the Cloud Ninja:

<https://www.youtube.com/watch?v=-klyaq9R0XU>

Re:Invent 2014: Amazon Route 53 Deep Dive: Delivering Resiliency, Minimizing Latency: <https://www.youtube.com/watch?v=f9y-T7mQVxs>

Re:Invent 2014: Elastic Load Balancing Deep Dive and Best Practices:

<https://www.youtube.com/watch?v=K-YFw9-NPE>

AWS Webcast - Best Practices for Content Delivery using Amazon CloudFront:

<https://www.youtube.com/watch?v=s9Xt1qzD6SA>

Working With AWS Direct Connect Connections:

<http://docs.aws.amazon.com/directconnect/latest/UserGuide/WorkingWithConnections.html>





Working With AWS Direct Connect Virtual Interfaces:

<http://docs.aws.amazon.com/directconnect/latest/UserGuide/WorkingWithVirtualInterfaces.html>

Amazon Virtual Private Cloud: VPC with Public and Private Subnets (NAT):

[http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC\\_Scenario2.html](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Scenario2.html)

Amazon Virtual Private Cloud: IP Addressing in Your VPC:

<http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-ip-addressing.html>

Amazon Route 53: Routing Queries to AWS Resources:

<http://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-to-aws-resources.html>

Amazon Route 53 Health Checks and DNS Failover:

<http://docs.aws.amazon.com/Route53/latest/DeveloperGuide/dns-failover.html>

Amazon Route 53: Choosing a Routing Policy:

<http://docs.aws.amazon.com/Route53/latest/DeveloperGuide/routing-policy.html>

Tutorial: Using Latency and Weighted Resource Record Sets in Amazon Route 53 to Route Traffic to Multiple Amazon EC2 Instances in a Region:

<http://docs.aws.amazon.com/Route53/latest/DeveloperGuide/Tutorials.html#TutorialLBRMultipleEC2InRegion>

Amazon CloudFront: Values that You Specify When You Create or Update a Web Distribution:

<http://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/distribution-web-values-specify.html>



Amazon CloudFront: Serving Private Content through CloudFront:

<http://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/PrivateContent.html>



## **Domain 5: Data Storage**

Amazon Web Services – AWS Storage Options:

<https://d1.awsstatic.com/whitepapers/Storage/AWS%20Storage%20Services%20Whitepaper-v9.pdf>

Amazon Web Services – Best Practices for Amazon EMR:

<https://aws.amazon.com/blogs/aws/new-whitepaper-amazon-elastic-mapreduce-emr-best-practices/>

Eventually Consistent – Revisited:

[http://www.allthingsdistributed.com/2008/12/eventually\\_consistent.html](http://www.allthingsdistributed.com/2008/12/eventually_consistent.html)

Re:Invent 2014: Understanding AWS Storage Options:

<https://www.youtube.com/watch?v=WnycsuQ4SF8>

Re:Invent 2014: Amazon S3 Deep Dive and Best Practices:

<https://www.youtube.com/watch?v=2DpOS0zu8O0>

Re:Invent 2014: Amazon EBS Deep Dive:

<https://www.youtube.com/watch?v=xtuRD2AZt3M>

Re:Invent 2014: Choosing Among AWS Managed Database Services:

<https://www.youtube.com/watch?v=XVfjbG7wfzs>

Re:Invent 2014: From Zero to NoSQL Hero: Amazon DynamoDB Tutorial:

<https://www.youtube.com/watch?v=tDqLwzQEOMM>



Re:Invent 2014: Amazon DynamoDB: Data Modeling and Scaling Best Practices:

<https://www.youtube.com/watch?v=KmHGrONoif4>

Amazon S3 FAQs: <http://aws.amazon.com/s3/faqs/>

Amazon Simple Storage Service: Object Key and Metadata:

<http://docs.aws.amazon.com/AmazonS3/latest/dev/UsingMetadata.html>

Amazon Simple Storage Service: Request Rate and Performance Considerations:

<http://docs.aws.amazon.com/AmazonS3/latest/dev/request-rate-perf-considerations.html>

Amazon EBS Product Details: <https://aws.amazon.com/ebs/details/>

Amazon EBS–Optimized Instances:

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSOptimized.html>

Amazon EBS Volume Performance on Linux Instances:

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSPerformance.html>

Amazon EBS Snapshots:

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSSnapshots.html>

Amazon Glacier Data Model:

<http://docs.aws.amazon.com/amazonglacier/latest/dev/amazon-glacier-data-model.html>



Working with Archives in Amazon Glacier:

<http://docs.aws.amazon.com/amazonglacier/latest/dev/working-with-archives.html>

Uploading an Archive in Amazon Glacier:

<http://docs.aws.amazon.com/amazonglacier/latest/dev/uploading-an-archive.html>

Downloading an Archive in Amazon Glacier:

<http://docs.aws.amazon.com/amazonglacier/latest/dev/downloading-an-archive.html>

Working with Tables in DynamoDB:

<http://docs.aws.amazon.com/amazondynamodb/latest/developerguide/WorkingWithTables.html>

Working with Items in DynamoDB:

<http://docs.aws.amazon.com/amazondynamodb/latest/developerguide/WorkingWithItems.html>

Provisioned Throughput in Amazon DynamoDB:

<http://docs.aws.amazon.com/amazondynamodb/latest/developerguide/ProvisionedThroughputIntro.html>

Improving Data Access with Secondary Indexes in DynamoDB:

<http://docs.aws.amazon.com/amazondynamodb/latest/developerguide/SecondaryIndexes.html>

Amazon ElastiCache: Clusters:

<http://docs.aws.amazon.com/AmazonElastiCache/latest/UserGuide/CacheCluster.html>



Amazon ElastiCache: Node Considerations for Memcached:

<http://docs.aws.amazon.com/AmazonElastiCache/latest/UserGuide/CacheNode.Memcached.html>

Amazon ElastiCache: Node Considerations for Redis:

<http://docs.aws.amazon.com/AmazonElastiCache/latest/UserGuide/CacheNode.Redis.html>

Configuring ElastiCache Clients:

<http://docs.aws.amazon.com/AmazonElastiCache/latest/UserGuide/ClientConfig.html>

Redis data model and consistency: <http://antirez.com/news/36>

Best Practices for Amazon RDS:

[http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP\\_BestPractices.html](http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_BestPractices.html)

Amazon Relational Database Service: High Availability (Multi-AZ):

<http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html>

Amazon Relational Database Service: Backing Up and Restoring:

[http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP\\_CommonTasks.BackupRestore.html](http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_CommonTasks.BackupRestore.html)

Working with PostgreSQL and MySQL Read Replicas:

[http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER\\_ReadRepl.html](http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_ReadRepl.html)



## **Domain 6: Security**

AWS Security Center: <https://aws.amazon.com/security>

AWS Compliance: <https://aws.amazon.com/compliance/>

Auditing Security Checklist for Use of AWS:

[https://d1.awsstatic.com/whitepapers/compliance/AWS\\_Auditing\\_Security\\_Checklist.pdf](https://d1.awsstatic.com/whitepapers/compliance/AWS_Auditing_Security_Checklist.pdf)

Amazon Web Services – Encrypting Data at Rest:

[http://d0.awsstatic.com/whitepapers/AWS\\_Securing\\_Data\\_at\\_Rest\\_with\\_Encryption.pdf](http://d0.awsstatic.com/whitepapers/AWS_Securing_Data_at_Rest_with_Encryption.pdf)

Amazon Web Services – Overview of Security Processes:

[https://d1.awsstatic.com/whitepapers/Security/AWS\\_Security\\_Whitepaper.pdf](https://d1.awsstatic.com/whitepapers/Security/AWS_Security_Whitepaper.pdf)

Amazon Web Services Risk and Compliance:

[https://d0.awsstatic.com/whitepapers/compliance/AWS\\_Risk\\_and\\_Compliance\\_Whitepaper.pdf](https://d0.awsstatic.com/whitepapers/compliance/AWS_Risk_and_Compliance_Whitepaper.pdf)

Amazon Web Services – Automating Governance on AWS:

[https://d0.awsstatic.com/whitepapers/compliance/Automating\\_Governance\\_on\\_AWS.pdf](https://d0.awsstatic.com/whitepapers/compliance/Automating_Governance_on_AWS.pdf)

Amazon Web Services – Security at Scale: Logging in AWS:

[https://d0.awsstatic.com/whitepapers/compliance/AWS\\_Security\\_at\\_Scale\\_Logging\\_in\\_AWS\\_Whitepaper.pdf](https://d0.awsstatic.com/whitepapers/compliance/AWS_Security_at_Scale_Logging_in_AWS_Whitepaper.pdf)



Amazon Web Services – Security at Scale: Governance in AWS:

[https://d0.awsstatic.com/whitepapers/compliance/AWS\\_Security\\_at\\_Scale\\_Governance\\_in\\_AWS\\_Whitepaper.pdf](https://d0.awsstatic.com/whitepapers/compliance/AWS_Security_at_Scale_Governance_in_AWS_Whitepaper.pdf)

AWS Re:Invent 2014: AWS Security Keynote Address:

<https://www.youtube.com/watch?v=OEK7mHn4JLs>

AWS Re:Invent 2014: Architecting for End-to-End Security in the Enterprise:

[https://www.youtube.com/watch?v=IT-krK\\_wl3o](https://www.youtube.com/watch?v=IT-krK_wl3o)

AWS Re:Invent 2014: SSL with Amazon Web Services:

[https://www.youtube.com/watch?v=8AODa\\_AazY4](https://www.youtube.com/watch?v=8AODa_AazY4)

AWS re:Invent 2014: Bring Your Own Identities – Federating Access to Your AWS Environment: <https://www.youtube.com/watch?v=debJ3o5w0MA>

Cloud Migration, Application Modernization and Security for Partners:

<https://www.youtube.com/watch?v=UpeV4OqB6Us>

Amazon Simple Storage Service: Using Bucket Policies and User Policies:

<http://docs.aws.amazon.com/AmazonS3/latest/dev/using-iam-policies.html>

Amazon Simple Storage Service: Bucket Policy Examples:

<http://docs.aws.amazon.com/AmazonS3/latest/dev/example-bucket-policies.html>

AWS Identity and Access Management: IAM Roles (Delegation and Federation):

<http://docs.aws.amazon.com/IAM/latest/UserGuide/roles-toplevel.html>





AWS Identity and Access Management: How Roles Differ from Resource-Based Policies: <http://docs.aws.amazon.com/IAM/latest/UserGuide/roles-resourcebasedpolicies-compare.html>

AWS Identity and Access Management: Overview of IAM Policies: [http://docs.aws.amazon.com/IAM/latest/UserGuide/policies\\_overview.html](http://docs.aws.amazon.com/IAM/latest/UserGuide/policies_overview.html)

AWS Identity and Access Management: Using Identity Providers: <http://docs.aws.amazon.com/IAM/latest/UserGuide/identity-providers.html>

What Is AWS Security Token Service? <http://docs.aws.amazon.com/STS/latest/UsingSTS/Welcome.html>

AWS Security Token Service: Scenarios for Granting Temporary Access: <http://docs.aws.amazon.com/STS/latest/UsingSTS/STSUseCases.html>

AWS Security Token Service: Using the AssumeRole API to Delegate API Access: [http://docs.aws.amazon.com/STS/latest/UsingSTS/sts\\_delegate.html](http://docs.aws.amazon.com/STS/latest/UsingSTS/sts_delegate.html)

Amazon Cognito identity pools: <http://docs.aws.amazon.com/cognito/devguide/identity/identity-pools/>

Amazon Redshift Database Encryption: <http://docs.aws.amazon.com/redshift/latest/mgmt/working-with-db-encryption.html>

Encrypting Amazon RDS Resources: <http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Overview.Encryption.html>



Amazon Simple Storage Service: Protecting Data Using Encryption:

<http://docs.aws.amazon.com/AmazonS3/latest/dev/UsingEncryption.html>

Amazon EBS Encryption:

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSEncryption.html>

Amazon CloudFront Custom SSL: <http://aws.amazon.com/cloudfront/custom-ssl-domains/>

Serving Private Content through CloudFront:

<http://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/PrivateContent.html>

SSL Certificates for Elastic Load Balancing:

<http://docs.aws.amazon.com/ElasticLoadBalancing/latest/DeveloperGuide/ssl-server-cert.html>



## **Domain 7: Scalability and Elasticity**

Amazon Web Services – Web Application Hosting in the AWS Cloud: Best Practices:  
<https://d1.awsstatic.com/whitepapers/aws-web-hosting-best-practices.pdf>

Amazon Web Services - Architecting for The Cloud: Best Practices:  
[https://media.amazonwebservices.com/AWS\\_Cloud\\_Best\\_Practices.pdf](https://media.amazonwebservices.com/AWS_Cloud_Best_Practices.pdf)

Re:Invent 2014: Scaling Up to Your First 10 Million Users:  
<https://www.youtube.com/watch?v=ccojvcQq858>

Re:Invent 2014: Scalable Game Architectures That Don't Break the Bank:  
<https://www.youtube.com/watch?v=pGO8dfO87xc>

Auto Scaling: Configuring Your Auto Scaling Groups:  
<http://docs.aws.amazon.com/AutoScaling/latest/DeveloperGuide/WorkingWithASG.html>

Auto Scaling: Scaling Based on Amazon SQS:  
<http://docs.aws.amazon.com/AutoScaling/latest/DeveloperGuide/as-using-sqs-queue.html>

Amazon Simple Queue Service: Using Amazon SQS Message Attributes:  
<http://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/SQSMessageAttributes.html>

Amazon Simple Queue Service: Amazon SQS Long Polling:  
<http://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-long-polling.html>



Amazon Simple Notification Service: Sending Amazon SNS Messages to Amazon SQS Queues: <http://docs.aws.amazon.com/sns/latest/dg/SendMessageToSQS.html>

Amazon Simple Queue Service: Increasing Throughput with Horizontal Scaling and Batching:  
<http://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/throughput.html>

Using Amazon SNS Topic Attributes for Message Delivery Status:  
<http://docs.aws.amazon.com/sns/latest/dg/msg-status-topics.html>

Amazon Simple Storage Service: Request Rate and Performance Considerations:  
<http://docs.aws.amazon.com/AmazonS3/latest/dev/request-rate-performance-considerations.html>

Introduction to Amazon Simple Workflow Service:  
<http://docs.aws.amazon.com/amazonswf/latest/developerguide/swf-dg-intro-to-swf.html>

Basic Concepts in Amazon SWF:  
<http://docs.aws.amazon.com/amazonswf/latest/developerguide/swf-dg-basic.html>

Amazon EBS: Expanding the Storage Space of an EBS Volume on Linux:  
<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-expand-volume.html>

Amazon Relational Database Service: ModifyDBInstance:  
[http://docs.aws.amazon.com/AmazonRDS/latest/APIReference/API\\_ModifyDBInstance.html](http://docs.aws.amazon.com/AmazonRDS/latest/APIReference/API_ModifyDBInstance.html)



Amazon Relational Database Service: Working with Storage Types:

[http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER\\_PIOPS.StorageTypes.html](http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_PIOPS.StorageTypes.html)

Amazon Kinesis Key Concepts: <http://docs.aws.amazon.com/kinesis/latest/dev/key-concepts.html>

Provisioned Throughput in Amazon DynamoDB:

<http://docs.aws.amazon.com/amazondynamodb/latest/developerguide/ProvisionedThroughputIntro.html>

Amazon DynamoDB: Guidelines for Working with Tables:

<http://docs.aws.amazon.com/amazondynamodb/latest/developerguide/GuidelinesForTables.html>

Amazon Kinesis: Managing Streams:

<http://docs.aws.amazon.com/kinesis/latest/dev/working-with-streams.html>



## **Domain 8: Cloud Migration and Hybrid Architecture**

Amazon Web Services – AWS Cloud Adoption Framework:

[http://d0.awsstatic.com/whitepapers/aws\\_cloud\\_adoption\\_framework.pdf](http://d0.awsstatic.com/whitepapers/aws_cloud_adoption_framework.pdf)

Amazon Web Services - Migrating Your Existing Applications to the AWS Cloud:

<http://media.amazonwebservices.com/CloudMigration-main.pdf>

Cloud Migration, Application Modernization and Security for Partners:

<https://www.youtube.com/watch?v=UpeV4OqB6Us>

AWS re:Invent 2014 | (ENT401) Hybrid Infrastructure Integration:

<https://www.youtube.com/watch?v=PPGXBoeLlcM>

AWS re:Invent 2014 | (ARC203) Expanding Your Data Center with Hybrid Infrastructure:

<https://www.youtube.com/watch?v=Kb7bq63fR80>