



ebb³

Product Sheet

The Challenge

In numerous lines of business 3D graphical applications are still being deployed on isolated, single user workstation computers, whilst many other applications have benefited from the growth of application virtualisation. This is mainly due to the high demands these applications place on central processing unit (CPU), memory, disk and graphics processing unit (GPU) resources.

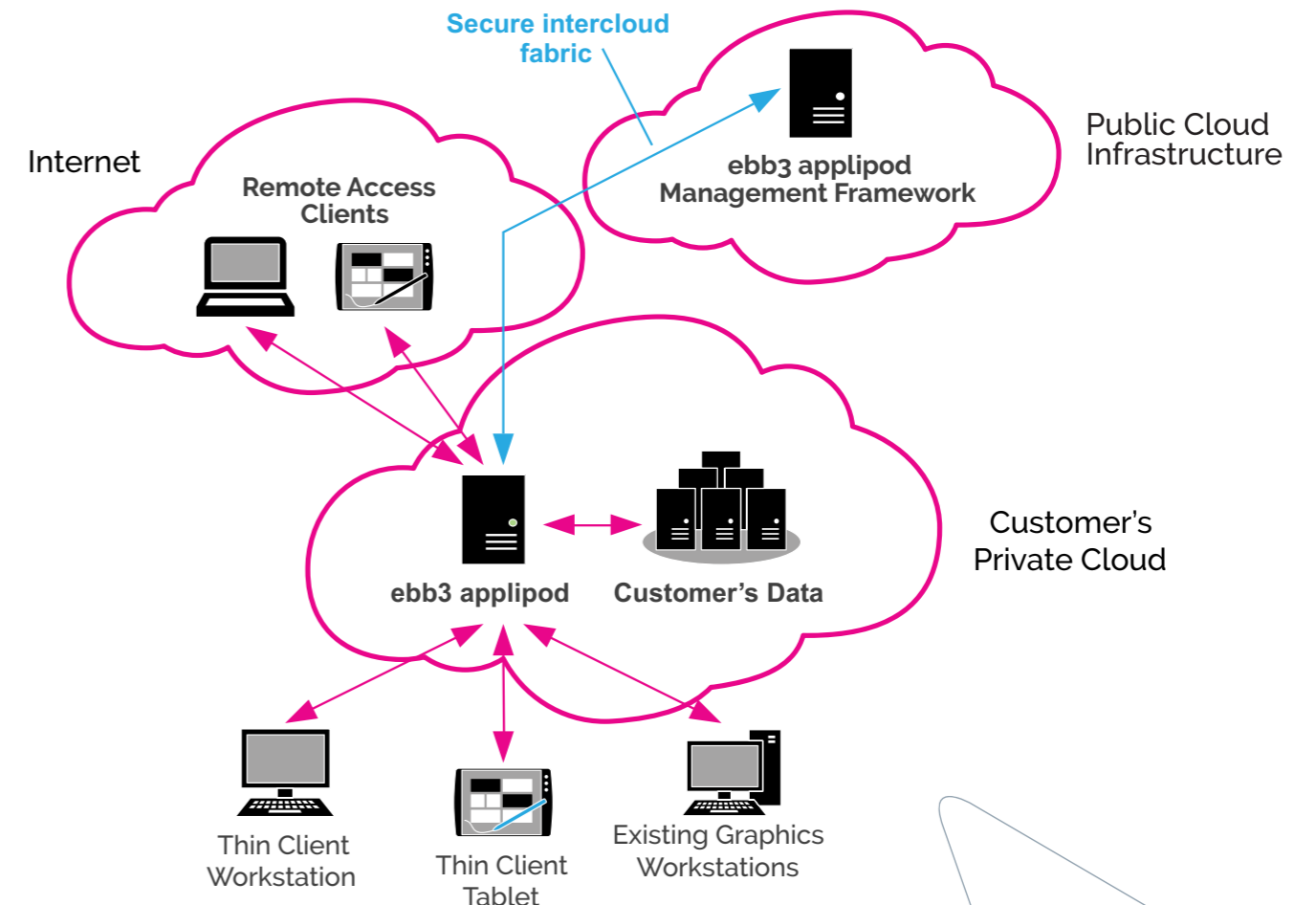
Legacy desktop virtualisation platforms cannot support applications that require high end GPU support. Remote workstation visualisation solutions are available but are often complex to deploy and manage, whilst still only allowing a single user to access the application. Remote workstation visualisation solutions also don't solve the fundamental problems of workstation computers under desks. As with any physical desktop solutions, they can be difficult to manage and are confined to a single location. This can have a significant effect on productivity as well as collaboration as the right people need to be in the right place at the right time to use the application.

The data sets used by these applications will often be stored centrally to protect against data loss and improve data security. These data sets though are often copied to the local storage of a workstation to increase application performance. Copies of the data may also be taken to allow remote working and collaboration.

Workstations are often connected to the enterprise network using 10 gigabit Ethernet to allow transfer of large data sets. This further isolates the workstation as only certain parts of the enterprise network infrastructure will be upgraded to support 10 gigabit Ethernet to the desktop. This often means workstations need to be close to the centralised data store, or wide area network connections need to be significantly upgraded. The use of wireless technologies is also impractical due to the requirement for such high speed connections into the enterprise network.

The Solution

Virtual desktop technology has evolved to allow the virtualisation of even the most complex line of business 3D graphical applications. NVIDIA GRID technology allows a virtual desktop to access a dedicated GPU or virtualised GPU depending upon the requirements of the line of business application. The ebb3 High Performance Virtual Computer (HPVC) seamlessly integrates technology from Cisco, NVIDIA, NetApp, Citrix and VMware to provide a fully managed private cloud virtual desktop solution for your line of business 3D graphical applications. The ebb3 HPVC private cloud solution locates next to your main data repository, allowing unrestricted high-speed access for all virtualised line of business 3D graphical applications.



Benefits

- One month's time" to value Dedicated on-site solution, located next to application data for increased performance and control
- Built on industry standard platforms from Cisco, NetApp, NVIDIA, Citrix and VMware
- On demand resources available to burst up to 50% above committed levels
- Rapid Deployment of standard workstation desktops to local and mobile users
- Immediate realisation of software upgraded following release
- Securely access workstation 3D graphical applications remotely on a variety of devices

Applications

Oil & Gas

- IHS Kingdom
- Paradigm Voxel Geo
- Paradigm SKUA
- Sonarwiz
- Petrel**
- Emerson Tempest
- Emerson RMS

Engineering/Design

- ANSYS Workbench & Simulation
- Autodesk Inventor
- Dassault Systemes Catia
- PTC Creo
- Siemens PLM NX
- Solidworks 2015

Healthcare and Medical Imaging

- 3d Slicer

Simulations

- Ceissoftware Ensignt

***Currently under validation testing*

Animation

- Chaos V-ray

AEC

- Applied Imagery QT Modler
- Graphisoft ArchiCAD
- Autodesk AutoCAD
- Autodesk Revit

GIS/Geographical

- Ersi ArcGIS Pro
- Integraph GeoMedia
- NASA WorldWind
- Harris ENVI/LiDAR
- Skyline TerraExplorer

Defence

- Analytic Graphics Satellite Toolkit (STK)
- Luciad Lightspeed
- Bohemia Interactive Simulations VBS3
- Georgia Tech Research Institute Falcon View

Technology

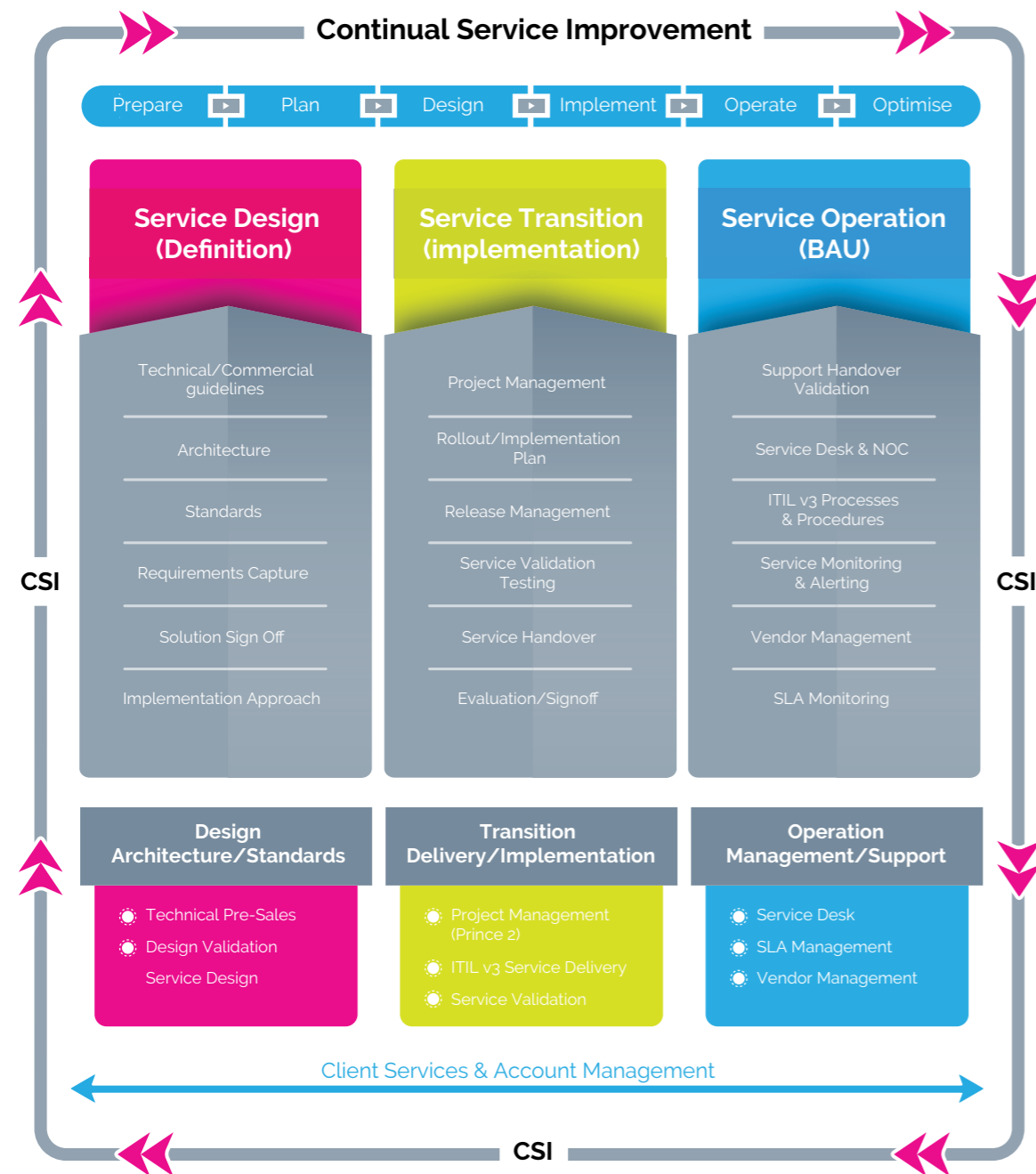
The technology from Cisco, NetApp, NVIDIA, Citrix and VMware used by the ebb3 HPVC is fully managed by ebb3. We manage the virtualisation of your line of business 3D graphical applications, the integration of your network and enterprise directory architectures and the maintenance and support of each of the individual systems within the HPVC private cloud.

We realise your standard line of business applications will also need to be virtualised, alongside your line of business 3D graphical applications. By virtualising your line of business 3d graphical applications, your employees can now be where the business needs them to be and not be constrained by the location of the application. Opportunities for your employees to collaborate with colleagues within and outside your organisation, without affecting productivity, will also increase. The availability and experience of the virtualised line of business applications are also guaranteed by a Service Level Agreement (SLA) between ebb3 and your organisation.



The Managed Service

Our ITIL accredited Service Management team functions as an extension of your own IT team, working with you to align business needs and delivers a single SLAs and KPIs. With enhanced proactive management and monitoring support provided 24x7x365, our team is committed to making sure that our processes and systems offer you the greatest value and reliability.



Benefits of The Managed Service

- ITIL v3 framework and methodology to provide a common approach to the management of the end to end solution
- Single point of contract 24/7/365 service desk providing enhanced customer support experience
- Single SLA for the service
- Proactive 24/7/365 monitoring of the service from NOC (network operation center)
- Platform management including patch management & software upgrades
- Reduced complexity to Consolidate Disaster Recovery (DR) and business continuity (BCP)
- Reduction in IT staffing costs through Centralised administration and management = Improved efficiency, lower costs

Partners





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