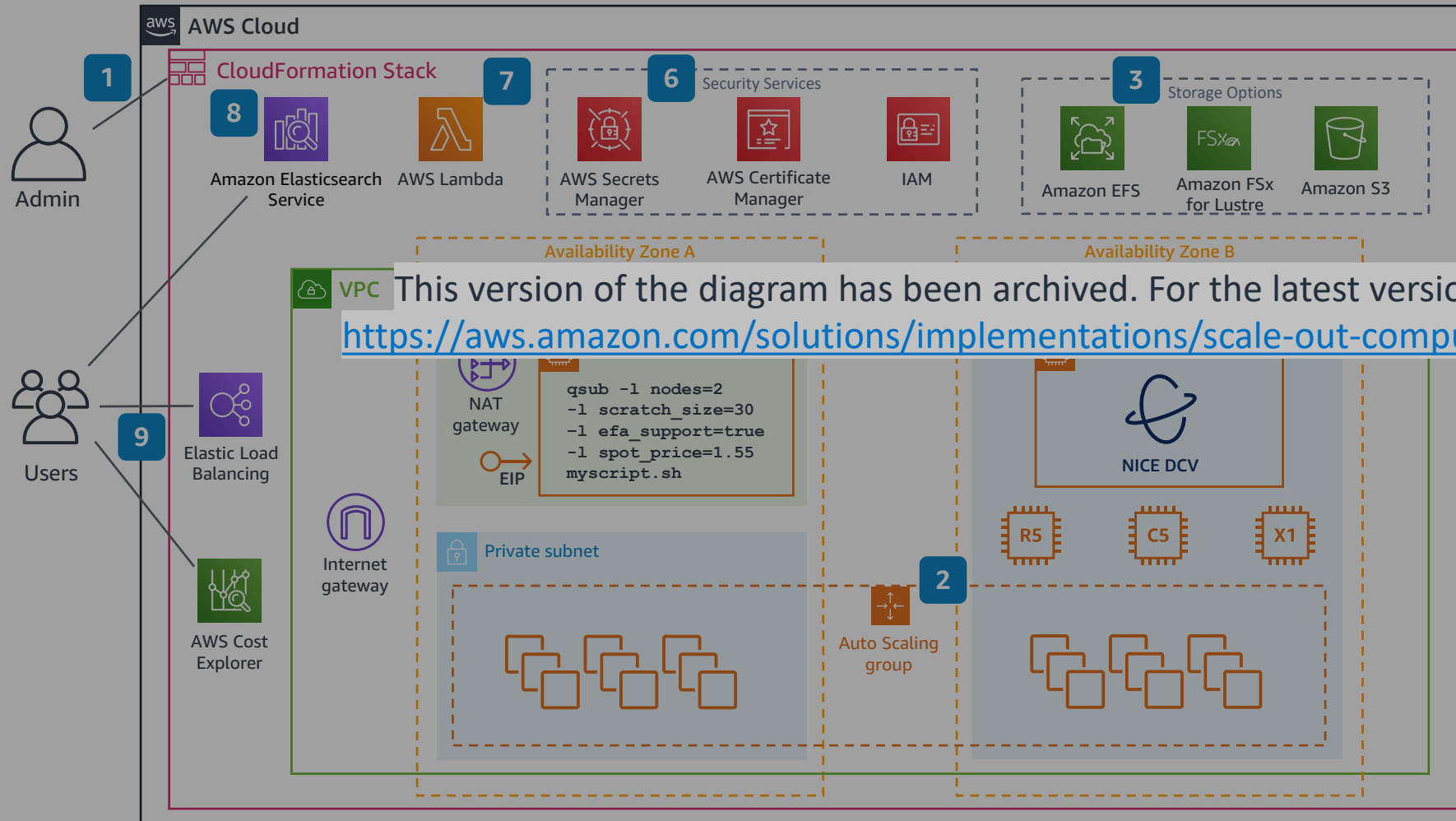


Scale-Out Computing on AWS, Services Used

Launch a turnkey scale-out computing environment in minutes

Solution location: <https://aws.amazon.com/solutions/scale-out-computing-on-aws/>



- 1 Specify required parameters (VPC, Subnet, storage, etc.) and launch the **AWS CloudFormation** stack, which launches several nested stacks.
- 2 Choose to run in **multiple Availability Zones**, or use auto-reallocation in the case an instance isn't available in the Availability Zone.
- 3 Choose from several storage options: **Amazon EFS, Amazon FSx for Lustre, Amazon S3, Amazon EBS, and Instance Store.**
- 4 Launch a 2D or 3D Workstation that uses **NICE DCV**, that can be used to submit batch jobs and run GUI tools.
- 5 Launch a 2D or 3D Workstation that uses **NICE DCV**, that can be used to submit batch jobs and run GUI tools.
- 6 Security services and resources that are used include **AWS Secrets Manager, AWS Certificate Manager, Security Groups, and AWS Identity and Access Management (IAM).**
- 7 **AWS Lambda** is used throughout the entire deployment and architecture.
- 8 **Amazon Elasticsearch Service** is used to launch an analytics dashboard.
- 9 **Elastic Load Balancing** is used to ensure accessibility across Availability Zones, and **Cost Allocation Tags** are used with **AWS Cost Explorer.**



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