ArcGIS Pro Virtualization Dell Appliance
For US Customers Only

The ArcGIS Pro Virtualization Dell Appliance is designed, tested, and optimized to successfully virtualize ArcGIS Pro (ArcGIS Desktop). This includes providing the capability to deliver rich graphical experience when using ArcGIS Pro or ArcMap with 2D and 3D data. You can be confident because the ArcGIS Pro Virtualization Dell Appliance has been configured for you to simplify the delivery and deployment of ArcGIS Desktop, including ArcGIS Pro, in a virtualized environment. The appliance addresses the ArcGIS Pro requirement for shareable Graphics Processing Units (GPU). This appliance, a collaborative effort between Esri/Dell/NVIDIA/VMWare, represents the most cost effective and quickest path to virtualizing ArcGIS Pro.

ArcGIS Pro
Esri's 64-bit desktop GIS product is ArcGIS Pro. Technologically ahead of everything else on the market, ArcGIS Pro provides professional 2D and 3D mapping in an intuitive user interface. You can think of ArcGIS Pro as a big step forward—one that advances visualization, analytics, image processing, data management, and integration.

ArcGIS Pro Virtualization Dell Appliance Benefits

Easy adoption: Eliminates much of the complexity and need for in-house expertise traditionally required by many virtualization solutions, so a staff with limited experience or time can deploy a virtual environment.

Shared Graphics Processing Unit (GPU): The shareable GPUs used in this server are the NVIDIA Ampere GPU accelerator cards which enable graphics rich applications such as ArcGIS Pro to be used in a virtualized environment. The NVIDIA Ampere GPU accelerator technology allows for VMs to be configured with the GPU capability needed by the end user. With GPU technology, ArcGIS Pro can be used to its fullest potential. Esri's internal testing has shown two A40s can support 25 ArcGIS Pro VMs. Keep in mind the number of ArcGIS Pro VMs that can be supported on this type of virtualization server can fluctuate. For very demanding 3D workloads it may be a little less. For less demanding 2D workloads the server could probably support more.

Tested: The appliance has been thoroughly tested by the Esri Performance Engineering team using the ArcGIS Pro Performance Test Suite, as well as hands on testing in the Esri Development Holistic Lab.

ArcGIS Pro Virtualization Dell Appliance Specifications

Dell EMC PowerEdge R750 Rack Server

- Two (2) Intel Xeon Gold 6354 3G, 18C/36T, 11.2GT/s, 39M Cache Processors
- Two (2) NVIDIA Ampere A40 Graphics Processing Units (GPUs) with 48GB of GPU memory
- 1,024 GB RAM (16 x 64 GB RDIMMs)
- Six (6) x 960GB Solid State 12Gbps 512e vSAS Hard Drives with RAID 5
- PERC H745 RAID Controller
- Two Broadcom 57416 Dual Port 10GbE Base-T Network Cards
- iDRAC9 Enterprise 15G
- Dual, Hot-Plug, Fault Tolerant Redundant (1+1), 1400W, Mixed Mode Power Supplies
- Three-Year Four-Hour On-Site Response, 24 Hours a Day, Seven Days a Week after Remote Diagnosis

If variations to this configuration are desired, please contact EsriHWRequest@esri.com to see if modifications are available.

NVIDIA Virtual GPU Software

Also required as part of the ArcGIS Pro Virtualization Dell Appliance is NVIDIA Virtual GPU Software. The NVIDIA Virtual GPU Software provides the technology for the virtualization tier to deliver accelerated virtual desktops and applications from the data center to any user, anywhere. This software is priced separately from the appliance to accommodate the number of **Concurrent Users** to support a customer's actual environment. The **License Type** of the software is an **Annual Subscription:** A software license that is active for 1 year and includes a support, upgrade, and maintenance program during the subscription.

The following items are **not** included with the appliance but are necessary for the appliance to function:

- **ArcGIS Desktop (with ArcGIS Pro) Licenses -** This appliance is tailored for users that want to use ArcGIS Pro in a virtualized environment and it is assumed that most users will already have the ArcGIS Desktop (with ArcGIS Pro) software necessary. However, customers that need to purchase new (or add) ArcGIS Desktop licenses to be used with the ArcGIS Pro Virtualization Dell Appliance, please contact your Esri Account Manager or EsriHWRequest@esri.com for pricing.

- **Virtualization software -** Most customers interested in the ArcGIS Pro Virtualization Dell Appliance **will already have** invested in their own virtualization environment. Current supported visualization environments for ArcGIS Pro include:
  - VMWare ESXi and Horizon
  - VMWare ESXi and Citrix Virtual Apps and Desktops
  - Citrix Hypervisor with Citrix Virtual Apps and Desktops

- **Windows Desktop -** A supported Windows Desktop Operating System install (.iso) used for the operating system on the virtual machines.

Pricing

Item #	Description	Price
148633	**ArcGIS Pro Virtualization Dell Appliance**	**$77,600**

NVIDIA Virtual GPU Software - Requirement

This software must be purchased to support the ArcGIS Pro Virtualization Dell Appliance. The NVIDIA Virtual GPU Software can be purchased based on the number of **Concurrent Users** a customer desires. The appliance can support up to 25 users, but each customer user case can be different; therefore, flexibility in quantities and **License Types** are provided below.

Concurrent Annual Subscription Licenses

Item #	Description	Price
156090	25 Concurrent Annual Subscription Licenses of NVIDIA RTX Virtual Workstation with support, upgrade, and maintenance program.	**$6,250**
156121	10 Concurrent Annual Subscription Licenses of NVIDIA RTX Virtual Workstation with support, upgrade, and maintenance program.	**$2,500**
156122	1 Concurrent Annual Subscription License of NVIDIA Virtual Workstation with support, upgrade, and maintenance program.	**$250**

Dell Memory and Storage Options

Item #	Description	Price
AMST	Additional 2 x 960GB Solid State 12Gbps 512e vSAS Hard Drives – up to an additional 5 pair of drives can be added	**$3,800 per pair**

Professional Services Option

Please contact EsriHWRequest@esri.com if you are interested in obtaining a quote for on-site services to assist in getting the ArcGIS Pro Virtualization Dell Appliance installed within your environment.

Support

Dell Contact Options:

- Contact Dell Technical Support

Esri Contact Options:

- Contact Esri Support online using the Support Request Form or call 1-888-377-4575, available from 5:00 a.m. to 5:00 p.m. (Pacific Time), Monday–Friday, excluding Esri holidays.

Need a quote or more information?

Please email ResaleProducts@esri.com if you would like to receive a quote for any of the products in this document or if you have any follow up questions regarding these offers.

Click here to explore additional hardware offers.