

IT MODERNIZATION

Avalon retires your riskiest legacy systems in funded, low-risk increments, and measures success by systems turned off, not hours billed.

THE PROBLEM WE ADDRESS

Agencies typically report spending roughly 80% of IT budgets just operating and maintaining systems GAO has flagged as decades old, leaving nothing for new capability.

Federal modernizations have a documented failure pattern — usually multi-year, big-bang rewrites with no working software until the end, and most never finish.

WHAT WE DO

- System inventory, dependency mapping, and technical debt/risk scoring
- Disposition analysis using the Gartner TIME framework and 6R/7R migration patterns
- Target architecture aligned to the agency's zero trust roadmap
- Sequenced modernization roadmap with a funding strategy (TMF, working capital fund)
- Pilot modernization using strangler-frog and event-interception patterns
- Scaled execution with CI/CD pipelines and automated testing built in from the start
- Data migration with characterization testing, profiling, and reconciliation evidence
- Formal legacy system retirement, with a decommission report quantifying eliminated cost

HOW WE DO IT

1 INITIATION & DISCOVERY

Access provisioned; inventory, dependency mapping, and risk scoring across the portfolio.

DELIVERABLE

Scored system inventory

3 INCREMENTAL EXECUTION

Repeating 8–12 week increments across the roadmap, each ending in deployed, working capability.

DELIVERABLE

Working capability, increment by increment

2 DISPOSITION & ROADMAP

Disposition matrix, target architecture, increment plan, funding strategy, and an executive readout.

DELIVERABLE

Sequenced modernization roadmap

4 CUTOVER & DECOMMISSION

Data migration, cutover, legacy retirement, and savings verification.

HANDOVER

Decommission report + verified savings

VALUE DELIVERED

- › **Decommissioning is the deliverable.** Revenue doesn't depend on legacy systems staying alive.
- › **Authorization impact engineered in, not discovered.** Boundary changes are documented as increments are built, not found at cutover.
- › **Working software every 8–12 weeks.** No multi-year bet on a single cutover — each increment ends in deployed capability.
- › **Savings that are auditable, not vibes.** Decommission numbers come from the same evidence-grade discipline as Avalon's FinOps practice.

THE ONE THING TO REMEMBER

Decommissioning is the deliverable, not an afterthought.

COMMONLY PROCURED AS

IT portfolio modernization & legacy decommissioning services

AT A GLANCE

Model	Fixed-price per increment
Typical	4–7 months for a single-system pilot; 12–36 months for a portfolio program
NAICS	541512, 541511, 541519, 541611, 541690
UEI	Y9MXMMHY3HA1
CAGE	242T0
Standards	NIST SP 800-53/RMF, CISA Zero Trust Maturity Model, NIST SSDF (SP 800-218), GAO High-Risk List

WHO WE WORK WITH

- CIO managing a portfolio GAO has flagged for aging, high-risk systems
- ISSO with POA&M items that can't close because of unsupported components
- Budget office needing a funding strategy (TMF, working capital fund) for replacement

COMMITMENT TO QUALITY

Avalon is led directly by a PMP-certified founder with a decade of enterprise engineering experience where every engagement gets senior-level attention, never a subcontracted bench. Delivery follows NIST SP 800-53, RMF, and FISMA, evidence-backed and control-mapped by design. ISO 9001/27001 is on the roadmap as the pipeline scales.

Status: Small business federal contractor based in Los Angeles, CA

NIST SP 800-53/RMF

CISA ZERO TRUST MATURITY MODEL

NIST SSDF (SP 800-218)

GAO HIGH-RISK LIST