

WHY DEPLOYING AI

On Workstations Makes Sense for Federal Agencies



THE SMART CHOICE FOR AI INNOVATION



DEVELOP & DEPLOY AI EFFICIENTLY
No need for expensive server infrastructure



BOOST PRODUCTIVITY
Workstations handle AI workloads locally with high performance



THE AI DEVELOPMENT LIFE-CYCLE

Developing AI models requires a structured approach, with six key stages that are well-served by Workstations:



ADVANTAGES OF WORKSTATIONS VS PCS:



HIGH-GRADE PROCESSORS
(e.g., Intel Xeon Scalable)



POWERFUL GPUS
(e.g., NVIDIA RTX 6000 Ada)



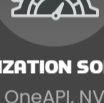
LARGE MEMORY CAPACITY
(up to 6TB)



HIGH-SPEED NETWORK INTERFACES
for efficient data transfers



ERROR-CORRECTING CODE (ECC) MEMORY
for data integrity during AI training



OPTIMIZATION SOFTWARE
(e.g., Intel OneAPI, NVIDIA CUDA)



ADVANTAGES OF WORKSTATIONS VS SERVERS:



PORTABILITY AND FLEXIBILITY
AI professionals can work from anywhere without relying on data-center availability.



UNRESTRICTED EXPERIMENTATION
No need to request server access or deal with cloud billing concerns.



OPTIMIZED PERFORMANCE
Workstations deliver interactive AI development with powerful AI GPUs, enabling faster iteration cycles.



DATA LOCALITY
Computing closer to the data reduces bandwidth costs and network congestion.



ADVANTAGES OF WORKSTATIONS VS CLOUD:



AVAILABILITY RISKS
Cloud service outages can disrupt workflows.



SECURITY & COMPLIANCE
Regulations like GDPR and industry policies may restrict data movement.



HIGH COSTS
Cloud compute fees can escalate rapidly, especially for AI workloads.



PSYCHOLOGICAL PRESSURE
AI teams may hesitate to experiment freely due to unpredictable cloud costs.



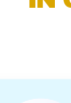
IN CONTRAST, WORKSTATIONS ALLOW AI PROFESSIONALS TO:



WORK ANYWHERE
Ideal for secure, air-gapped environments.



KEEP DATA LOCAL
Avoid compliance risks by processing data on-site.

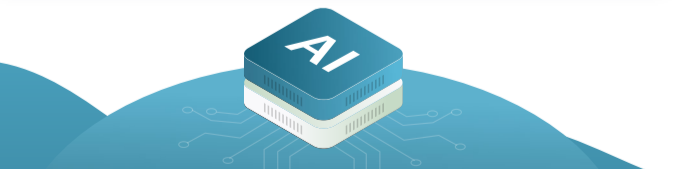


EXPERIMENT COST-EFFECTIVELY
Avoid metered cloud expenses while iterating on AI models.



USE CASES FOR AI ON WORKSTATIONS

Deploying AI models on workstations is particularly useful in scenarios that involve large volumes of machine-generated time-series data, video streams, or images. These deployments often require real-time analysis and human oversight. Key use cases include:



UNLOCK AI POTENTIAL WITH WORKSTATIONS

A PRACTICAL & SCALABLE APPROACH!