	Description	Deliverable
Week 1	Set up your AWS Account. If you don't have yet, create a new one using your personal email address. If you already have an AWS account, you may continue using it.	Provide evidence of an active account by submitting a screenshot of your AWS Management Console (e.g., showing your account ID or billing dashboard).
Week 2	Configure AWS Identity Center in your account. Create a new user and assign them a permission set using the predefined SecurityAudit job function policy.	Provide a screenshot showing the Identity Center instance, the user created, and the assigned permission set.

Description Deliverable Launch a new Windows Server EC2 Provide screenshots of your running instance using the Amazon Windows Windows EC2 instance in the AWS Server 2019 Base AMI or a later version. Management Console. The screenshots should clearly show the Ensure the instance is deployed in a instance's Name tag set to CSNpublic subnet and secured with a Bootcamp-Week3, the Security Group Week 3 Security Group that permits RDP inbound rules allowing RDP (port access (port 3389) only from your 3389) only from your public IP public IP address. Assign the instance address, and a successful Remote a Name tag with the value: CSN-Desktop (RDP) connection to the Bootcamp-Week3. instance.

In this task, you'll create two separate VPCs in your AWS environment to simulate a multi-VPC architecture. Configure VPC-A with the CIDR block 10.10.0.0/16 and VPC-B with 10.20.0.0/16. In each VPC, create one public subnet and one private subnet (you don't need to attach Internet or NAT Gateways). Then,	Provide clear screenshots from the AWS Console showing: the two VPCs and their CIDR blocks, the public and private subnets in each VPC, the VPC peering
establish a VPC peering connection between the two VPCs and update the route tables in each VPC to allow traffic to flow between them via the peering connection.	connection in Active status, and the route tables with routes pointing to the other VPC's CIDR block through the peering connection.

Description Deliverable For Week 5, your task is to deploy Grafana Submit screenshots showing your using Amazon ECS with Fargate. Grafana ECS cluster and running service, the is a popular open-source dashboard tool task definition with the that runs on port 3000. You'll use the grafana/grafana image, and the official Docker image grafana/grafana, security group rule allowing port create a task definition that exposes port 3000 access. Finally, include a Week 5 3000, and run it in a public subnet. Ensure screenshot of the Grafana login your security group allows inbound traffic page in your browser on port 3000. Grafana's default login credentials: Once the service/task is running, open • Username: admin http://<PUBLIC-IP>:3000 in your browser. · Password: admin

	Description	Deliverable
Week 6	In this task, you will deploy Metabase on Amazon ECS using the Fargate launch type and connect it to a PostgreSQL database hosted on Amazon RDS. You'll use the official Metabase Docker image from Docker Hub and configure the environment variables needed for database connectivity. Ensure both ECS and RDS are in the same VPC to allow communication. The RDS security group should allow inbound traffic on port 5432 from the ECS task.	Provide clear screenshots showing the RDS PostgreSQL instance details, the ECS task definition and running service, the security group rules allowing traffic from ECS to RDS on port 5432, and the Metabase setup screen confirming a successful connection to the database.

	Description	Deliverable
Week 7	This week, your task is to deploy a simple containerized application (e.g., Nginx or grafana/grafana) on Amazon ECS with Fargate, using appropriate CPU and memory settings. Once deployed in a public subnet, create a CloudWatch dashboard with widgets for CPUUtilization and MemoryUtilization to monitor the ECS task in real time. For deeper insight, simulate load by refreshing or stress testing the app and observe how the metrics change.	Submit screenshots showing your ECS cluster and running service, the task definition with CPU and memory settings, and your CloudWatch dashboard with CPU and memory widgets. Optionally, include a screenshot showing changes in metrics under simulated load.

	Description	Deliverable
Week 8	This week's task is to deploy a personal static website such as a resume , portfolio , or " About Me " page using Amazon \$3 and CloudFront. You will upload your HTML files to an \$3 bucket, enable static website hosting, and configure the bucket for public access by adding the appropriate bucket policy. After that, you will set up a CloudFront distribution that uses the \$3 bucket as its origin to securely deliver your content.	Provide screenshots of your \$3 bucket configuration showing that static website hosting is enabled, along with the bucket policy used to allow public access. Include a screenshot of your CloudFront distribution settings and its deployment status. Lastly, provide a screenshot of your live website as accessed through the CloudFront domain.
		7

Description **Deliverable** Provide screenshots of your Route Register a free domain on **freenom.com** 53 hosted zone, the validated SSL and connect it to AWS Route 53 by certificate in AWS Certificate updating the nameservers with those Manager, CloudFront settings with from your hosted zone. Create a CloudFront distribution that serves your S3 your custom domain, and your website loading over HTTPS. static website, then request and validate a free SSL certificate using ACM with DNS Week 9 validation in Route 53. Attach the If you simulated the steps, briefly certificate to CloudFront and confirm your describe your approach. site loads over **HTTPS** using your custom domain. If you cannot use a domain, follow the same steps and explain what you would have done.

Description	Deliverable
You are required to create an S3 bucket that will automatically trigger a Lambda function whenever a new file is uploaded to the bucket. The Lambda function should respond to the event by doing something simple. For example, it can print the name of the uploaded file, write a message to CloudWatch Logs, or send an email using Amazon SES to confirm the upload.	Provide screenshots of your S3 bucket showing the event trigger connected to your Lambda function. Also include a screenshot of your Lambda function code or settings. Finally, show proof that the function worked, like a log in CloudWatch or the email you received from SES.