Driving Public Sector Innovation with AI-Ready Infrastructure

Thank you for downloading this Primer resource. Carahsoft is the distributor for Exxact's AI/ML solutions available via NASA SEWP.

To learn how to take the next step toward acquiring Exxact's solutions, please check out the following resources and information:

For Exxact overview:
carah.io/Exxact

For Exxact resources:
carah.io/Exxact_resources

For additional solutions:
carah.io/Exxact_Solutions

For additional Artificial Intelligence:
carah.io/AI_solutions

To set up a meeting:
Exxact@Carahsoft.com

To purchase, check out the contract vehicles available for procurement:
carah.io/procurement

For more information, contact Carahsoft or our reseller partners:
Exxact@Carahsoft.com

Driving Public Sector Innovation with AI-Ready Infrastructure

Across the public sector, the pace of technological change is accelerating, but the mission has never been clearer: empower defense, education, and healthcare organizations to operate smarter, faster, and more securely. Artificial intelligence is driving this transformation, turning data into actionable insight and immersive simulation into decisive advantage.

Exxact believes the foundation of these breakthroughs lies not only in advanced algorithms but in the computing infrastructure that anchors them. Its GPU-accelerated workstations, servers, and clusters are engineered to power the demanding AI and simulation workloads shaping the future of public service, from tactical simulation and digital twins to precision health and advanced research.

carahsoft | EXXACT

Immersive Visualization for Defense and Training

In national defense and public safety, realism and speed are everything. GPU-powered immersive visualization platforms now enable high-fidelity flight, ground, and battlefield simulations that replicate complex environments in real time. These visualizations help teams rehearse scenarios safely, analyze mission strategies under stress-tested conditions, and consolidate sensor data into unified situational awareness.

Through optimized GPU architectures and scalable compute solutions, Exxact helps military and government research teams accelerate these models, thereby reducing latency, increasing frame rates, and ensuring consistent performance under heavy AI-driven workloads.

Engineering Simulation and CAE for Infrastructure and Research

Engineering simulation has become essential not only in aerospace and manufacturing but also across public infrastructure and energy research. Finite element and CFD-based design workflows now lean on GPU acceleration to cut simulation times from days to hours, enabling engineers to iterate faster and test more mission-critical variables within limited budgets or timelines.

From digital wind tunnels for next-generation aircraft to structural modeling for resilient public works, Exxact solutions support the leading CAE and simulation platforms trusted in federal labs and academic research.

AI and Computational Biology in Life Sciences

Healthcare and biomedical research are entering an era of unprecedented discovery. GPU-powered AI systems are helping life sciences researchers sequence genomes faster, predict drug interactions more accurately, and simulate protein folding at supercomputing speed.

Exxact works with leading research institutions and hospitals to deploy secure, scalable AI infrastructure capable of handling these computationally intensive models, enabling scientists and clinicians to advance personalized medicine, diagnostics, and epidemiological research.

Preparing for Mission-Ready AI

Every agency and institution deploying AI now faces a common challenge: how to operationalize innovation with secure, sustainable, high-performance infrastructure. Exxact addresses that challenge with a full spectrum of turnkey AI-ready hardware, from data center clusters to edge and visualization systems, each optimized for the unique needs of public sector workloads.

The next frontier of AI-driven innovation depends on infrastructure designed for insight, simulation, and discovery at scale, and **Exxact** is building it.