

VDI ON AWS FOR A GLOBAL ENGINEERING COMPANY



USE CASE - 1

BUSINESS CHALLENGE:

- Japanese engineering, procurement and construction company serving mainly the hydrocarbons and petrochemical sectors worldwide.
- Had systems with High powered configuration but could not deliver to these users for 3d Modelling.
- Very difficult to send desktop units to users.
- Would be difficult to set HPC units at home, due housing size.
- Latency of the network and Lag of the Application used over VPN.
- Very difficult to replace present HPC unit if any issues develop on the unit.
- Backup of the data on the unit could be difficult over bad network.
- Scalability in configurations and numbers of HPC unit if new projects won.
- Some users may need to use personal device, which may be against Company's policy & compliance.
- Data should reside in India boundaries

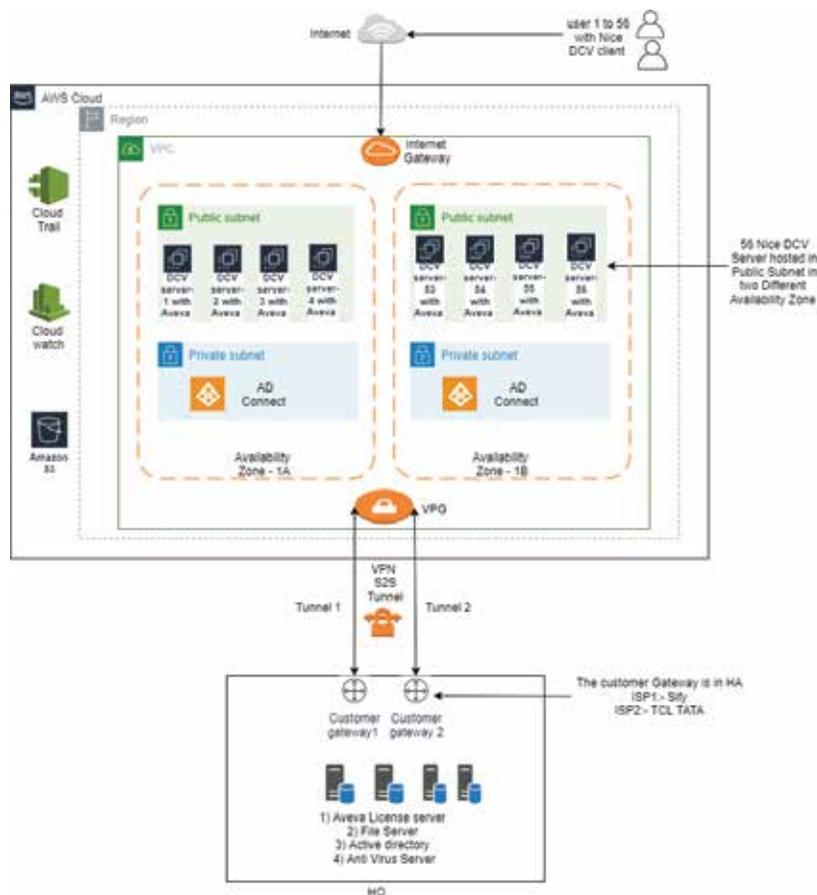
ABOUT THE CUSTOMER:

Japanese engineering, procurement and construction company serving mainly the hydrocarbons and petrochemical sectors worldwide.



SOLUTION DELIVERED:

- NICE Desktop Cloud Visualization (DCV) is a high-performance Remote 3D technology enabling Technical Computing users seamless remote access to 2D/3D interactive VDI desktops on-premises and in the cloud – for CAE/CAD, Oil&Gas, LifeSciences, Research and other application areas – at an attractive pricing.
- DCV is perfect for present home-working situations as it supports high-end remote 3D access to light weight workload
- We suggest a high-performance remote display protocol that provides customers with a secure way to deliver remote desktops and application streaming from any cloud or data center to any device, over varying network conditions.
- Customers can run graphics-intensive applications remotely on EC2 instances, and stream the results to simpler client machines, eliminating the need for expensive dedicated workstations.
- Eliminates the need for expensive dedicated workstations
- Covers broad range of HPC and light weight workload



CONCLUSION:

The customer is able to seamlessly work on their 3D modeling application with AWS NICE DCV. All of these users are working from home and increase in productivity has been observed and very easy to manage

ABOUT CUSTOMER:

The Company offers energy, environmental, steel structure, and industrial machinery projects.

CHALLENGES FACED:

- New employees were supposed to join during the lock down period declared for covid19 during the month of April.
- Had systems with High powered configuration but could not deliver to these users for 2d Modelling.
- Very difficult to send desktop units to users.
- Latency of the network and Lag of the Application used over VPN.
- Very difficult to replace present HPC unit if any issues develop on the unit.
- Backup of the data on the unit could be difficult over bad network.
- Scalability in configurations and numbers of HPC unit if new projects won.
- Some users may need to use personal device, which may be against Company's policy & compliance.
- Some users had to use personal laptop, due to which corporate license, compliance and regulation could not be met.

SOLUTION:

- Amazon WorkSpaces is a managed, secure Desktop-as-a-Service (DaaS) solution.
- Can be provisioned in minutes and quickly scale to provide thousands of desktops to workers across the globe.
- Can pay either monthly or hourly
- Helps you eliminate the complexity in managing hardware inventory, OS versions and patches, and Virtual Desktop Infrastructure (VDI),
- Users get a fast, responsive desktop of their choice that they can access anywhere, anytime, from any supported device.

CONCLUSION:

Recent users of these organization have been using Workspace. Some of them still using personal laptop. The customer has made a road map to enable BYOD and make work from anywhere concept using Amazon WorkSpaces.

