



Esri
380 New York Street
Redlands, California 92373-8100
Phone: 909-793-2853, ext. 1-4441
Fax: 909-307-3046



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 Tesla GPU accelerator cards which enable graphics rich applications such as ArcGIS Pro to be used in a virtualized environment. The NVIDIA Tesla GPU accelerator technology allows for VMs to be configured with the GPU capability needed by the end user. With the vGPU technology, ArcGIS Pro can be used to its fullest potential. Esri's internal testing has shown four P4s 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.



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ArcGIS Pro Virtualization Dell Appliance Specifications

Dell PowerEdge R740 Rack Server

- Two (2) Eighteen-Core Intel® Xeon® Gold 6154M 3.0 GHz Processors, 25MBCache
- Four (4) NVIDIA Pascal Tesla P4 Graphics Cards with 8GB of memory
- 256 GB RAM (16 x 16 GB RDIMMs)
- Six (6) x 800GB Solid State 12Gbps SAS Hard Drives with RAID 6
- PERC H730P Integrated RAID Controller
- DVD+/-RW SATA Internal Drive
- Two (2) Intel Ethernet I350 QP 1Gb Network Cards
- iDRAC9 Enterprise
- Dual 1600W Hot-plug, Redundant 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 GRID Virtual Workstation Software

Also required as part of the ArcGIS Pro Virtualization Dell Appliance is NVIDIA GRID Virtual Workstation Software. The NVIDIA GRID® 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 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 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 View
 - VMWare ESXi and Citrix XenDesktop
 - Citrix XenServer and XenDesktop

However, customers that need to purchase virtualization software to support the ArcGIS Pro Virtualization Dell Appliance, please contact EsriHWRequest@esri.com.



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- **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	\$46,000

NVIDIA GRID Virtual Workstation Software - Requirement

This software must be purchased to support the ArcGIS Pro Virtualization Dell Appliance. The NVIDIA GRID Virtual Workstation 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 GRID Virtual Workstation Software with support, upgrade and maintenance program.	\$6,250
156121	10 Concurrent Annual Subscription Licenses of NVIDIA GRID Virtual Workstation Software with support, upgrade and maintenance program.	\$2,500
156122	1 Concurrent Annual Subscription License of NVIDIA GRID Virtual Workstation Software with support, upgrade and maintenance program.	\$250

Dell Memory and Storage Options

Item #	Description	Price
148634	Replace 256 GB RAM (16 x 16 GB RDIMMs) with 384 GB RAM (24 x 16 GB RDIMMs) at time of purchase	\$3,600

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.



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ESRI QUOTATION TERMS AND CONDITIONS

These prices and terms are valid only for items purchased and delivered within the United States excluding Guam, Puerto Rico, and the Virgin Islands.

This quotation information is proprietary and may not be copied or released other than for the express purpose of system selection and purchase. This information may not be given to outside parties or used for any other purpose without written consent from Esri.

ORDER PROCESS

The order process is initiated when Esri receives an original purchase order or some form of advance payment. Several additional documents (e.g., credit application, if not using credit card, and tax exemption certificate) are required to complete the order.

IMPORTANT! Collectively, these documents contain the authorizations and information necessary to ship proper versions of the software on the correct media. Please return them promptly to avoid unnecessary delays in shipping. Please return all documents by mail or express courier or as otherwise directed.

Please show the following remittance address on your purchase order:

Esri, File #54630, Los Angeles, CA 90074-4630

DELIVERY

FOB ORIGIN

Software: Allow 30 days from Esri's receipt of purchase order, signed software license agreement(s), and other documents, as required. Esri software license agreements may be accessed at esri.com/legal.

Hardware: Manufacturer's terms apply. Lead times depend on make/models purchased.

Standard delivery method is ground or two-day air for software and surface carrier for hardware. Actual delivery method may vary depending on weight. Other service is available for an additional fee (e.g., overnight delivery).

PAYMENT TERMS

Net 30 days, on approved credit.

WARRANTY

Warranty and service are provided by manufacturer(s).

TAXES

Prices quoted do not include applicable sales or use taxes unless so stated. Esri reserves the right to collect sales tax assessed by states as required by law. Esri will add state sales tax to the invoice unless Esri receives proof with the order that your organization is tax exempt or pays state tax directly.

Esri collects and pays sales tax in Alabama, Arizona, California, Colorado, Connecticut, Florida, Georgia, Hawaii, Illinois, Indiana, Kansas, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Nebraska, Nevada, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Pennsylvania, South Carolina, Tennessee, Texas, Utah, Vermont, Virginia, Washington, and Wisconsin. In preparing your budget, please allow for applicable sales tax. Esri reserves the right to collect sales tax assessed by additional states as required by law.



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ArcGIS Pro Virtualization Dell Appliance Domestic Order Form

ORDERED BY	
Organization	
Date of Order	PO No.
Phone	Fax
Contact	Esri Customer No.

10/25/18

BILL TO	
Organization	
Department	PO No.
Address	
Attention	
Phone	Fax
E-mail	

SHIP TO	
Organization	
Department	
Address	
Attention	
Phone	Fax
E-mail	

Qty.	Description	Unit Package Price	Total
	Item 148633 — ArcGIS Pro Virtualization Dell Appliance	\$46,000	
	Item 148633 above requires a NVIDIA GRID Virtual Workstation Software option from Page 3. Please review and fill in the desired product and price in this row:		
	Item 148634 — Replace 256 GB RAM with 384 GB within standard appliance at time of purchase	\$3,600	

Optional Items (enter items and prices below)	Unit Price	Net Price		
			Optional Items Total	
			Subtotal	
			Shipping	Included
			Sales Tax*	
			Total Due Esri	

Please attach sheet of additional options and pricing, if necessary.

* Please add appropriate sales tax in the states of AL, AZ, CA, CO, CT, FL, GA, HI, IL, IN, KS, MA, MD, MI, MN, MO, NC, ND, NE, NJ, NM, NV, NY, OH, OK, PA, SC, TN, TX, UT, VA, VT, WA, and WI. Esri reserves the right to correct sales tax rates and/or collect the sales tax assessed by additional states as required by law, without notice. Items may be shipped separately.

FAX YOUR ORDER TO
800-330-7053
ATTN.: Customer Service/Alan Chrest
Esri
380 New York Street • Redlands, CA 92373-8100

NOTES

- A. If submitting a purchase order, a credit application will need to be completed if one is not already on file with Esri.
- B. Delivery is based on manufacturer availability.
- C. All sales are final. Opened boxes cannot be returned for credit.

PAYMENT OPTIONS

- (a) Enclose a check payable to Esri with this form.
 - (b) Complete credit card authorization information below.
 - (c) Enclose a completed purchase order with this form.
- We will not ship without payment or purchase order enclosed.
Acceptance of purchase order is based on credit approval.

CREDIT CARD AUTHORIZATION

Card Number	Check One				Expiration Date
	AMEX	Disc.	MC	Visa	
Cardholder Signature	Approval Code (Esri use only)				
Cardholder Printed Name					



IN-HOUSE USE
ORIGINATED BY _____ DEPT. _____ PHONE _____ CLIENT'S REQUEST \$ _____

**ESRI
CREDIT APPLICATION
COMPANY INFORMATION**

COMPANY NAME: _____ TELEPHONE: _____
DBA: _____ FAX: _____
ADDRESS: _____ CONTACT: _____

TAX EXEMPT: YES/NO. IF YES, PLEASE ATTACH
COPY OF EXEMPTION CERTIFICATES FOR ALL STATES.
LENGTH OF TIME IN BUSINESS: _____ FEDERAL ID NO.: _____
NUMBER OF EMPLOYEES: _____

CORPORATION _____ PROPRIETORSHIP _____ PARTNERSHIP
IF A CORPORATION, IN WHAT STATE INCORPORATED: _____
DATE OF INCORPORATION: _____
PRESIDENT: _____ VICE PRESIDENT: _____
PARTNER'S NAME(S): _____
PERSONS WITH CORPORATE SIGNATORY AUTHORITY: _____

COMPANY CLASSIFICATION: _____ FORTUNE 500 _____ UNIVERSITY, COLLEGE, OR PUBLIC SCHOOLS

LOCAL, STATE, OR FEDERAL GOVERNMENT _____ NONE OF THE ABOVE
BRIEFLY DESCRIBE YOUR COMPANY'S FUNCTION: _____

BANK REFERENCE

(Please list all banks and banking account numbers; attach additional pages if necessary.)

BANK NAME: _____ TELEPHONE: _____
ADDRESS: _____ CONTACT: _____

CHECKING ACCOUNT NO.: _____
OTHER ACCOUNT NO.: _____
LOAN NO.: _____

**VENDOR REFERENCE
(PROVIDE 5)**

NAME: _____ NAME: _____
ADDRESS: _____ ADDRESS: _____

TELEPHONE: _____ TELEPHONE: _____

NAME: _____ NAME: _____
ADDRESS: _____ ADDRESS: _____

TELEPHONE: _____ TELEPHONE: _____

NAME: _____
ADDRESS: _____

TELEPHONE: _____

ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC. (ESRI), PAYMENT POLICY:

NET 30 DAYS, 1.5 PERCENT LATE FEE PER MONTH AFTER 30 DAYS.

BY SIGNING BELOW, COMPANY CERTIFIES AND ATTESTS FINANCIAL RESPONSIBILITY FOR ANY AND ALL CORRECT ESRI INVOICES TO COMPANY AND ITS ABILITY TO PAY SUCH INVOICES IN ACCORDANCE WITH ESRI'S PAYMENT POLICY. COMPANY FURTHER AGREES TO PAY REASONABLE ATTORNEY'S FEES, PLUS INTEREST, IN THE EVENT OF DEFAULT IN PAYMENTS IN COMPLIANCE WITH ESRI POLICY. THE INFORMATION CONTAINED HEREIN IS ONLY FOR THE PURPOSE OF OBTAINING CREDIT AND AUTHORIZES ESRI TO OBTAIN INFORMATION CONCERNING COMPANY'S CREDIT STANDING.

PLEASE FAX TO ESRI CREDIT ANALYST AT 909-307-3031 AND MAIL ORIGINAL.

BY: _____ DATE: _____