



The IMSCAD Cloud Desktop Disaster Recovery Solution

IMSCAD Cloud Specialise in both Private Cloud and Public Cloud VDI (virtual desktop Infrastructure) Solutions

When looking at Desktop DR, we have found that customers tend to have implemented structured redundancy measures for their infrastructure and critical data in the event of a disaster. However, we are seeing that this does not necessarily cover desktops in a physical on prem environment or datacenter hosted virtual solution.

Having seen this scenario on numerous occasions IMSCAD have designed a solution to help fill the gap and ensure there is a desktop DR solution in place for these desktops. Public Cloud providers, offer favorable pay as you go options for hosting Virtual Desktops, with the only recurring expenditure being for the infrastructure and storage. The infrastructure remains always on while the desktops sit dormant, ready to burst and scale as required in the event of an outage.

IMSCAD Cloud build and maintain the infrastructure in the cloud, exclusively, for you the customer and provide yearly DR scenario tests, meaning you can sign the solution off as fully functioning for complete peace of mind. Billing for the infrastructure will be

on a monthly basis, until such time as the Disaster Recovery solution is invoked. At this time, billing will be on a pay as you go basis for the desktops. In the event of a disaster, we endeavor to make these desktops available within hours, we do however, guarantee, full functionality of the solution within 2 working days.

Once desktop failback has completed, all running instances except for that of the infrastructure will be turned off and deallocated to avoid any unnecessary costs whilst returning the environment to it's always on base infrastructure.



IMSCAD Cloud are experienced with public cloud GPU instances and understand the best instances for various workloads for a wide range of industries to ensure the best possible performance and user experience, minimising the impact on productivity for all users when working from the DR system.



The original IMSCAD Cloud Desktop Disaster Recovery Solution

To set the scene, we had a customer that had replicated their infrastructure such as networking, AD DS, file shares etc. from their on-prem environment to a physical datacenter to act as failover in the event of a disaster. However, the customer also had 12 physical host servers with GPUs that housed 300 virtual desktops. This customer was looking for a solution to cover the virtual desktops without having to commit to the substantial

hardware costs that are associated with replicating that physical capacity in a datacenter, especially when that hardware could potentially sit there for years and never be used.

Below is a high-level view of an Azure virtual desktop design, implemented as a desktop disaster recovery.



