U.S. Space Force Tech Refresh:

A Partnership to Ensure Mission Success Without Skipping a Beat
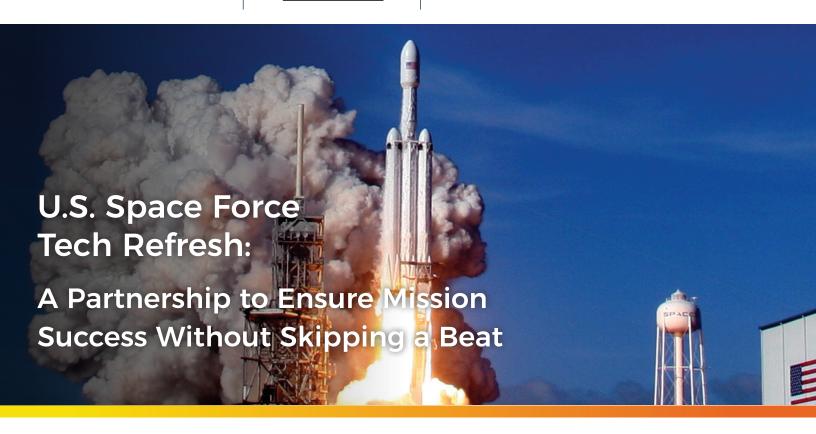
OVERVIEW:

The U.S. Space Force (USSF) enlisted trusted, experienced partners to help maintain and modernize the military's network of space surveillance systems, to include space situational awareness sensors, command-and-control systems, and battle management C2 capabilities.

> *Presidio Federal and ESCgov are proud to serve as trusted advisors to support our customers, DoD and beyond, on the ground, air, and space. Supporting in each of these domains gives us a unique understanding of the ecosystem and the mission, and enables us to make quick modifications, provide necessary sustainment and introduce new capabilities.*

THE CHALLENGE:

The USSF had been using the same IBM processors for more than 5 years to support the mission. The previous technology was nearing the end of life and was not upgradable to support the USAF Multi-Cloud Strategy.

This is where Presidio Federal and ESCgov came together to provide technical consulting and best-fit options to the USSF. They performed thorough evaluations of various best-fit solutions determining which would provide the best value and be technologically, operationally, and federally compliant.

SOLUTION:

Together, the team recommended an on-premises **Platform-as-a-Service** (PaaS) solution that addressed both the technical requirements and business challenges faced by USSF. Combining state of the art IBM and Red Hat portfolios with a PaaS delivery model accomplished the required technology refresh using limited operational funding from USSF that might otherwise have gone to supporting the outdated legacy environment. The PaaS solution came pre-configured and ready to go with everything needed to quickly inject modernization into existing applications.

The solution combines an optimized stack of hardware and software to simplify the deployment of a private cloud environment. For the USSF, upgraded IBM processors replaced the older systems which were end of life, and no longer covered under IBM standard support offerings.

The solution included features like:

- Massive throughput, performance, and scalability
- Enabling large-scale consolidation of older, under-utilized servers
- Improvement in infrastructure resilience
- Enabling rapid service delivery
- Availability of further upgrades

BENEFITS AND A LOOK TO THE FUTURE:

The PaaS solution enabled USSF to complete tech refresh and save thousands of program dollars now and in the future. They also now have a platform that will support the IT modernization and reduce concerns regarding the migration to a new architecture.

The new platform provides many valuable benefits, which include:

- A scalable platform supporting on-premises or hybrid cloud operations
- Flexibilities and capabilities thru enhanced enterprise pools and mobile cores/memory
- Enterprise class reliability, availability, and serviceability features for 7x24x365 ops
- Asset management and facilities benefits associated with 50% reductions in footprints

KEY ROI

- Improved Infrastructure
- Lower maintenance spending
- Reinvestment the cost of the current maintenance over the next 3+ years
- Decrease in annual operating expenses as the hardware maintenance cost was bundled into the upgrade

Are you curious how ESCgov, IBM, and Presidio Federal can help pair your agency with the right technology to modernize? Contact us today and let's work together to address the problems you need solved.