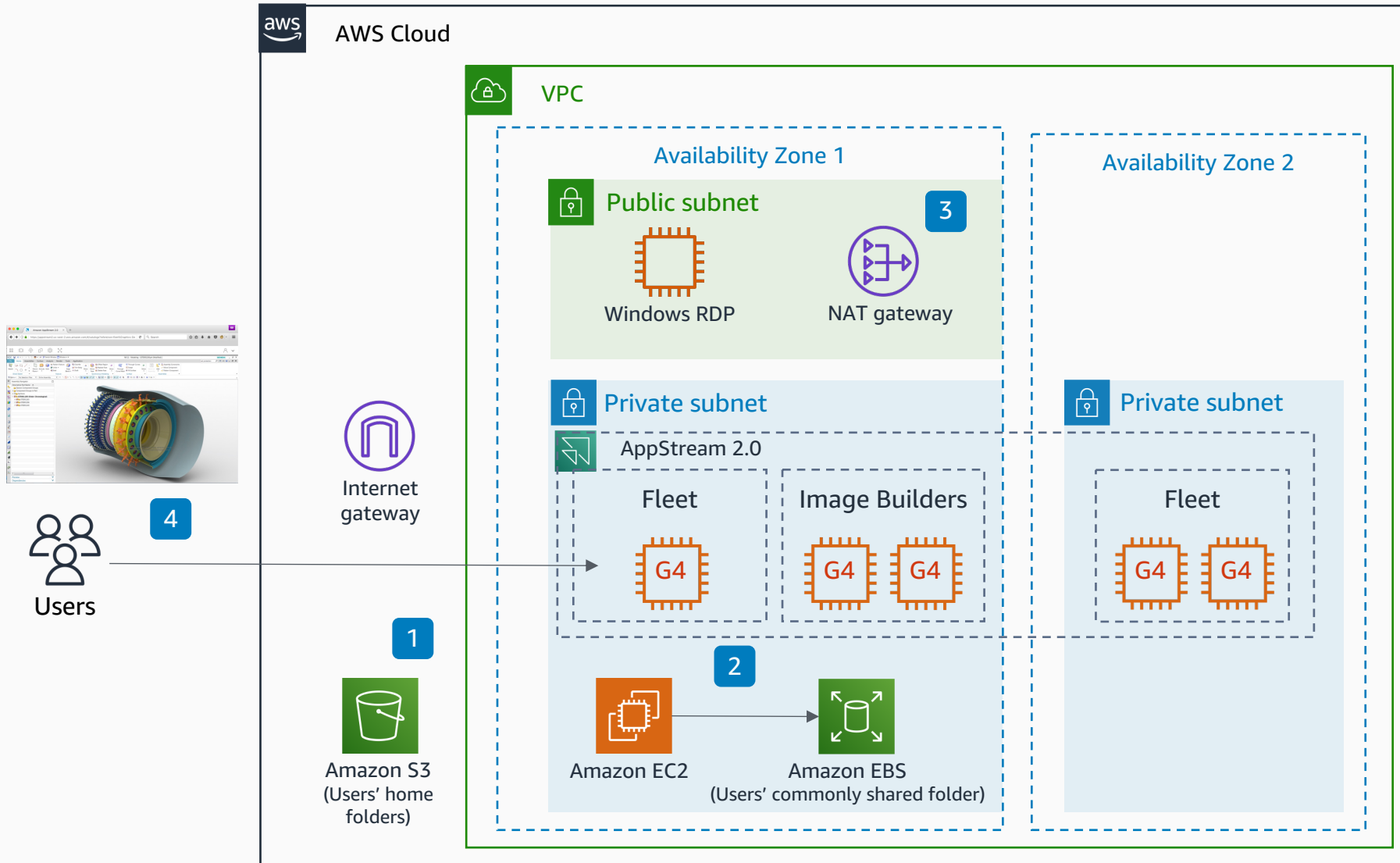


Siemens NX on Amazon AppStream 2.0

An architectural blueprint for providing secure access to Siemens NX hosted in the AWS Cloud using an Amazon EBS volume for shared folders

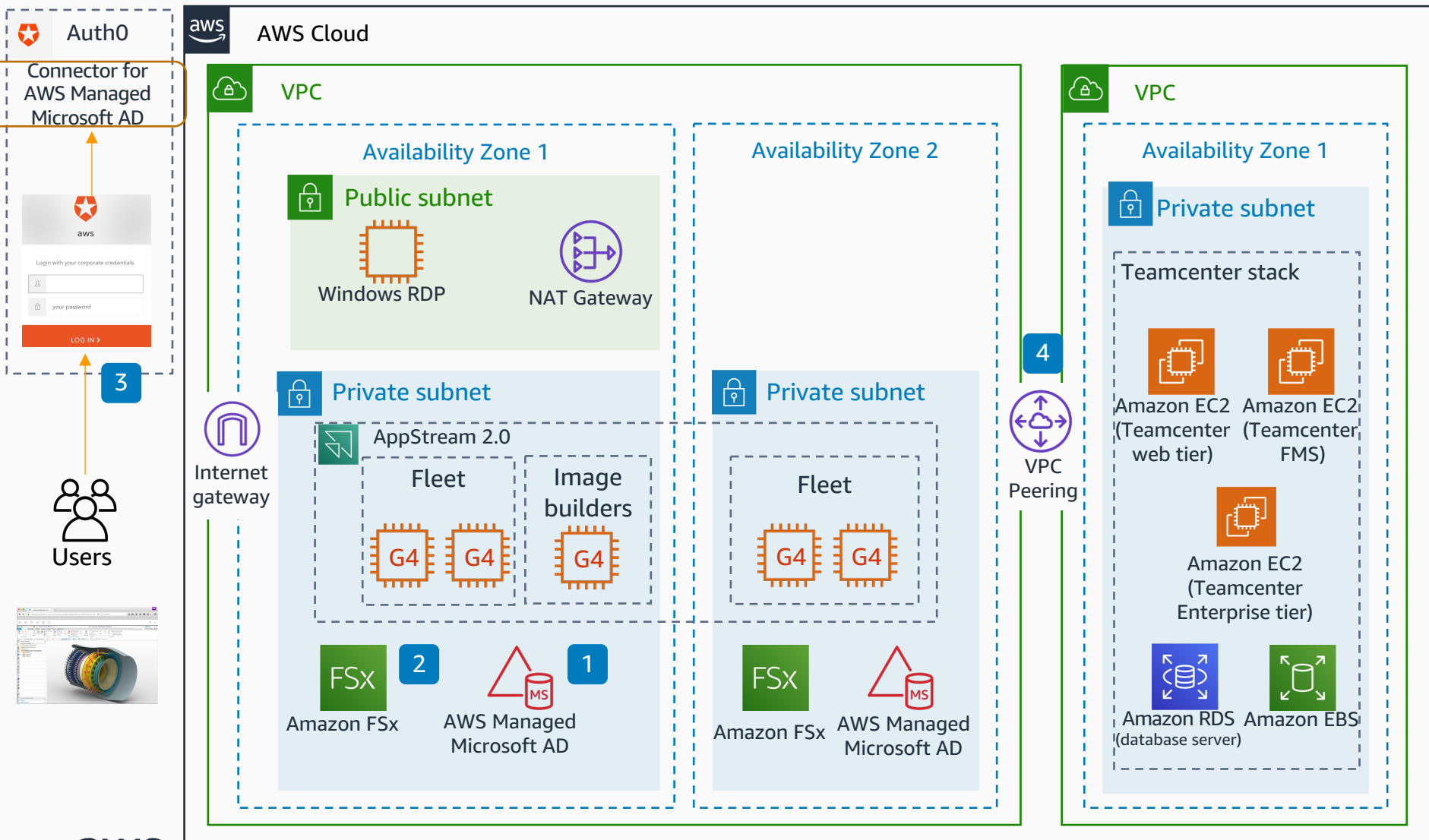


- 1 In the process of setting up **Amazon AppStream 2.0** image builder, the user can select the **Amazon Simple Storage Service (Amazon S3)** folder as the user home folder to persist application settings, users' data, and files.
- 2 An **Amazon Elastic Compute Cloud (Amazon EC2)** instance is launched to host the **Amazon Elastic Block Store (Amazon EBS)** volume. The **Amazon EC2** instance is used as a server message block (SMB) share to serve its **Amazon Elastic Block Store (Amazon EBS)** volume as a shared folder for all users of **AppStream 2.0**.
- 3 The Windows Remote Desktop Protocol (RDP) instance acts as a jump server to connect to the **Amazon EC2** instance on a private subnet.
- 4 Users connect to their streaming instances over a web browser or the **AppStream 2.0** Windows client.



Siemens NX on Amazon AppStream 2.0 connected to Siemens Teamcenter

Use Amazon FSx as a storage option



1 **AWS Directory Service for Microsoft Active Directory** is used to manage user, computers, and storage as **Amazon FSx**. **Amazon AppStream 2.0** can then join the domain as configured in Active Directory. Authorized users in Active Directory are then able to access **AppStream 2.0** sessions.

2 **Amazon FSx** is replicated across multiple Availability Zones, and is accessible in an **AppStream 2.0** session. User folders and shared folders in **Amazon FSx** can be configured for users by using Active Directory Group Policy access.

3 Single sign-in is established through federation of Active Directory SAML2.0 with Auth0.

4 Siemens NX is streamed through **AppStream 2.0** and communicates through the VPC peer to Siemens Teamcenter running on another VPC.



Minimize latency by cross replication of storage across Regions

