

# CITRIX 3D PRO + NVIDIA JUMPSTART

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## OVERVIEW

The objective of this project is to provide the customer with implementation services for a Citrix 3D Pro + NVIDIA Jumpstart allowing for a much richer User Experience (UX) that can be unlocked using a GPU-enabled Workspace for high-definition graphics capabilities.

By default, today's desktops and applications are going to try and take advantage of hardware acceleration and in many scenarios require this capability. Providing a Modern Workspace that either requires or would benefit from GPU enablement is a task that requires a whole new decision tree of advanced talking points to get it just right. Application requirements and hardware acceleration enablement, Video compression (H.264/H.265, AV1, VP8 VP9, etc.) bandwidth requirements, FPS, pixels, resolution, number of monitors, vGPU licensing, endpoint capabilities, encode/decode support, YUV 4:2:0 vs YUV 4:4:4, Citrix and Microsoft GPU specific policies, and the list goes on and on for all of the various considerations and design decisions that are critical when moving to a GPU-enabled Workspace.

Choice Solution's Citrix HDX 3D Pro + NVIDIA Jumpstart led by a certified Nvidia vGPU Community Advisor (NGCA) will provide a single Windows 10/11 22H2 GPU-enabled Catalog for testing the most demanding workloads including 4K video streaming and/or graphical applications either on-prem or in Azure.

## OUR SERVICE OFFERING

### THE CHOICE SOLUTIONS CITRIX HDX 3D PRO + NVIDIA JUMPSTART WILL INCLUDE THE FOLLOWING OBJECTIVES:

- Planning discussions and environment prep for the Jumpstart
  - Architecture review
  - Application requirements review
  - If on-prem, review hosting requirements
  - NVIDIA licensing and requirements
  - If applicable, Azure review and prep
- Configuring and optimizing one new GPU-enabled Windows 10 or 11 22H2 Education or Enterprise Single session or Multisession Image
- Configuring and optimizing policies specific to HDX 3D Pro/GPU enablement
- Configuring one GPU-enabled Catalog and Delivery Group
- Configuring hosting connection integration with VMware, Nutanix AHV, or Azure in one region
- Validating and testing OpenGL, OpenCL, CUDA, video streaming, or other general workloads
- Overview of the proper sizing and validation tools for GPU workloads
- Knowledge transfer specific to the items selected for this Jumpstart

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## OPTIONAL SERVICES WHICH CAN BE INCLUDED:

Examples of other Modern Workspace features not specifically related to GPU enablement which can be included but not in the base deployment:

- OneDrive setup and policy specific to 'VDI'
- FSLogix setup and policy optimized for 'VDI'
- Defender policy optimized for 'VDI'
- Seamless SSO
- Citrix Federated Authentication Service (FAS) - NOTE: requires a fully functioning internal PKI environment which would need to be a separate scope if not already in place
- Modern Identity integration – Azure, Okta, DUO, etc.
- Azure AD Hybrid Join (AADHJ)

This Jumpstart offering is extremely specific on the scope of work and is scoped for three (3) to seven (7) professional service days. Any optional services selected from the above list would determine the exact scope of the Jumpstart as well as the need for a separate SOW for other advanced pre-requisite services.