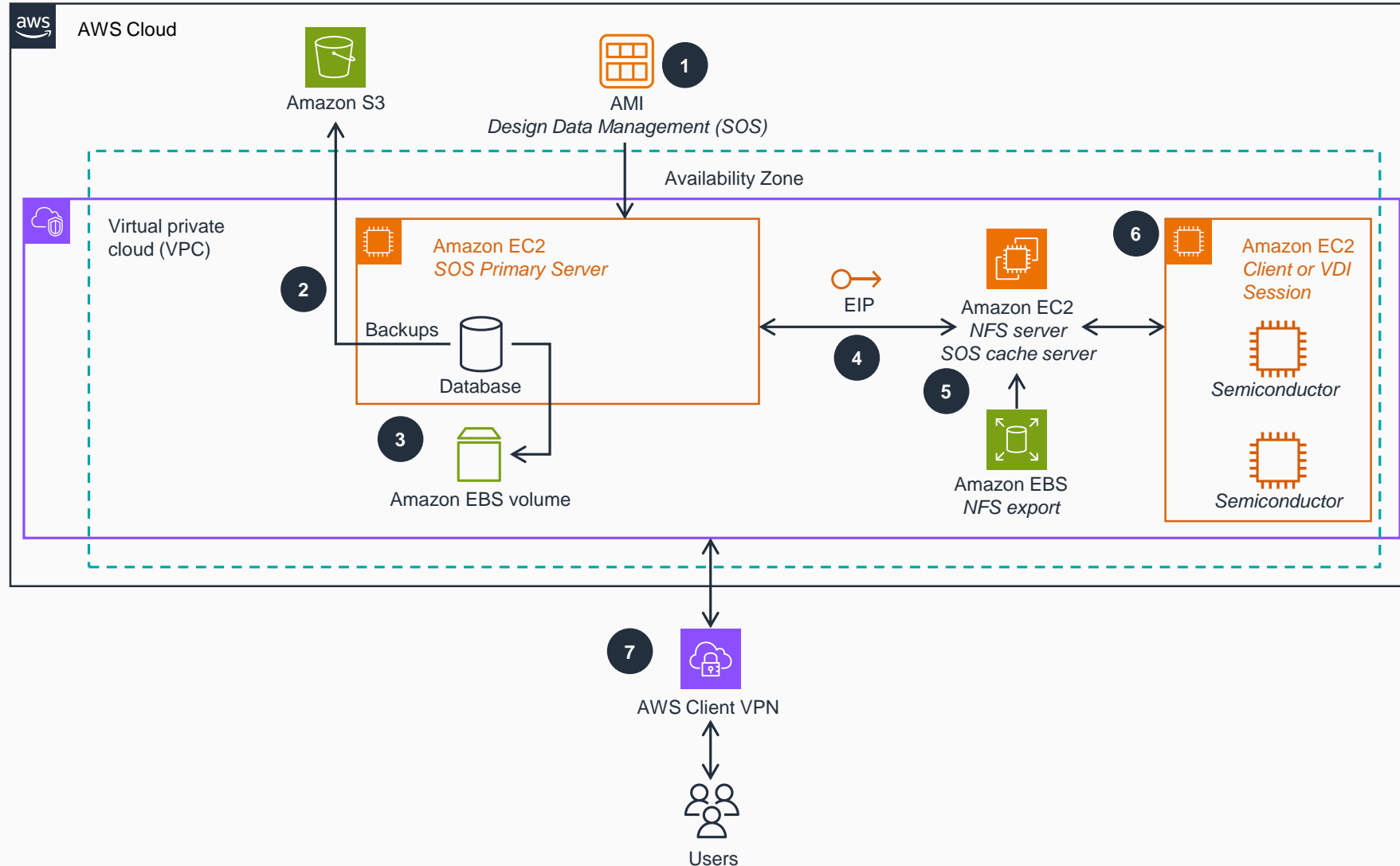


Guidance for Deploying Design Data Management (SOS) on AWS

This architecture diagram shows how you can set up a design data management platform on AWS.



- 1 Use the Design Data Management (SOS) **Amazon Machine Image (AMI)** to set up an SOS primary server on an **Amazon Elastic Compute Cloud (Amazon EC2)** instance. The **AMI** is preconfigured with the latest SOS server, a license server, a PostgreSQL database to store design projects, and an **Amazon Simple Storage Service (Amazon S3)** bucket.
- 2 The SOS server runs continuous hot backups of intellectual property and other design data to the **S3** bucket.
- 3 The SOS server persistently stores design projects to an **Amazon Elastic Block Store (Amazon EBS)** volume. The server is preconfigured to use the recommended gp2 volume with 500 GB disk space by Keysight.
- 4 Use an **Elastic IP Address (EIP)**, a feature of **Amazon EC2**, to export the NFS, allowing NFS clients to mount across Availability Zones, Regions, and on-premises data centers.
- 5 Configure the NFS server on an **EC2** instance backed by a non-volatile memory express (NVMe) **EBS** volume. Deploy the SOS cache server on the same instance.
- 6 Semiconductor workflows use the NFS mount for running jobs in batch mode or mounted on workstations using a virtual desktop interface (VDI).
- 7 Use **AWS Client VPN** to connect to the Design Data Management (SOS) environment on AWS.

