NVIDIA GPUS POWER FUSIONACCESS GRAPHICS WORKSTATION

Bring High Performance 3D Graphics to Remote Desktop

Gary Xia – Huawei,
Principal Architect
FusionAccess

Huawei FusionAccess and SZSE: enhancing financial information security

SZSE saw a 60% reduction in information security issues: Transitioned to data stored in data centers instead of on PCs and implemented behavior audits and operations tracing.

Desktops can be deployed in minutes. Ten times the O&M efficiency.

Elastic IT resource allocation increased resource utilization by 20 to 30%.

Saudi TVTC expands education with FusionAccess

Provides leading audiovisual training and unified O&M for over 140 technical colleges in Saudi Arabia.

THE WIDESPREAD USE OF GRAPHICS WORKSTATION

Automotive

Architecture

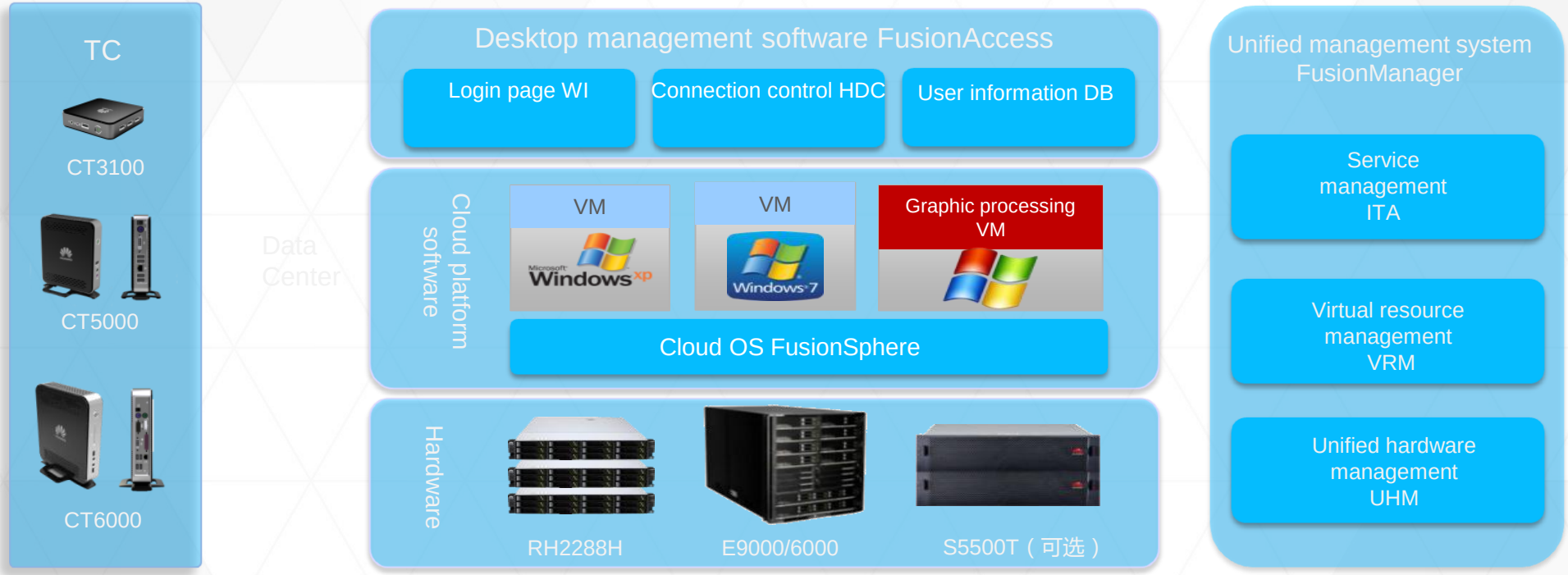
Media

Graphics
Cloud Workstation

Aerospace

Education

CLOUD WORKSTATION @ OVERALL SOLUTION

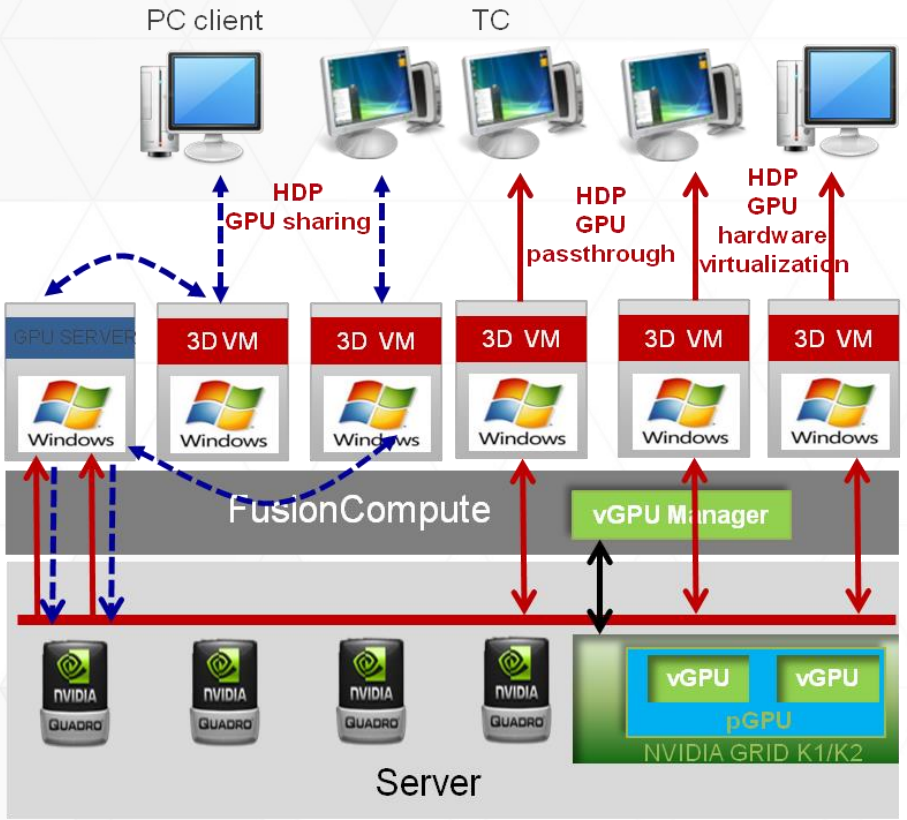


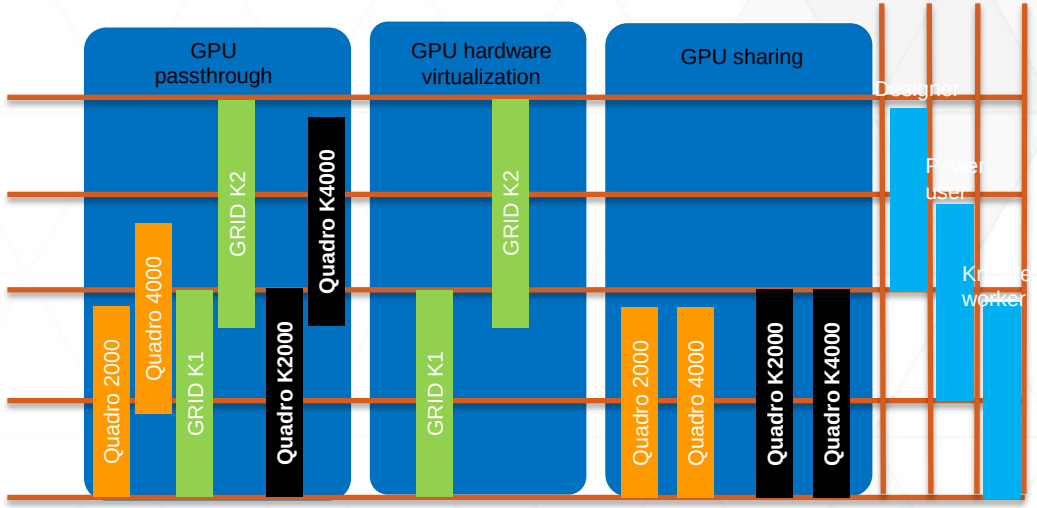
100 Mbit/s HD graphics image recognition technology

100 + types of compatible peripherals, rapid adaptation capability

Unified portal management and centralized O&M

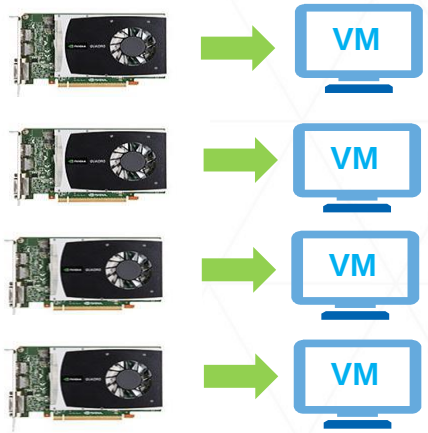
ALL-ROUND SOLUTION COVERING VARIOUS SCENARIOS





	GPU Passthrough	GPU Hardware Virtualization	GPU Sharing
Application Scenario	• Complex drawing editing and assembly • Complex video editing and mid-range and high-end games	•Less complex drawing editing •Video editing and mid-range games	•Drawing viewing and lightweight editing •Mid-range and low-end games
DirectX /OpenGL	• OpenGL 4.4 • DirectX 9/10/11	• OpenGL 4.4 • DirectX 9/10/11	• OpenGL 2.1 • DirectX 9

CLOUD WORKSTATION@GPU PASSTHROUGH

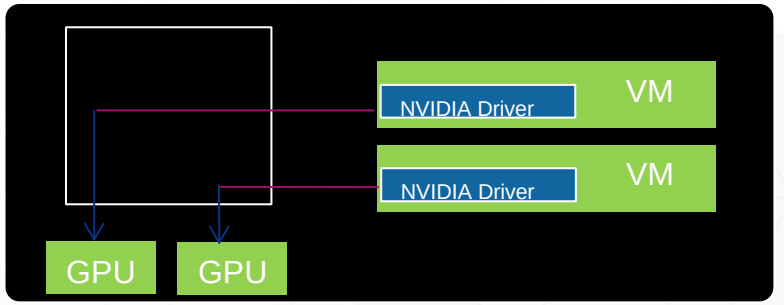


100 Mbit/s HD graphics

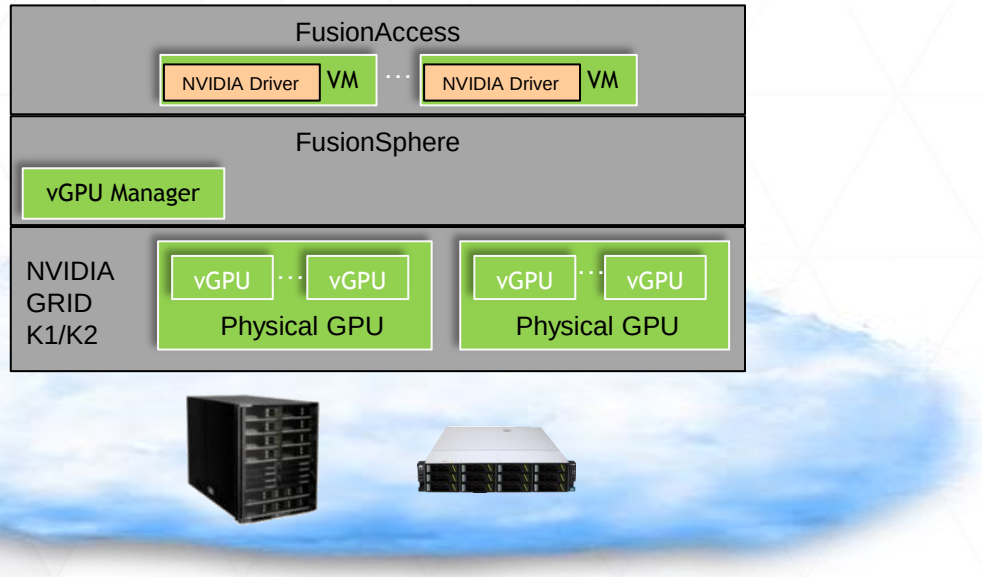
Omnimedia editing of HD video rendering and synthesis

HDP image detection technology

Complex drawing and video editing, drawing assembly



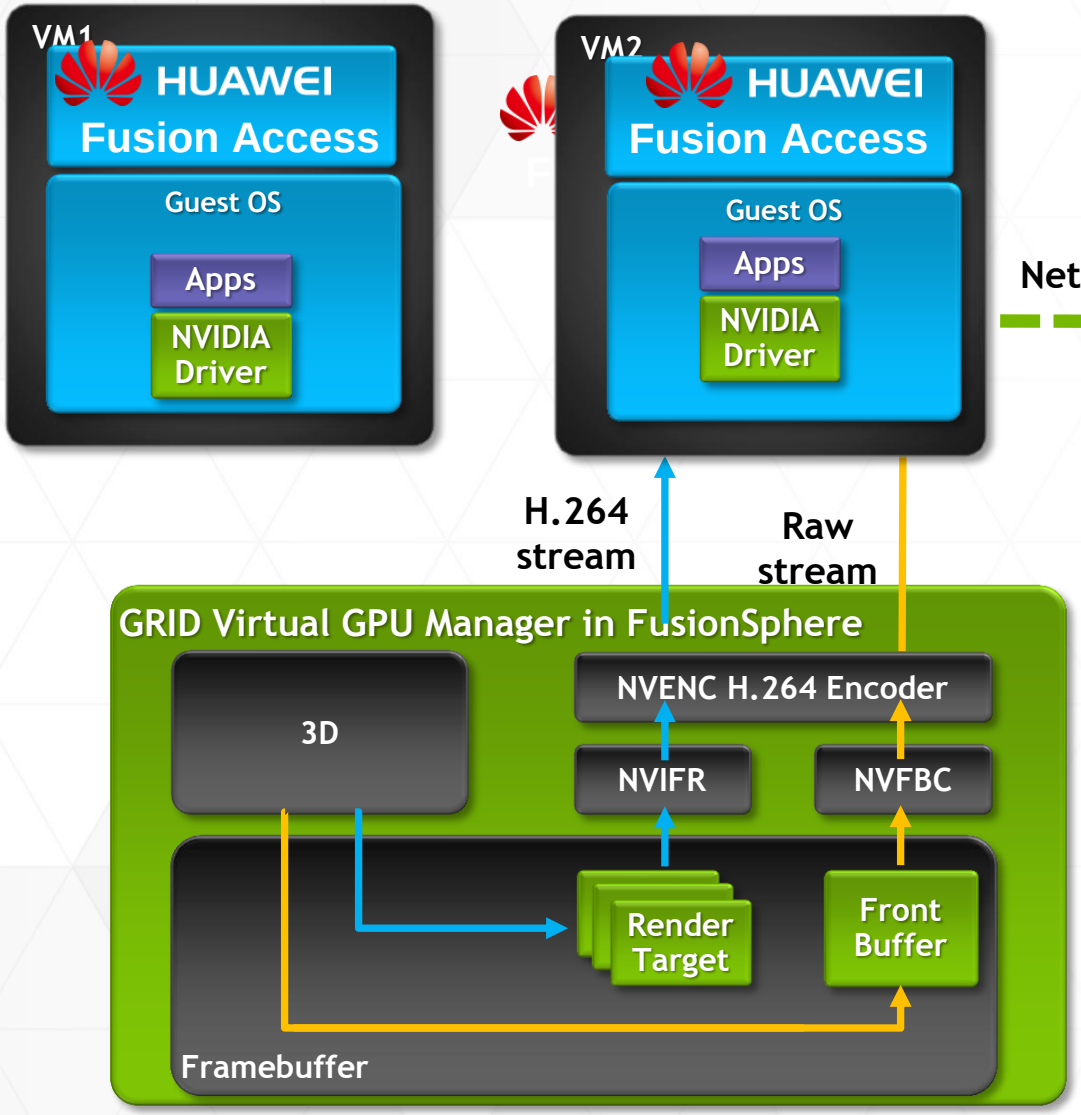
CLOUD WORKSTATION @ GPU HARDWARE VIRTUALIZATION



Up to 32 cloud graphics workstations / graphics card

Compatible with the latest DirectX, OpenGL standard 3D applications

HDP (Huawei Desktop Protocol): low-latency remote display



- Available on vGPU and passthrough GPU (vDGA)
- Fast readback of desktop or individual render targets
- Hardware H.264 encoder
- Lower latency, less CPU
- Huawei FusionAccess

Category	Application Software
Graphics software	CATIA V5R18/R19
	Autodesk Inventor 2010
	Autodesk Revit 2010
	Autodesk MAYA 2010
	AutoCAD 2008
	AutoCAD 2010
	JT2Go
	Solidworks
	Blender Application
	FurnPlan
	Adobe 3D
	Pro/E wildfire 5.0
	3DMax 2010
	Protel Altium Designer 6.0
	Allegro 16.2
	UG 8.5
	3D XML Player

Category	Application Software
GIS software	Google Earth
	ISRO-Bhuvan
	ArcGIS Explorer
Multimedia player software	HD Videos in YouTube
	Windows Media Player
	VLC Media Player etc.
Healthcare application	Fiat Lux
3D interface software	NEHE Apps for OpenGL
	DirectX SDK
	GLView
WPF application	Mix Me
	Photo Shop
	Visual 3D

HUAWEI CLOUD WORKSTATION HELPS SZMG BUILD AN ALL-MEDIA CONVERGENCE NEWS CENTER

- Implements multimedia editing of voices, videos, images, and documents, increasing the resource usage by 30%
- Replaces traditional synthesis workstations with fusion architecture virtualization resource pools, increasing the O&M efficiency by 50%