

USAF Problems

Aging, fragmented, and interconnected legacy systems, leading to:



Vendor lock-in



Perpetual licensing fees



Legacy can't support AI

ANR Solutions

Quickly assess systems and transform from legacy to modern:



No vendor lock-in



No licensing fees



Modern, AI-capable architecture

The Northstar Modernize Package

ANR's Agentic AI capability operationalizes the same modernization logic used in our proven USAF modernization patterns—automating assessment, architecture decisions, and code transformation pathways to deliver faster, more consistent results.



Drive Innovation



Reduce Costs



Unlock Data Silos



Reduce Operational Risk



Eliminate Lock-In

Assessment Report

Agent-driven assessment producing a binding tier classification, target architecture, and modernization pathway.

Also available as a standalone product.

Modernized Codebase

Full source repository with git history through engagement completion. No SaaS licensing dependency. Customer owns it outright.

CI/CD Pipeline Source

Pipeline-as-code covering build, test, security scan, and deployment stages. Configures to the customer's preferred toolchain.

Security Body of Evidence

NIST 800-53-aligned control evidence, STIG findings and remediation, and an ATO-ready documentation package.

Application Docs Package

Architecture document, source code structure, SV-1, and ports / protocols / services (PPS) artifacts for the customer's sustainment team.

Knowledge Transfer

Three two-hour knowledge transfer sessions with the customer's team, plus 120 days of post-delivery transition and support.

Proven USAF Modernization Patterns

Enterprise Legacy Transformation at Scale

Proven through PAMS / MetWeb / LabMet, ANR modernized this USAF family of metrology applications, refactoring legacy desktop tools built on non-enterprise technology such as Microsoft Access into modern web-based applications. We redesigned the MetBuy Suite into browser-hosted web apps and refactored the AMS application to use API-based communication. Tasked to modernize 7 desktop applications, ANR ultimately eliminated 9 (28.6 percent over the requirement), built 9 custom web applications, and modernized roughly 40 more. The work reduced the Government's infrastructure footprint, maintenance burden, and labor cost, and delivered on schedule and on budget.

Event-Driven Cloud Re-Architecture for Mission Systems

Proven through PBES (Program and Budget Enterprise System) modernization, ANR re-architected the data ingestion module of a classified USAF financial planning system into a modern, event-driven design and reduced its technical debt. This modernization increased ingestion throughput by more than 300 percent, cut mean time to resolution on critical incidents from four hours to under 45 minutes, reduced pipeline execution times by roughly 40 percent, and lowered monthly operational cost by about 15 percent, all while sustaining 99.99 percent availability.

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