

Axient Capability Highlight: Digital Transformation

Executive Summary

Cloud is the future of work for our customers in the US Government (USG) and there is a need for secure cloud environment to protect our national security while collaborating with external partners and stakeholders. There is currently no single cloud integrator and/or cloud digital transformation company for USG. Consequently, there is a lot of confusion around the people, process, methodology for securely establishing cloud migration for USG missions, programs and organizations. Secure cloud migration and adoption will result in cheaper, more efficient, elastic, on-demand, end-to-end cloud architecture, integration and development. Axient is creating an integrated platform of code, data, tools, and user support that will make it easier for USG stakeholders (to include commercial partners) to develop and evaluate program and system improvements.

Axient's Digital Transformation Capabilities & Products

- IT Modernization
- Cloud Adoption and Application Modernization
- Model-Based Systems Engineering (MBSE) and Model-Based Everything (MBx)
- Digital Engineering and Digital Twin
- Enhanced Mission and Customer Experience
- Zero Trust Security Architectures and Continuous Authority to Operate (cATO)
- Software-Defined Everything
- AI-Enabled Data Environments
- Intelligent Software Development Applied to Knowledge Management; Robotic Process Automation (RPA); and Data-Driven Decision-Making

OVERVIEW

Axient's industry-proven, cloud-first, and "container-smart" approach accelerates USG stakeholder code migration to a cloud-based DevOps architecture to facilitate community engagement. This engagement optimizes our nation's models and enhances collaboration, providing the USG community with efficient and easy access to the code, data, and tools. This enables Axient to deliver the velocity, scale, and predictability necessary to ensure that USG has:

- Processes and management tools that leverage the enterprise to provide expertise on removing barriers to improving system(s) design; these scale to multiple simultaneous application migrations while providing migration transparency and insights
- Automation that enables scientists and engineers to collaborate effectively in areas important for improving and accelerating development to operations, including model development, data assimilation techniques, systems architecture integration, and computational efficiencies
- A common development environment that strengthens USG's ability to undertake research projects in pursuit of substantial advancements in multiple missions
- Improved outreach to drive innovation within the community research modeling system.



Case Study

Problem Statement

USG does not have cloud-based DevSecOps capability and associated CI/CD pipeline to be able to process USG sensitive data and collaborate with commercial partners.

Axient's Solution

To enhance the delivery of cloud-based DevSecOps services that improve performance, reduce burden, and produce long-term benefits to USG.

- **Support the mission:**
 - Value USG workforce-led innovations
 - Maintain a balanced cross-disciplinary portfolio
 - Train and nurture a diverse new generation of leaders for the USG software
 - Support implementation that empowers USG workforce and enables partners to improve processes
- **Unlock Agility**
 - Future-proof the technology architecture
 - Empower end-users
 - Enable speed to deliver new services and solutions
 - Adopt Agile and DevSecOps execution and mid-set
 - Standardize the IT platform
 - Embrace continuous technology change
 - Lower/remove barriers to innovation
 - Support experimentation and learning
 - Interact more effectively with partners
- **Operational Excellence**
 - Update governance processes
 - Shift IT expenditure from CapEX to OpEX
 - Develop IT Strategy and Modernization Road Map
 - Establish Centers of Excellence
 - Increase fiscal efficiency and minimize budget variation
 - Consume pay-per-use IT for commodity services
 - Prepare the organization for a cultural "transformation"
 - Develop strong vendor ecosystem
 - Continuous optimization of operational processes
 - Transparency and value-based IT

Digital Transformation:
Technology is the tool. People
are the focus. More value is
the outcome.



About Axient

With over 2,200 employees, Axient is headquartered in Huntsville, Alabama and has provided premier services and solutions to the Federal Government for more than three decades. Axient's customers include the U.S. Space Force, U.S. Air Force, U.S. Army, U.S. Navy, Missile Defense Agency, and NASA. Axient is certified in the following: ISO 9001:2015, AS9100 Rev D, CMMIDEV Maturity Level 3, and has a DCMA Purchasing System, DCMA Property System, and DCAA Accounting System.