# AWS re/Start Agenda

## WEEK 1 – INTRODUCTION, CLOUD FOUNDATIONS

| DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|
| Opening | 20 | Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 |
| Welcome & Expectations | 45 | **Activity:** Think Big | 120 | **Activity:** Cloud Roles | 45 | Communication and STAR methodology | 135 | AWS Services and Service category Overview and Knowledge Check | 50 |
| **Break** | 15 | **Break** | 15 | **Break** | 15 | **Break** | 15 | AWS Shared Responsibility Model and Knowledge Check | 35 |
| Program Overview and Introductions | 60 | Introduction to Computing and Knowledge Check | 55 | **Activity:** Setting Goals | 120 | What is Amazon Web Services (AWS) and Knowledge Check | 55 | **Break** | 15 |
| Curriculum Overview | 30 | **Lunch** | 45 | **Lunch** | 45 | **Lunch** | 45 | Amazon Simple Storage Service (S3) | 20 |
| **Lunch** | 45 | Basic Computing Concepts and Knowledge Check | 60 | **Activity:** Career Goals | 45 | Introduction to AWS Training and Certification | 45 | Amazon S3 Demo and Knowledge Check | 45 |
| Vendor Introduction | 45 | **Break** | 15 | **Break** | 15 | **Break** | 15 | **Lunch** | 45 |
| **Break** | 15 | Development Team Roles and Knowledge Check | 40 | Advantages of Cloud Computing and Knowledge Check | 95 | Fundamentals of AWS Pricing and Knowledge Check | 45 | Amazon Elastic Compute Cloud (EC2) and Demo | 60 |
| **Self-Assessment:** Who Am I? | 45 | What is Cloud Computing and Knowledge Check | 45 | **Exit Ticket** | 20 | AWS Infrastructure Overview and Knowledge Check | 45 | **Lab:** Introduction to Amazon EC2 and Knowledge Check | 60 |
| **Activity:** Introduction to Amazon Leadership Principles | 30 | **Exit Ticket** | 20 | Flex Time | 30 | **Exit Ticket** | 20 | **Break** | 15 |
| Introduce Exit Ticket Activity | 15 | Flex Time | 15 | | | Flex Time | 10 | **Recap and Quiz:** Cloud Foundations | 45 |
| **Exit Ticket** | 20 | | | | | | | Review Cloud Foundations | 20 |
| Flex Time | 65 | | | | | | | **Exit Ticket** | 20 |

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## WEEK 2 - LINUX

| DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|
| Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 |
| Introduction to Linux | 50 | Editing Files | 65 | Lab: Working with Files and Knowledge Check | 60 | Lab: Working with Commands | 75 | The Bash Shell | 75 |
| Lab: Introduction to Linux and Knowledge Check | 30 | Break | 15 | Break | 15 | Break | 15 | Lab: Bash Shell and Knowledge Check | 50 |
| Break | 15 | Lab: Editing Files and Knowledge Check | 75 | Managing File Permissions | 60 | Managing Processes | 65 | Break | 15 |
| Linux Command Line | 75 | Working with the File System | 65 | Lab: Managing File Permissions and Knowledge Check | 65 | Lab: Managing Processes and Knowledge Check | 75 | Bash Shell Scripting | 110 |
| Lunch | 45 | Lunch | 45 | Lunch | 45 | Lunch | 45 | Lunch | 45 |
| Lab: Linux Command Line and Knowledge Check | 45 | Lab: Working with the File System and Knowledge Check | 60 | Working with Commands | 90 | Managing Services | 65 | Lab: Bash Shell Scripting and Knowledge check | 55 |
| Users and Groups | 65 | Break | 15 | Break | 15 | Break | 15 | Break | 15 |
| Break | 15 | Working with Files | 65 | Exit Ticket | 20 | Lab: Managing Services and Knowledge Check | 40 | Exit Ticket | 20 |
| Lab: Users and Groups and Knowledge Check | 60 | Exit Ticket | 20 | Flex Time | 60 | Exit Ticket | 20 | Flex Time | 45 |
| Exit Ticket | 20 | Flex Time | 5 | | | Flex Time | 15 | | |
| Flex Time | 10 | | | | | | | | |

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## WEEK 3 – LINUX, NETWORKING

| DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|
| Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 |
| **Activity:** Customer Obsession | 50 | **Challenge Lab:** Advanced Bash Shell Scripting on EC2 | 75 | Networking Concepts and Knowledge Check | 70 | IP Networking in AWS Cloud: Amazon Virtual Private Cloud (VPC) | 40 | **Activity:** Learn and Be Curious | 50 |
| Software Management | 40 | **Break** | 15 | **Break** | 15 | **Break** | 15 | **Break** | 15 |
| **Break** | 15 | Review Linux | 30 | Internet Protocol (IP) | 70 | AWS VPC Demonstration | 25 | Other Common Protocols and Knowledge Check | 60 |
| **Lab:** Software Management and Knowledge Check | 40 | **Lunch** | 45 | **Lunch** | 45 | **Lab:** Build a VPC and a Web Server and Knowledge Check | 60 | Introduction to Network Security | 25 |
| **Lunch** | 45 | Outlook | 135 | Knowledge Check | 15 | **Lunch** | 45 | **Lunch** | 45 |
| Managing Log Files | 70 | **Break** | 15 | **Break** | 15 | Emotional Intelligence | 90 | Threat Mitigation | 20 |
| **Break** | 15 | Introduction to Networking and Knowledge Check | 50 | IP Subnetting | 40 | **Break** | 15 | **Lab:** Research Anti-Malware and Knowledge Check | 60 |
| **Lab:** Managing Log Files and Knowledge Check | 35 | **Exit Ticket** | 20 | **Lab:** IP Addressing Considerations and Knowledge Check | 20 | Alumni presentation with Students | 90 | **Break** | 15 |
| **Exit Ticket** | 20 | Flex Time | 45 | **Lab:** Create a Subnetting Plan for a Small Network | 60 | **Exit Ticket** | 20 | Emerging Technologies | 25 |
| Flex Time | 100 | | | **Exit Ticket** | 20 | Flex Time | 30 | **Lab:** Research MDM Software and Knowledge Check | 60 |
| | | | | Flex Time | 50 | | | **Exit Ticket** | 20 |
| | | | | | | | | Flex Time | 35 |

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## WEEK 4 – NETWORKING, SECURITY

| DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|
| Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 |
| Review Networking | 30 | Introduction to Security | 35 | **Lab:** Security Architecture and Knowledge Check | 60 | Security Life Cycle - Prevention: Identity Management | 30 | AWS CloudTrail and Knowledge Check | 30 |
| **Break** | 15 | **Break** | 15 | **Break** | 15 | **Break** | 15 | **Break** | 15 |
| Digital Presence | 95 | **Lab:** Connecting to Vocareum cloud labs | 30 | AWS Security Groups and Knowledge Check | 20 | **Lab:** Manage passwords and Knowledge Check | 45 | AWS Config and Knowledge Check | 35 |
| **Lunch** | 45 | **Lab:** Increase your security awareness and Knowledge Check | 60 | Security Life Cycle - Prevention: Network Hardening and Knowledge Check | 40 | AWS Identity and Access Management (IAM) and Demonstration | 50 | Security Life Cycle - Response | 45 |
| Interview settings (lecture) | 35 | **Lunch** | 45 | **Lunch** | 45 | **Lunch** | 45 | **Lunch** | 45 |
| Interview process (lecture) | 50 | Security Life Cycle - Prevention: Network Discovery | 40 | Security Life Cycle - Prevention: Data Security | 35 | **Lab:** Introduction to IAM and Knowledge Check | 55 | **Lab:** Incident Response and Knowledge Check | 45 |
| Interview Practice | 45 | **Lab:** Interpret scanning results and Knowledge Check | 45 | **Lab:** Protect Data and Knowledge Check | 55 | Security Life Cycle - Detection | 85 | Security Life Cycle - Analysis | 45 |
| **Break** | 15 | **Break** | 15 | Security Life Cycle - Prevention: Public Key Infrastructure | 35 | **Break** | 15 | **Break** | 15 |
| Presentation from future peers at company | 45 | Security Life Cycle - Prevention: Systems Hardening | 30 | **Break** | 15 | **Lab:** Detect malware | 30 | **Lab:** Monitor a system and Knowledge Check | 45 |
| **Exit Ticket** | 20 | **Lab:** Harden servers and workstations and Knowledge Check | 60 | **Lab:** Configure a PKI and Knowledge Check | 75 | **Lab:** Social engineering | 30 | **Activity:** Earn Trust | 50 |
| Flex Time | 45 | Security Life Cycle - Prevention: Security Architecture | 30 | **Exit Ticket** | 20 | **Lab:** Penetration testing and Knowledge Check | 60 | **Exit Ticket** | 20 |
| | | **Exit Ticket** | 20 | Flex Time | 15 | **Exit Ticket** | 20 | Flex Time | 40 |
| | | Flex Time | 5 | | | | | | |

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## WEEK 5 – SECURITY, PYTHON PROGRAMMING

| DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|
| Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 |
| AWS Trusted Advisor and Knowledge Check | 60 | Introduction to Programming - What is Programming? | 25 | Lab: Categorize values | 60 | Lab: Create a git repository and Knowledge Check | 75 | Meet future peers at company | 45 |
| Break | 15 | AWS Cloud 9 Instructor Demonstration | 30 | Introduction to Programming - Combine Values into Composite Data Types | 15 | Break | 15 | Break | 15 |
| Best Practices for Opening an AWS Account and Knowledge Check | 35 | Break | 15 | Lab: Composite data types | 60 | Introduction to Python | 30 | Lab: Working with the string sequence and numeric weight of insulin in python and Knowledge Check | 60 |
| AWS Security Compliance Program and Knowledge Check | 35 | Lab: Hello World | 60 | Break | 15 | Lab: Preparing to analyze insulin with Python and Knowledge Check | 45 | Interview Practice | 45 |
| Lunch | 45 | Introduction to Programming - Categorize a Value as a Data Type | 20 | Introduction to Programming - Functions | 25 | Lunch | 45 | Lunch | 45 |
| AWS Security Resources and Knowledge Check | 35 | Lunch | 45 | Introduction to Programming - Follow the Execution Path of a Program | 15 | Activity: Have a Backbone | 50 | Flow Control | 145 |
| Review Security | 30 | Lab: Numeric data types | 80 | Lunch | 45 | Break | 15 | Break | 15 |
| Break | 15 | Lab: String data type | 60 | Lab: Conditionals | 60 | Python Basics | 165 | Lab: Calculating the net charge of insulin using python lists and loops and Knowledge Check | 55 |
| Interview Practice | 45 | Break | 15 | Lab: Loops | 60 | Exit Ticket | 20 | Exit Ticket | 20 |
| Hiring Process | 60 | Lab: List, tuple, dictionary | 60 | Break | 15 | | | | |
| Exit Ticket | 20 | Exit Ticket | 20 | Introduction to Programming - Version Control | 30 | | | | |
| Flex Time | 35 | | | Exit Ticket | 20 | | | | |

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## WEEK 6 – PYTHON PROGRAMMING, DATABASES

| DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|
| Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 |
| Functions | 80 | Python for System Administration | 80 | Knowledge Check (Debugging) | 15 | **Challenge lab:** Python | 60 | **Lab:** An Intro to databases and Knowledge Check | 65 |
| **Break** | 15 | **Break** | 15 | DevOps and Continuous Integration | 40 | **Break** | 15 | Creating Tables and Learning Different Data Types | 90 |
| **Lab:** Use functions to implement a Caesar Cipher and Knowledge Check | 105 | **Lab:** System Administration with Python and Knowledge Check | 75 | **Break** | 15 | Review Python | 30 | **Break** | 15 |
| **Lunch** | 45 | **Lunch** | 45 | **Lab:** Evaluate a DevOps tool | 45 | Exploring Cloud Job Postings | 90 | **Lab:** Creating tables and data types and Knowledge Check | 30 |
| Mods and Libraries | 80 | Debugging and Testing | 70 | **Lunch** | 45 | **Lunch** | 45 | **Lunch** | 45 |
| **Break** | 15 | **Lab:** Using the Debugger | 45 | **Lab:** Explore the value of automation | 45 | Explore Cloud Job Postings discussion | 45 | Interview Practice | 45 |
| **Lab:** File handlers and modules for retrieving information about insulin and Knowledge Check | 55 | **Break** | 15 | **Break** | 15 | Introduction to Databases | 40 | **Break** | 15 |
| **Exit Ticket** | 20 | **Lab:** Debugging Hello World and Caesar Cipher | 90 | **Lab:** Compare and contrast automation and orchestration and Knowledge Check | 60 | **Break** | 15 | Inserting Data into a Database | 55 |
| Flex Time | 15 | **Exit Ticket** | 20 | Configuration Management and Knowledge Check | 70 | **Lab:** Installing the pub1 database | 30 | **Lab:** Inserting Data and Knowledge Check | 40 |
| | | | | **Fact finding exercise:** Python | 75 | **Exit Ticket** | 20 | **Exit Ticket** | 20 |
| | | | | **Exit Ticket** | 20 | Flex Time | 40 | Flex Time | 10 |

**WEEK 7 – DATABASES**

| DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|
| Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 |
| Selecting Data from a Database | 90 | Lab: Performing a Conditional Search and Knowledge Check | 45 | Lab: Retrieving data from multiple tables and Knowledge Check | 55 | Knowledge Check (Dynamo DB) | 15 | Networking (soft skills) Continued | 100 |
| **Break** | 15 | **Break** | 15 | **Break** | 15 | **Fact finding exercise:** Databases and Review | 60 | **Break** | 15 |
| **Lab:** Selecting data from a database and Knowledge Check | 35 | Working with Functions | 60 | Transactions and Tables | 130 | **Break** | 15 | Interview Practice | 45 |
| Resume Creation (Lecture) | 35 | **Lunch** | 45 | **Lunch** | 45 | **Challenge lab:** Build and Access an RDS Server | 90 | **Lunch** | 45 |
| **Lunch** | 45 | **Lab:** Working with functions and Knowledge Check | 60 | **Lab:** Transactions and Tables and Knowledge Check | 40 | **Lunch** | 45 | Networking Event | 180 |
| Work on Resume | 45 | Organizing Data | 55 | Amazon RDS and Demonstration | 45 | Review Databases | 30 | **Exit Ticket** | 20 |
| **Break** | 15 | **Break** | 15 | **Break** | 15 | Work on Resume | 45 | Flex Time | 25 |
| Performing a Conditional Search | 130 | **Lab:** Organizing Data and Knowledge Check | 50 | **Lab:** Build Your DB Server and Interact with your DB using an App | 45 | **Break** | 15 | | |
| **Exit Ticket** | 20 | Retrieving Data from Multiple Tables | 40 | Knowledge Check (Amazon RDS) | 15 | Networking (soft skills) | 95 | | |
| | | **Exit Ticket** | 20 | Amazon Dynamo DB and Demonstration | 25 | **Exit Ticket** | 20 | | |
| | | Flex Time | 25 | **Exit Ticket** | 20 | | | | |

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# AWS re/Start Agenda

## WEEK 8 – JUMPSTART ON AWS (JAWS)

*AWS Architecture, Systems Operations Overview, Tooling and Automation, Compute (Servers)*

| DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|
| Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 |
| Technical thought process | 185 | **Fact Finding exercise:** Well-Architected Framework | 60 | Teamwork and Collaboration (Continued) | 90 | **Café Activity:** Install and use the AWS CLI and Knowledge Check | 90 | Work on Resume | 45 |
| **Break** | 15 | **Break** | 15 | **Break** | 15 | **Break** | 15 | **Break** | 15 |
| AWS Cloud Adoption Framework | 25 | Knowledge Check (Well-Architected) | 15 | **Introduce Systems Operations** | 15 | **Review Systems Operations** | 15 | Interview Practice | 45 |
| **Lunch** | 45 | Review Well Architected | 15 | **Activity:** Troubleshooting Knowledge Base Introduction | 15 | **Introduce Tooling and Automation** | 10 | **Lunch** | 45 |
| AWS Well-Architected Framework (WAF) | 30 | Work on Resume | 45 | **Lunch** | 45 | AWS Systems Manager | 30 | **Introduce Compute (Servers)** | 10 |
| Deep Dive WAF Principles | 20 | **Lunch** | 45 | Understanding Systems Operations | 60 | **Lunch** | 45 | Computing on AWS and Demonstration | 90 |
| **Break** | 15 | Teamwork and Collaboration | 65 | **Break** | 15 | **Lab:** Using AWS Systems Manager | 30 | **Break** | 15 |
| Understanding Reliability and High Availability | 20 | **Break** | 15 | AWS Identity and Access Management (IAM) Review and Demonstration | 90 | Administration and Development Tools | 25 | Managing Your AWS Instances | 75 |
| Example of Transitioning a Data Center to the Cloud | 30 | Teamwork and Collaboration (Continued) | 90 | AWS Command Line Interface (AWS CLI) | 75 | Hosting a Static Website on Amazon S3 | 15 | **Lab:** Creating Amazon EC2 Instances | 50 |
| **Exit Ticket** | 20 | **Exit Ticket** | 20 | **Exit Ticket** | 20 | **Break** | 15 | **Exit Ticket** | 20 |
| Flex Time | 5 | Flex Time | 45 | | | **Café Activity:** Create a website on Amazon S3 and Knowledge Check | 90 | Flex Time | 20 |
| | | | | | | **Review Tooling and Automation** | 15 | | |
| | | | | | | **Exit Ticket** | 35 | | |

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## WEEK 9 – JUMPSTART ON AWS (JAWS)

*Compute (Servers), Compute (Scaling and Name Resolution), Compute (Containers and Serverless), Compute (Databases)*

| DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|
| Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 |
| **Challenge lab:** Linux EC2 Instance | 75 | **Introduce Computing (Scaling and Name Resolution)** | 15 | Leading the Automatic Scaling Prediction Challenge | 85 | **Fact Finding Exercise:** Cloud Foundations 1 | 90 | Containers on AWS | 45 |
| **Break** | 15 | **Break** | 15 | **Break** | 15 | **Break** | 15 | **Break** | 15 |
| AWS Elastic Beanstalk | 35 | Elastic Load Balancing | 65 | Amazon Route 53 and Demonstration | 95 | **Introduce Compute (Containers and Serverless)** | 10 | AWS Step Functions | 65 |
| **Lunch** | 45 | **Lunch** | 45 | **Lunch** | 45 | AWS Lambda | 30 | **Café Activity:** Working with AWS Lambda | 90 |
| **Café Activity:** Troubleshoot create instance | 60 | ELB Load Balancers and Listeners | 80 | CloudFront | 15 | **Lunch** | 45 | **Lunch** | 45 |
| Knowledge Check (Compute [Servers]) | 15 | **Break** | 15 | **Break** | 15 | **Challenge Lab:** AWS Lambda | 105 | Knowledge Check (Compute [Containers and Serverless]) | 15 |
| **Review Compute (Servers)** | 15 | Amazon EC2 Auto Scaling | 80 | **Café Activity:** Amazon Route 53 Failover | 90 | **Break** | 15 | **Review Compute (Containers and Serverless)** | 15 |
| **Break** | 15 | **Lab:** Scale and Load Balance Your Architecture | 45 | Knowledge Check (Scaling and Name Resolution) | 15 | APIs and REST | 30 | **Break** | 15 |
| Networking Event | 90 | **Lab:** Using Auto Scaling | 45 | **Review Compute (Scaling and Name Resolution)** | 15 | Amazon API Gateway | 30 | **Introduce Compute (Databases)** | 30 |
| **Exit Ticket** | 20 | **Exit Ticket** | 20 | **Exit Ticket** | 20 | **Exit Ticket** | 15 | Amazon Redshift | 60 |
| Flex Time | 45 | Flex Time | 5 | Flex Time | 5 | Flex Time | 30 | **Exit Ticket** | 20 |
| | | | | | | | | Flex Time | 15 |

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**WEEK 10 – JUMPSTART ON AWS (JAWS)**

*Compute (Databases), Networking, Storage and Archiving*

| DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|
| Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 |
| Amazon Aurora | 60 | Amazon VPC connectivity | 90 | Work on Resume | 45 | **Lab:** Working with EBS | 50 | **Lab:** Managing Storage | 50 |
| Break | 15 | Break | 15 | **Break** | 15 | **Break** | 15 | **Break** | 15 |
| AWS Database Migration Service | 55 | Securing and Troubleshooting Your Network | 75 | Elevator Pitch | 65 | Instance Store | 60 | AWS Storage Gateway | 40 |
| **Café Activity:** Migrate to Amazon RDS | 80 | **Lunch** | 45 | Interview Practice | 45 | Elastic File System | 45 | AWS Data Transfer and Migration Services | 45 |
| **Lunch** | 45 | **Lab:** Configuring a VPC | 50 | **Lunch** | 45 | Elastic File System Demonstration | 15 | **Lunch** | 45 |
| Knowledge Check (Compute [Databases]) | 15 | **Break** | 15 | **Introduce Storage and Archiving** | 10 | **Lunch** | 45 | **Challenge Lab:** Amazon S3 | 75 |
| **Review Compute (Database Services)** | 15 | **Café Activity:** Troubleshoot an Amazon VPC | 90 | Cloud Storage Overview | 40 | Amazon Simple Storage Glacier | 60 | **Break** | 15 |
| Break | 15 | Knowledge Check (Networking) | 15 | **Break** | 15 | **Break** | 15 | **Café Activity:** Working with Amazon S3 | 90 |
| **Introduce Networking** | 10 | **Review Networking** | 15 | Amazon Elastic Block Store | 105 | Amazon S3 Glacier Demonstration | 10 | Knowledge Check (Storage and Archiving) | 15 |
| Cloud Networking-Amazon VPC | 75 | Exit Ticket | 20 | Amazon EBS Demonstration | 20 | Deep Dive: Amazon S3 and the AWS CLI | 60 | **Review Storage and Archiving** | 15 |
| **Exit Ticket** | 20 | | | **Exit Ticket** | 20 | **Exit Ticket** | 20 | **Exit Ticket** | 20 |
| Flex Time | 25 | | | Flex Time | 5 | Flex Time | 35 | Flex Time | 5 |

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## WEEK 11 - JUMPSTART ON AWS (JAWS)

*Monitoring and Security, Managing Resource Consumption, Creating Automated and Repeatable Deployments*

| DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|
| Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 |
| **Introduce Monitoring and Security** | 10 | **Café Activity:** Working with AWS CloudTrail and Knowledge Check | 90 | **Café Activity:** Optimize Utilization and Knowledge Check | 60 | Amazon EC2 Launch Templates | 75 | Troubleshoot with AWS CloudFormation | 60 |
| Amazon CloudWatch | 75 | **Break** | 15 | **Break** | 15 | Amazon EC2 Launch Templates Demonstration | 15 | **Break** | 15 |
| **Break** | 15 | **Review Monitoring and Security** | 15 | **Review Managing Resource Consumption** | 15 | **Break** | 15 | **Café Activity:** Troubleshoot AWS CloudFormation Deployments | 45 |
| Deep Dive: Amazon CloudWatch - Logs and Events | 60 | **Introduce Managing Resource Consumption** | 10 | **Fact Finding exercise**: Cloud Foundations 2 | 75 | Infrastructure as Code | 30 | **Lunch** | 45 |
| **Lunch** | 45 | Introduction to AWS Organizations | 25 | **Lunch** | 45 | Introduction to JSON and YAML | 60 | **Fact Finding Exercise:** CloudFormation | 60 |
| **Lab:** Monitoring your applications and infrastructure | 65 | **Lunch** | 45 | Networking Event | 65 | **Lunch** | 45 | **Break** | 15 |
| **Break** | 15 | Tagging | 35 | **Introduce Creating Automated and Repeatable Deployments** | 10 | AWS CloudFormation | 95 | **Challenge Lab:** CloudFormation | 90 |
| AWS CloudTrail | 75 | **Lab:** Managing Resources with Tagging | 30 | **Break** | 15 | **Break** | 15 | Knowledge Check (Creating Automated and Repeatable Deployments) | 15 |
| AWS Service Integration with Amazon Athena | 30 | Cost Management and Best Practices and Billing Demonstration | 65 | Creating Automated and Repeatable Deployments | 45 | **Lab:** Automate Deployments with AWS CloudFormation | 45 | **Review Automated and Repeatable Deployments** | 15 |
| **Exit Ticket** | 20 | **Break** | 15 | AMI Building Strategy | 60 | **Exit Ticket** | 20 | **Exit Ticket** | 35 |
| Flex Time | 20 | AWS Support Services | 40 | **Exit Ticket** | 20 | Flex Time | 15 | | |
| | | **Exit Ticket** | 20 | Flex Time | 5 | | | | |
| | | Flex Time | 25 | | | | | | |

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## WEEK 12 – CERTIFICATION PREPARATION

*Course wrap-up, Certification preparation, Cloud Practitioner exam*

| DAY 1 | | DAY 2 | | DAY 3 | | DAY 4 | | DAY 5 | |
|---|---|---|---|---|---|---|---|---|---|
| Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 | Recap | 20 |
| Review AWS re/Start Post-Graduate Resources | 45 | Cloud Practitioner Essentials Knowledge Checks | 75 | Review product FAQ, review AWS, AWS whitepapers, exam blueprint | 80 | Review product FAQ, review AWS, AWS whitepapers, exam blueprint | 80 | Exam Day | 335 |
| **Break** | 15 | **Break** | 15 | **Break** | 15 | **Break** | 15 | | |
| Interview practice | 80 | Cloud Practitioner Essentials Knowledge Checks | 80 | Review product FAQ, review AWS, AWS whitepapers, exam blueprint | 85 | Review product FAQ, review AWS, AWS whitepapers, exam blueprint | 85 | | |
| **Lunch** | 45 | **Lunch** | 45 | **Lunch** | 45 | **Lunch** | 45 | | |
| Company Visit | 90 | Networking Event | 90 | Mock exam and review | 80 | Mock exam and review | 80 | | |
| **Break** | 15 | **Break** | 15 | **Break** | 15 | **Break** | 15 | | |
| Company Visit | 120 | Networking Event | 90 | Mock exam and review | 85 | Mock exam and review | 85 | | |
| **Exit Ticket** | 20 | **Exit Ticket** | 20 | **Exit Ticket** | 20 | **Exit Ticket** | 20 | | |

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