

## AWS Solutions Arch Topics

- 1) Types of payment plans in AWS
- 2) export an Amazon Lightsail Linux-based instance to EC2
- 3) Launching Ec2 instances Linux/windows via Python and Ansible and AWS Cli and Lambda and Cloudformation with Drift
- 4) Configuring EC2 instance via ansible on prem/ec2?
- 5) Accessing Methods in linux/windows instances ?
- 6) Transfer an Amazon EC2 instance to a different AWS account via Keypairs ?
- 7) scp Command | Copy Files or Directories from Windows to Linux
- 8) Managing ports (Tomcat and IIS) in AWS via security groups and network Acl
- 9) Automatically remove unused old security groups using AWS Lambda
- 11) Protect the boot volumes getting terminated and Changing the Root Volume of an Instance to Persist Using the AWS CLI
- 12) Attaching and Deattaching partitions in linux/windows and Managing partitions in windows/Linux ?
- 13) Improve EC2 performance | Use Jumbo Frames MTU
- 14) Recovering Linux EC2 instance if you lose your private key
- 15) Managing Instance store volumes and EBS Volumes in AWS ?
- 16) Change instance types and Configuring instance metadata and Configuring MFA ?
- 17) Recovering windows passwords in AWS via EC2 ssm ?
- 18) configuring AMI images and shapshots and Increasing the performance of the EBS volumes and Managing Ec2 servers via System manager (stop and start) Taking image and snapshots via system manager ?
- 18) AWS Lambda Functions EBS Snapshots/Ami Replicator/Untagged volumes/Serverless AMI Images sheduled/Cloudwatch snapshots and EC2 instance state and status check via Lambda function and Fetching and Finding date and time of stopped ec2 instance and start and stop instances via Lambda
- 19) Automatically start/stop EC2 instances with Instance scheduler via DynamoDB
- 20) Amazon AWS EBS Backup via Lambda and CloudWatch
- 21) EPEL repository on my Amazon EC2 instance running CentOS, RHEL, or Amazon Linux

- 22) execute user data to auto-create a file with every restart of my Amazon EC2 instance ?
- 23) Configuring Life cycle manager in Ec2 and Encrypt EBS volumes in a single settings ?
- 24) Manage user accounts on my EC2 Linux instance in AWS and Launching a Linux Machine without a key file and user permissions to connect to my EC2 Linux instance using SSH and how to change ownership of the AWS Account (Transfer) ?
- 25) Configuring EIP and Assigning multiple elastic ip to single ec2 instances ?
- 26) Rotate aged SSH Keys automatically with AWS SSM | Improve AWS Security with key rotation at scale
- 27) Recover Lost ssh key for EC2 without downtime | Instance Store SSH Lost key Recovery using AWS SSM
- 28) EC2 Instance Connect | Access EC2 with temporary credentials | AWS Cloud Security
- 29) Host multiple websites with different Elastic IPs on a Linux EC2 instance
- 30) EC2 Instance Metadata Data Exfiltration Security Breach
- 31) AWS SSM Session Manager for Shell Access to EC2 Instances | Temporary SSH Credentials | Security
- 32) Configuring Amazon ssm agent and Configuring Amazon ssm agent in the hybrid cloud environment ?
- 33) manage Amazon EC2 instances which has no internet access with my AWS Systems Manager
- 34) Patching for your Amazon EC2 Instances
- 35) Transferring data from the private machines to ec2 instances (Linux/windows) ?
- 36) Recovering Ec2 Linux Server from the Key Loss and Userdata to check the EC2 Linux Logs and How to check AWS Down or not ?
- 37) How to bring our own encryption key (CMS) in AWS and How do I share my KMS CMK across accounts
- 38) Configuring Classic Load Balancer in ec2 and Configuring Application Load Balancer and Configuring Network Load Balancer ? and Connect a public-facing ELB to Ec2 instance that have private ip address ?
- 39) Configuring Bastion Host and NAT Instance and NAT Gateway ?
- 40) upgrade my EC2 Windows Server 2012R2 instance OS to Windows Server 2016

- 41) Configuring auto-scaling in ec2 and How do I reboot an instance in an AutoScaling Group?
- 42) configuring security groups for the ec2 instances and Configuring Open vpn access in AWS for Ec2 instances ?
- 43) Configuring shutdown-Hibernate in EC2 Instances ?
- 44) Configuring global accelerator connecting EC2 ?
- 45) Configuring AWS WAF and AWS ALB ?
- 46) Amazon EventBridge - Schedule an AWS Lambda Function
- 47) Amazon EventBridge - Invoke Lambda on EC2 State Change and send message to SQS
- 48) Grant my Amazon EC2 instance access to an Amazon S3 bucket in another AWS account
- 49) Automatically Fix EC2 Windows Activation Issues Using AWS Systems Manager
- 50) DataSync to transfer data from an Amazon EFS file system to an Amazon S3 bucket
- 51) Automate creation of AMIs based on my EBS-backed EC2 instance
- 52) Building up-to-date Golden Windows AMIs using AWS Systems Manager Automation
- 53) Running Hyper-V on Amazon EC2 Bare Metal Instances
- 54) Trigger lambda function on DynamoDB table modification
- 55) Upload my Windows Logs to Amazon CloudWatch and Automatically Manage CloudWatch Log Retention Days | Reduce CloudWatch Log Costs | Lambda In Action
- 56) Creating a HAR file from browser to create a aws support case ?
- 57) Configuring AWS CLI and manage instances ?
- 58) Configuring cloudwatch to receive all the ec2 instance state notifications via SNS ?
- 59) set human-readable CloudWatch Events notifications for API calls using input transformers
- 60) monitor automatic recovery of my EC2 instances using CloudWatch alarms and SNS
- 61) Configuring cloudwatch to set the ALARMS in ec2 instances ?
- 62) How to bring own cloudwatch metrics in AWS ?
- 63) Configuring and recovering ec2 instances from failure in cloudwatch ?
- 64) share an encrypted Amazon EBS volume with another AWS account?

- 65) Mail alert when my AWS CloudFormation stack is in the ROLLBACK\_IN\_PROGRESS state ?
- 66) Configuring s3 buckets and IAM giving permissions to access s3 bucket in ec2 instances ?
- 67) Transfer file from ec2 instance to s3 bucket using lambda function ?
- 68) configuring and managing s3 buckets via aws cli ?
- 69) Configuring s3fs and mounting the bucket inside ec2 ?
- 70) Configuring Multipartupload in s3 ?
- 71) Amazon S3 - Object Lock
- 72) AWS Lambda function | Copy files from one S3 bucket to another S3 bucket as soon as uploaded
- 73) AWS Lambda function | Delete files from S3 as soon as uploaded
- 74) Real Time S3 event processor | Trigger Lambda on S3 File Upload | Monitor S3 Events with Lambda
- 75) AWS Transfer for SFTP to S3 | Fully Managed SFTP Service | How to set up SFTP to upload files to S3
- 76) How to give ACL permission other user to access the S3 bucket in the Other AWS Account ?
- 77) How to restrict access to the bucket via Bucket policy and Scripts/Json policy?
- 77) Mounting the s3 bucket in windows server 2012 via Tnt drive
- 79) Configuring event notifications for the s3 bucket via SNS notifications?
- 80) Recovering instance from SSH Authentication problems ?
- 81) Cross Account Access Implementation | How to setup Cross AccountRoleinAWS ?
- 82) cross-account access to objects stored in my Amazon S3 bucket
- 83) Configuring versioning and Secure S3 Bucket S3 Secure Transport Allows Access to S3 only through HTTPS and Deny HTTP
- 84) configuring static web site hosting ?
- 85) configuring cross region replication in s3 same account ?
- 86) Configuring cross region replication in different aws account ?
- 87) S3 Cross Region Replication with KMS Encrypted Objects ?
- 88) configuring server access logs in s3 bucket ?
- 89) configuring IAM role for the IAM user to access the particular bucket and use IAM policy tags to restrict how an EC2 instance or EBS volume created
- 90) Configuring AWS Config and configuring Rules ?

- 91) Configuring ElasticBeanstalk in AWS ?
- 92) Configuring OpsWorks chef Layers ?
- 93) Configuring cloudtrail in s3 bucket ?
- 94) IAM evaluation logic work using an explicit Deny policy with multiple condition keys
- 95) view and track account activity history for specific IAM users and roles
- 96) Centralize CloudTrail Log Files from Multiple Accounts, Multiple Regions | Governance & Compliance
- 97) configuring s3cmd and Managing S3 bucket ?
- 98) I accidentally disabled network connectivity to my EC2 instance running Windows. How do I fix it?
- 99) configuring storage classes ?
- 100) configuring s3 bucket life cycle policy ?
- 101) Configuring VPC endpoints to access the s3 bucket without internet connections ?
- 102) Configuring pre-signed URL and Execute user data after the initial launch of my EC2 instance ?
- 103) Configuring Storage File Gateway ?
- 104) Create an NFS file share for Windows Server 2016 via Storage Gateway
- 105) Configuring Storage Volume gateway ?
- 106) Configuring Fsx storage in AWS and Mount FSx Lustre File System and connect to it using Linux EC2 ?
- 107) Configuring EFS ?
- 108) configuring ec2 instance to store all logs in the cloudwatch and configuring IAM user and give access ?
- 109) Configuring vpc flow logs in cloud watch and s3 bucket ?
- 110) Configuring AWS ElastiCache Memcached
- 111) Configuring AWS ElastiCache Redis
- 112) Configuring Rds in aws and IAM user RDS database Authentication ?
- 113) Configuring AWS RDS security use SSL to encrypt a connection to a DB instance and create another master user for my Amazon RDS DB instance that is running MySQL ?
- 114) connect to a private Amazon RDS instance from local system through EC2 as a bastion host
- 115) Share AWS RDS Snapshot between two AWS Accounts ?
- 116) least privileges required for a user to perform creates, deletes,

modifications, backup, and recovery for an Amazon RDS DB instance

117) Configuring DMS Mysql to RDS

118) Configuring DMS S3 to RDS

119) Configuring DMS mysql to s3

120) Configuring RedShift Cluster ?

121) Configuring VPC in aws ?

122) AWS VPC Reachability Analyzer Network Configuration Analysis Tool

123) migrate from a NAT instance to a NAT gateway ?

124) AWS Cloud Security | NACL Rules | Why we need to configure ephemeral ports on NACL for web servers?

125) configuring vpc peering connections (same account/differentaccount)

126) Configuring VPC peering connection between 3 Vpcs ?

127) Inter-Region Peering Support is Available with AWS Transit Gateway and Configuring Transist Gateway

128) configuring VPN connection in Aws ?

129) Configuring Lambda functions and restrict access to SG ?

130) Serverless Cloudwatch Logs To S3 Exporter

131) Configuring Elastic container service with docker and jenkins ?

132) configuring cloudformation and Automate AWS Infrastructure Provisioning using Boto3 ?

133) AWS CloudFormation Configuration Drift | Identify & Fix ?Configuration Deviations | IaC

134) Configuring cloudfront ?

135) Configuring Route53 ?

136) Automation in AWS via python?

137) configuring SQS service in aws ?

138) Configuring Kubernetes in AWS and Configuring Kubernetes pods in AWS ?

139) Configuring AWS Inspector ?

140) Configuring AWS GuardDuty ?

141) Serverless IAM Access Key Rotation Identify Old Access Keys Use Lambda to secure AWS ?

142) Docker Installation | Docker containers on CentOS | Docker on AWS EC2 instance

143) Important Docker commands | Docker Commands | Docker basic commands

- 144) Configuring Docker Hub Registry and login to a docker container
- 145) Configuring Directory Service and create a DHCP options set for my AWS directory ?
- 146) Amazon Linux instance to Active Directory with AWS
- 147) AWS Systems Manager to join a new instance to my AWS Directory Service domain
- 148) create a trust relationship with my on-premises domain and the AWS Directory Service
- 149) Configuring workspaces ?
- 150) Configuring AD Connector ?
- 151) Configuring Server Migration in AWS ?
- 152) Migration a server from windows Azure to aws ?
- 153) Configuring Server Migration from the GCP to AWS via CloudEndure ?
- 154) AWS Cloud Development Kit (AWS CDK) | AWS Cloud Development Kit | Create a Custom VPC in CDK
- 155) Configuring AWS CodeCommit, CodeDeploy, CodePipeline
- 156) Ansible with AWS Systems Manager State Manager
- 157) Running Ansible playbook using AWS Systems Manager
- 158) AWS DynamoDB Global Tables: Multi Region, Multi Master Database
- 159) DynamoDB Streams | Capturing Table Activity with Dynamo DB Streams | Trigger Lambda for processing
- 160) Amazon QLDB - Create Ledger Tables Indexes and Insert Data
- 161) Amazon Aurora Backtrack configuration
- 162) AWS Rds-Failover Database configuration
- 163) Configuring AWS RDS Read Replica across AWS Region
- 164) Setup Site-to-Site VPN Connection
- 165) AWS Transit Gateway Implementation in AWS VPC
- 166) AWS Transit gateway with VPN Tunnel Setup
- 167) AWS DataSync Copy data from S3 to EFS and On-prem to S3 ?
- 168) Configuring AWS SecretManager
- 169) Configuring Athena
- 170) Configuring AWS Organizations