

HYBRID MULTI-CLOUD IT ARCHITECTURE

AFRL DIGITAL TRANSFORMATION FOUNDATIONAL CAPABILITIES

WHAT A DIGITALLY TRANSFORMED AFRL LOOKS LIKE

A Digitally Transformed AFRL optimally utilizes its people, processes, and data to design and execute its portfolio to enable the Department of the Air Force to deliver needed capabilities to the warfighter at the speed of relevance. The Digital Transformation Strategy features foundational capabilities that measurably accelerate the generation and transition of adoption-ready technology with demonstrable military benefit.

Provide modern digital services facilitated by a robust enterprise IT architecture

AFRL's LabVerse transforms the user experience by delivering Cross-Domain capable Hybrid Multi-Cloud (CD-HMC) integrated infrastructure that accelerates the research and development mission, supports data flow, and provides foundational service capabilities across the entire workforce.



DELIVERABLES

- Digital Service Catalog and HMC Operation Center leverages AF Cloud One to enable flexible workloads in the Cloud across multiple cloud service providers and at multiple levels of classification with streamlined ATOs for DoDIN integration
- Lab RDT&E CDHMC network with rapid access to X-as-a-Service (XaaS) for R&D
- AFRL Digital Services Operating Model enables Lean Agile Portfolio Management for the enterprise and directorates

BENEFITS TO CUSTOMER

- Faster Research: XaaS on demand; rapid access to data and digital services
- Better Decisions: Data on demand through integrated infrastructure
- Streamlined Transitions: Integration/ interoperability with DoDIN Multiple Classification Levels
- Low-Fiction Business & Ops: Streamlined user experience with zero trust architecture and single sign on

TECHNOLOGY CHALLENGES

- Lack of technology to support/automate portions of approval processes
- Physical infrastructure (Fiber, 5G, Satcom, Wi-Fi) – parity of network access across AFRL
- Consolidation and migration from legacy and shadow IT