



# GPU ACCELERATED PERFORMANCE FOR TODAY'S VIRTUAL ArcGIS WORKSPACES

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# THE EVOLUTION OF MODERN WORKFLOWS

VISUAL  
WORKSPACE



MOBILITY



COLLABORATION



LARGE DATA  
INTERACTIVE  
HPC



VR



PHOTOREALISM



AI



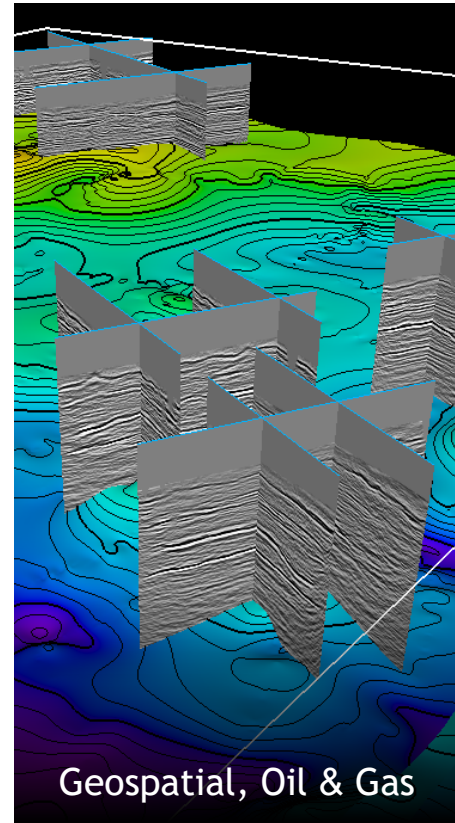
Information Workers/Students

VISUAL COMPUTING SPECTRUM

Designers/Scientists

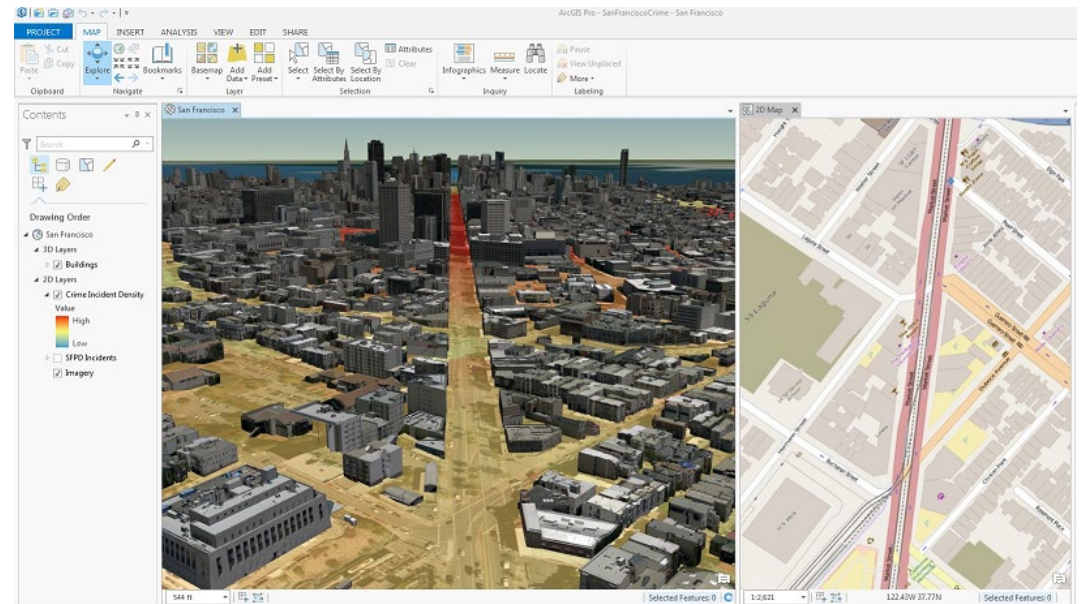
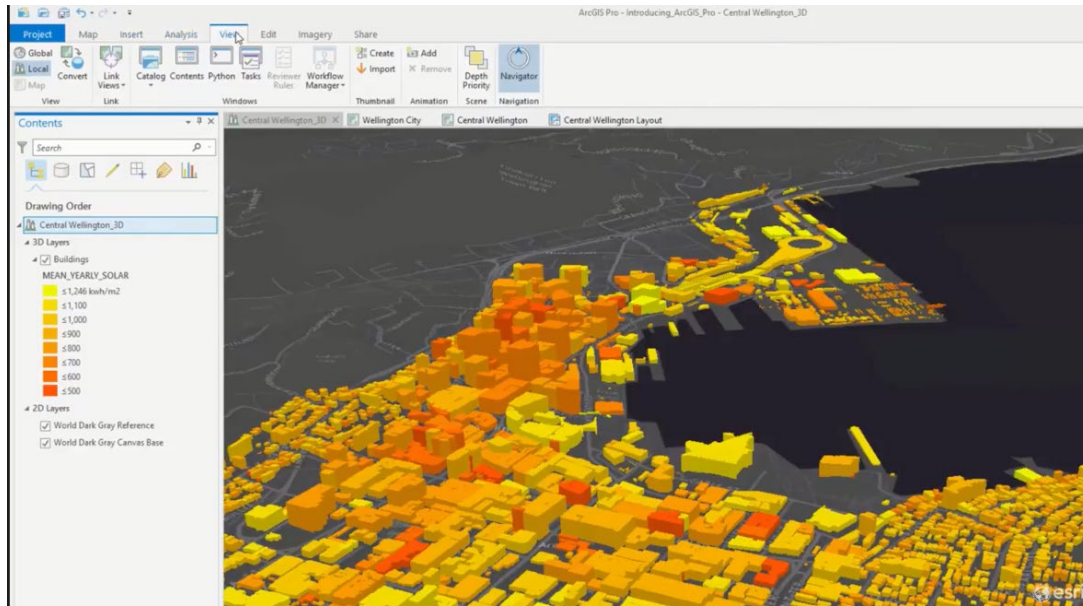
# QUADRO VIRTUAL GPU POWERING THE MOST ADVANCED WORKFLOWS

Photorealistic. Immersive. Collaborative.



# ArcGIS PRO 2.0

Highest graphics requirement of any version to date

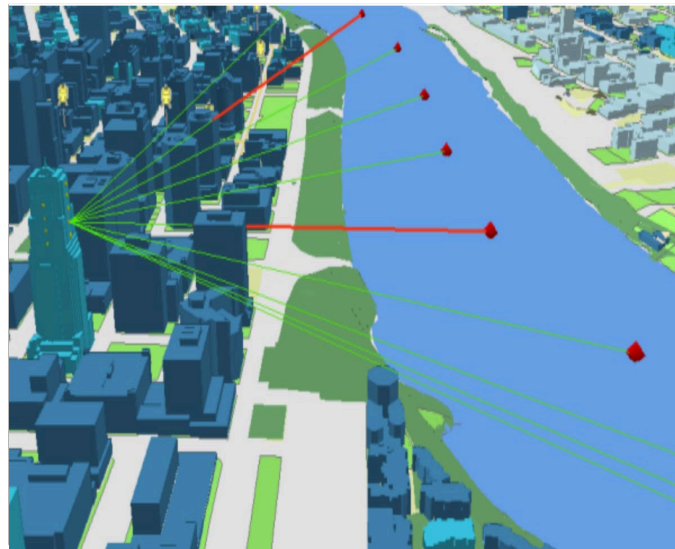


# ESRI ArcGIS PRO

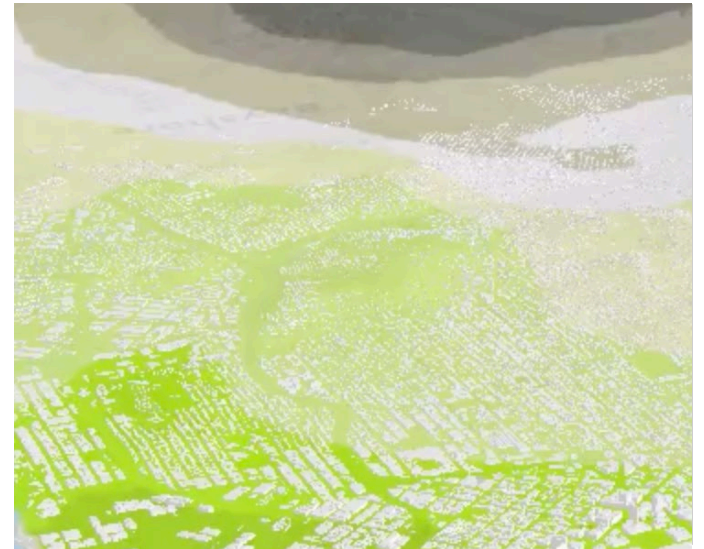
## Role of vGPU



RENDERING



ANALYTIC GEOPROCESSING



DEEP LEARNING

# RENDERING

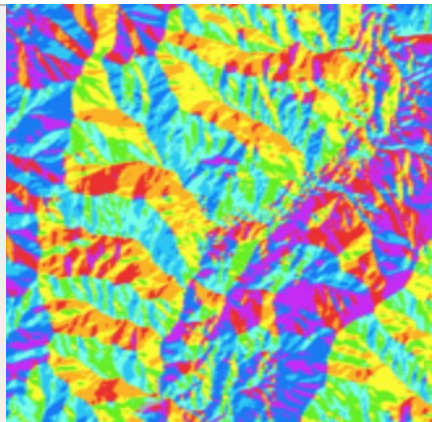
DirectX or OpenGL



# SPATIAL ANALYST

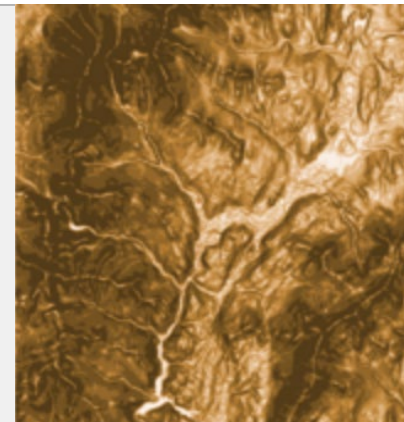
## ASPECT

Identifies the compass direction that the downhill slope faces for each location.



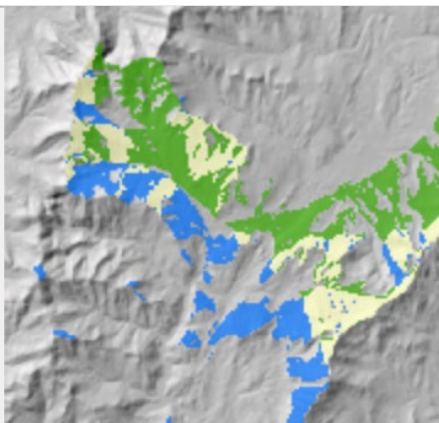
## SLOPE

Identifies the steepness at each cell of a raster surface. The lower the slope value, the flatter the terrain; the higher the slope value, the steeper the terrain.



## VIEWSHED

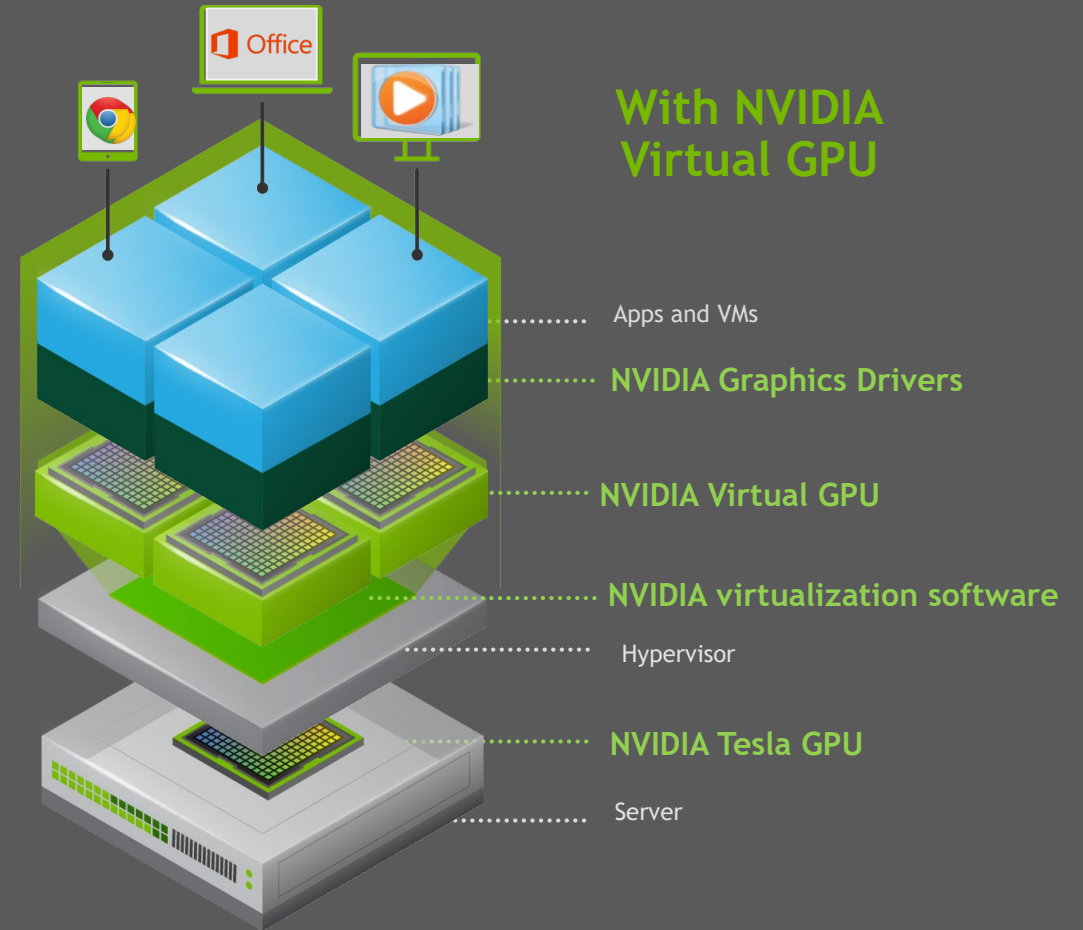
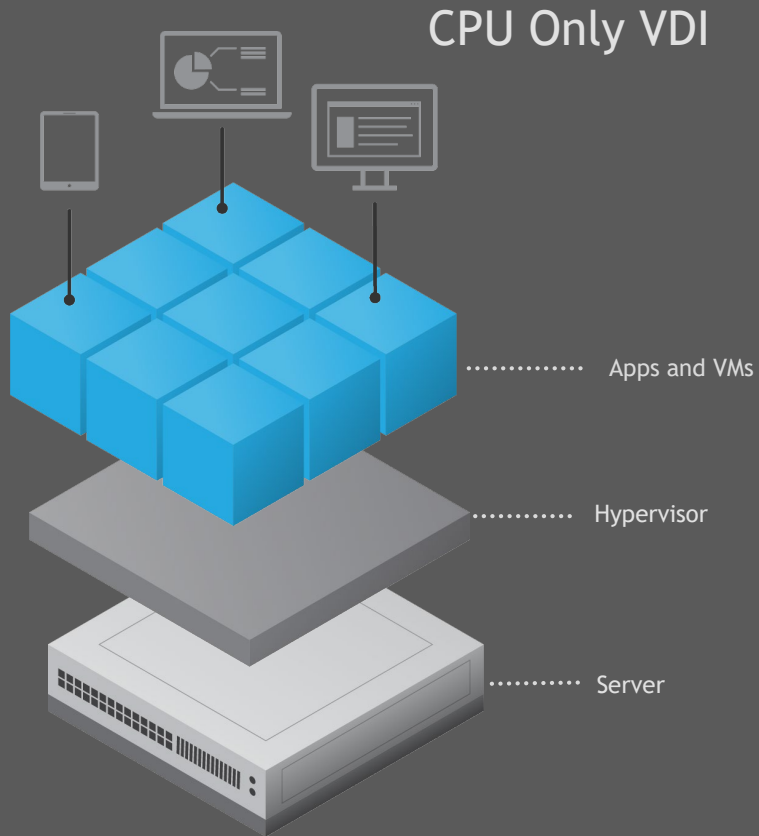
Determines surface locations visible to a set of point or polyline observers, using geodesic methods.



Nvidia GPU-enabled Geoprocessing tools

# HOW IT WORKS

NVIDIA virtual GPU products deliver a GPU Experience to every Virtual Desktop





# NVIDIA GPUs EVERYWHERE

140+ Servers from more than 30 system vendors

## Hypervisor Infrastructure



## Industry Standard Servers



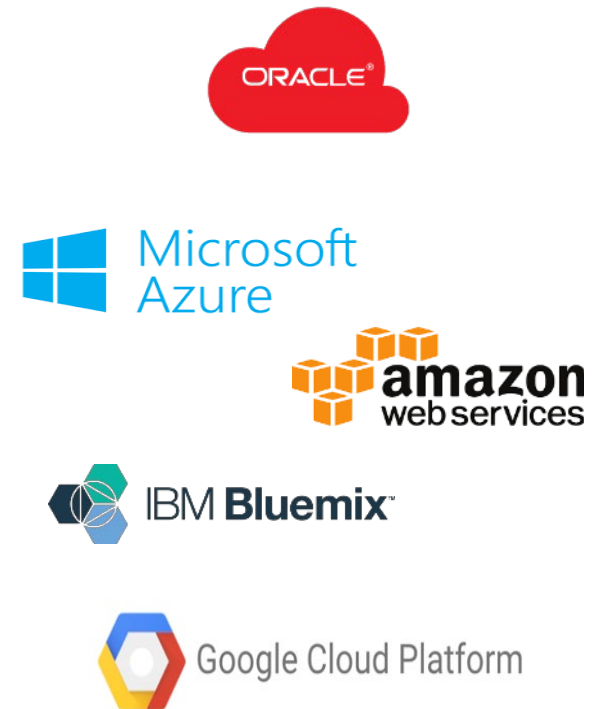
## Hyper-Converged Infrastructure



## Blade Servers



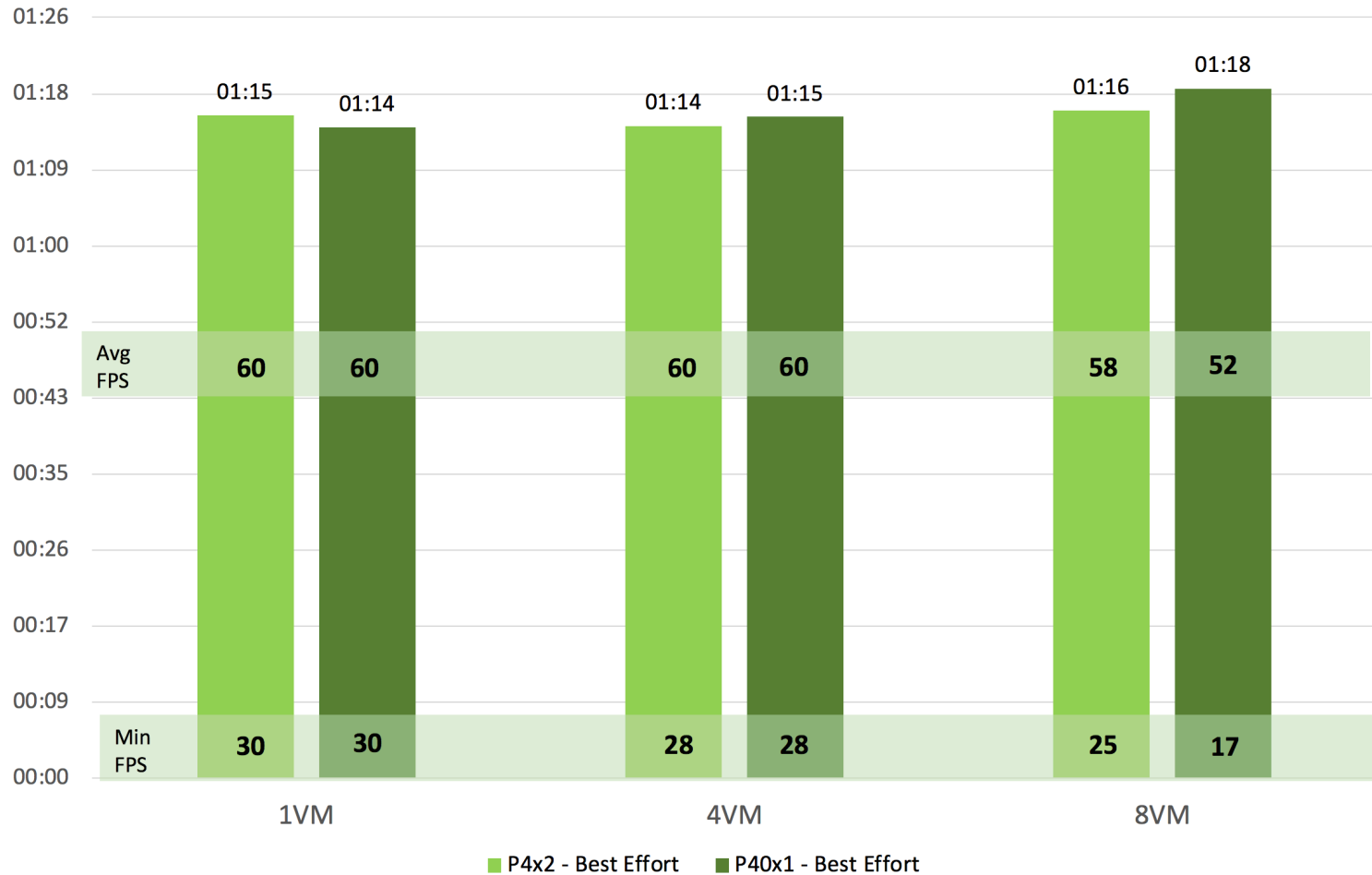
## Public Cloud



# ENTERPRISE VDI PLANNING

## Choosing the right GPU for your use

3D Philly - Sum Draw Times  
Multiple P4's vs Single P40



# QUADRO vDWS GUIDANCE

Deep learning, rendering, immersive visualization, and GPGPU compute applications

Largest CAD models, CAE, Photorealistic rendering, Seismic exploration, GPGPU compute

Large/complex CAD models, Seismic exploration, complex DCC effects, 3D Medical Imaging Recon

Large/complex CAD models, Advanced DCC, Medical Imaging

Medium size/complexity CAD models, Basic DCC, Medical Imaging, PLM

Small/simple CAD models, video, Entry PLM



High-End Quadro vDWS



Tesla P4

Entry - Mid Range Quadro vDWS

