Siemens Teamcenter Product Lifecycle Management on AWS

High available cloud architecture diagram For Siemens Teamcenter with Siemens Active Workspace and visualization with Siemens Managed Service

End users connect to Teamcenter via an end-point URL provided for each tenant.

Application Load balancer directs user traffic based on the load and availability to the Teamcenter Web tier on Amazon EC2.

The requests are forwarded to Teamcenter Enterprise Tier, which interacts with the other servers and database.

Teamcenter servers use Amazon RDS Oracle or Amazon Aurora Postgres to store structured product lifecycle management (PLM) data.

Teamcenter File Management System stores and retrieves user files from AWS Elastic Block Store. It supports caching and file distribution mechanism through NetApp ONTAP.

Teamcenter Active Workspace on Amazon EC2 provides a streamlined and intuitive user experience to access information and processes relevant to user roles.

Apache Solr index server on Amazon EC2 is used for keyword searches and real-time indexing of PLM data.

Customer data center users can access Teamcenter test or production environments on AWS via AWS Direct Connect or AWS VPN connection to test or deploy Teamcenter configuration.

Siemens’ support team connects to AWS via AWS VPN connection to gain access to any Amazon EC2 instance via AWS Remote Desktop Protocol (RDP) or JumpBox.

Monitoring server on Amazon EC2, is used to monitor systems, networks and infrastructure of Teamcenter.

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