

ArcGIS Pro and Virtualization

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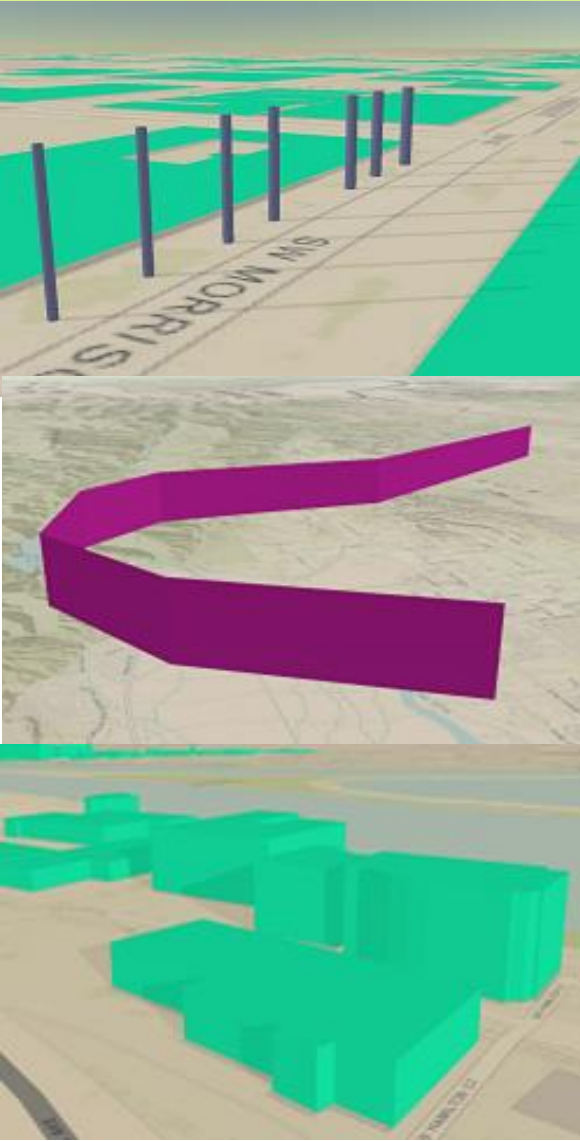
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ArcGIS Pro and Virtualization



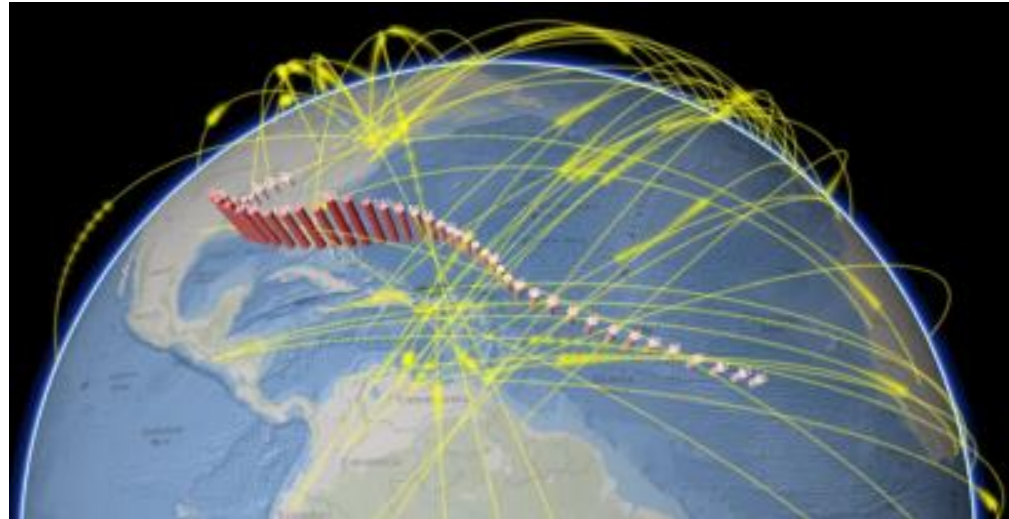
ArcGIS Pro – New but familiar

- Included with existing ArcGIS Licenses
- Project Centric
 - Updated UI reduced dialogues
- Visualizing, editing, and performing analysis
- ArcGIS Online Integration
- 2D and 3D
 - Maps and Scenes
- Multiple Views
 - Interactively linked
- Geoprocessing , Spatial Analysis History, Tasks
- 64 Bit, Multi-Thread

ArcGIS Pro and Virtualization

Mapping Analysis in 3D

- Real world visualizations
- Quantitative visualizations
- Global vs. Local
- Elevation Surfaces
- Extrusion – PLP
- Interaction of Z-Value and the ground
- On, relative, absolute, etc.
- Illumination Properties
- City Engine
 - 3D city models for practical purposes

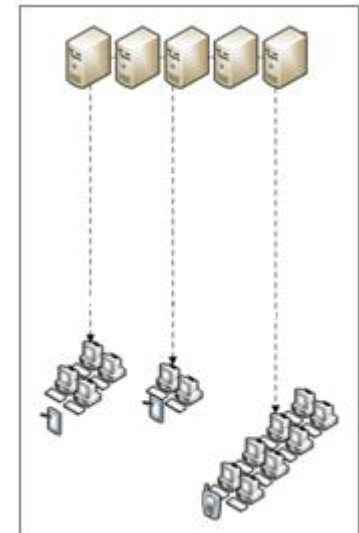


ArcGIS Pro and Virtualization

- 3D visualization and analysis of data opens up a world of opportunities
- 3D is great! But.....
 - 3D visualization and analysis of data opens up a world of technological and processing challenges

ArcGIS Pro and Virtualization

- What is Software Virtualization?
 - Software is installed and run from a separate computer than the machine that executed the application which links user interaction
 - Accomplished through software such as Citrix XenApp or Vmware
 - ArcGIS Pro is an ideal candidate








ArcGIS Pro and Virtualization

- Gaming Machines & GPUs
- Nvidia - Bringing high end graphics, including 3D visualization to application virtualization through GRID virtual GPU platform



GAME TECHNOLOGY LEADERSHIP

 <p>PC DVD-ROM ASSASSIN'S CREED IV BLACK FLAG UNIVERSITY</p>	 <p>PC DVD-ROM BATMAN ARKHAM ORIGINS UNIVERSITY</p>	 <p>PC DVD-ROM CALL OF DUTY GHOSTS ACTIVISION</p>	 <p>PC DVD-ROM TOM CLANCY'S SPLINTER CELL BLACKLIST UNIVERSITY</p>	 <p>PC DVD-ROM WATCH DOGS UNIVERSITY</p>
Advanced Godrays, DX11, Tessellation, HBAO+, PCSS, TXAA	DX11, GPU PhysX, HBAO+, NVIDIA Bokeh & DoF, PCSS, Tessellation, TXAA	DX11, GPU PhysX, Tessellation	DX11, HBAO+ Tessellation, TXAA	DX11, HBAO+, TXAA

ArcGIS Pro and Virtualization

- What are the advantages of application virtualization?
 - Thin Client workstations
 - Backend processing
 - MGMT of one server VS. individual workstations
 - Easy access
 - From anywhere on any machine with internet access
 - No VPN or RDP
 - Centralized storage of data and applications



ArcGIS Pro and Virtualization

- What are the advantages of application virtualization specific to ArcGIS Pro?
 - New licensing model
 - Economies of scale
 - The high end GPUs, CPUs, and Memory required to run Pro are expensive
 - Cost of upgrading/replacing perfectly good workstations
 - Never ending upgrade cycle



ArcGIS Pro and Virtualization

- Takeaways
 - ArcGIS Pro is an exciting new product that will enhance the GIS user experience
 - It is never too early to get your feet wet
 - ArcGIS Pro is a perfect candidate for Virtualization
- Thanks! Questions?

