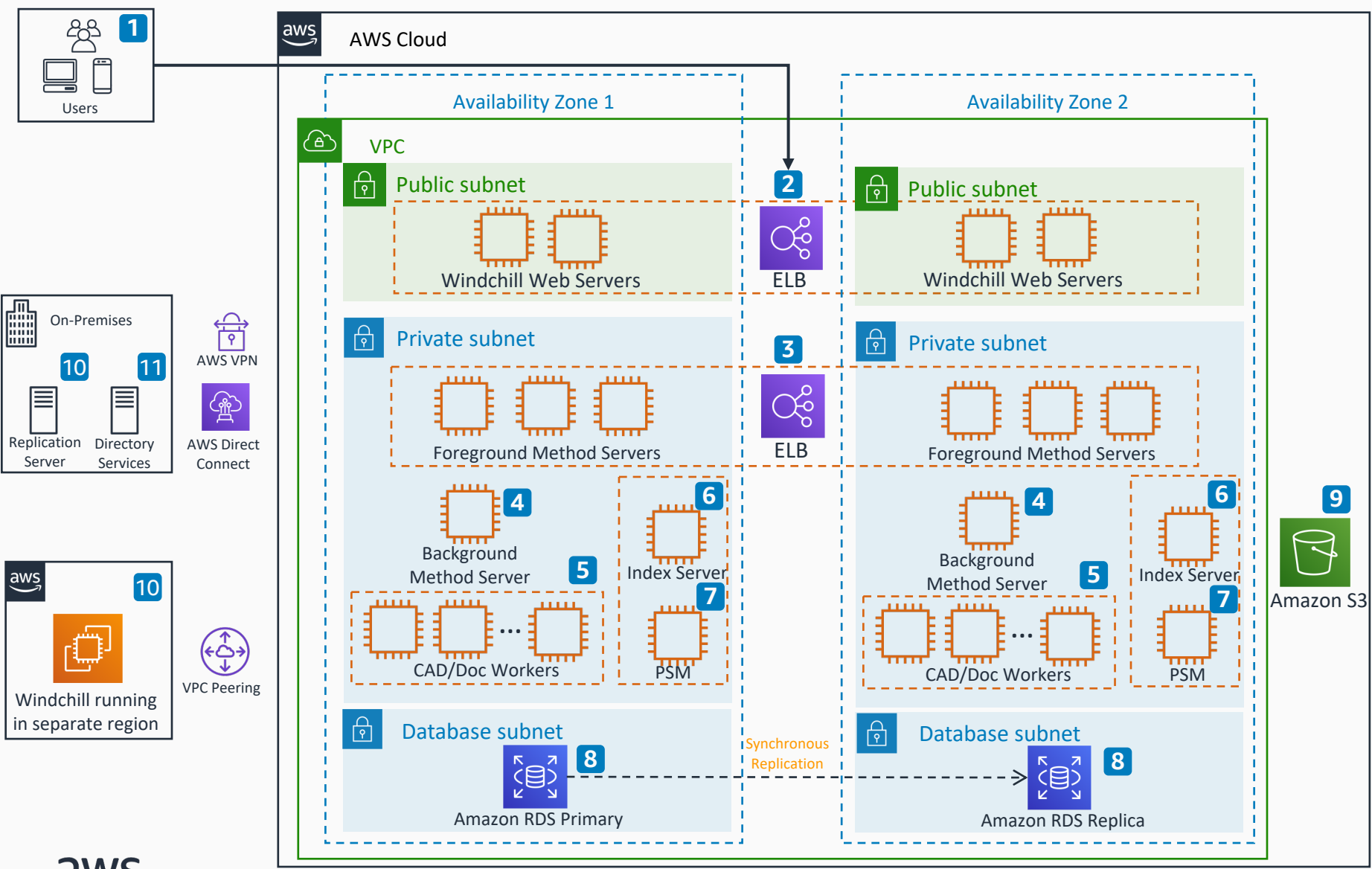


# PTC Windchill Product Lifecycle Management on AWS

Highly available and load balanced configuration of Windchill on AWS that automatically scales on demand.



- 1** Users can connect to the system via a Web browser, Office apps, CAD tool or mobile devices.
- 2** **Elastic Load Balancing** directs user traffic to the Windchill web servers based on availability of the application on each node.
- 3** **Elastic Load Balancing** directs traffic to the Method Servers for client transactions and interactions with other systems.
- 4** Background Server running on **Amazon EC2** instance performs dynamic generation of content for the end users or backend systems.
- 5** Windchill cluster uses CAD/Doc Workers to create PDF version of CAD and Office content and stores them in **Amazon S3**.
- 6** Solr Index Server on **Amazon EC2**, used for key word searches that include searching across metadata stored in the database
- 7** Utilize PTC Solution Monitor (PSM) as a real time performance monitoring tool for the system, application and database.
- 8** **Amazon RDS** database is used to store metadata for the application configured with synchronous replication across AZs.
- 9** The Windchill application uses the **Amazon S3** file storage to store content files.
- 10** Windchill replicates content for user collaboration using Replication Server across Windchill workloads using **VPC Peering**.
- 11** Integrate corporate LDAP for both authentication and account management for Windchill using Directory Services.

