Architecting the Enterprise for Auditability
AF IT Operational Context

Every Mission Area an island:
- Pursuing unique solutions to common problems
- Decreasing IT spend value
- Designing IT independent of supported missions (IT for IT’s sake)
- Increasing cybersecurity risk
- Losing data visibility & intel
- Creating operational risk through gaps and seams between systems
- Decreasing Cloud migration velocity
- Wasted energy on products, no synergy in delivering services

Readiness impacted by stove-piped budgets, priorities, & technical disparity

Integrity - Service - Excellence
Business Mission Area
Audit Challenges

Air Force Business Mission Area 2018

442 Systems
- 309 Business Outcomes

2250 subordinate tasks
- ~550 of them manual

- Feral data growth
- Systems not designed to support E2E business

Shifting focus from siloes & systems to enterprise business outcomes

Integrity - Service - Excellence
Integrated Business Operations Environment

Digital enterprise architecture: Outcome driven, properly sequenced alignment of strategy, business & technology
- Deliberately architected
- Tightly integrated
- Actively managed

AF Data Architecture

The North Star
Digitally Enabled Outcomes

Transition From Legacy and Technical Debt into Modernized Microservices

Software and Platform as a Service

Manage Oracle as a Technical Standard

The Shared Services Catalog

Invest in infrastructure first
- Foundation for digital capabilities

- Defined outcomes
- Enterprise Decisions (SEC)
- Centralized Control (ESWG)
- Decentralized Execution (Portfolios/PEOs)

Effective Governance
Shared Commitment

CDO

DCIO

DCMO