

CLOUD ARCHITECTURE & ENGINEERING

Avalon delivers a cloud environment engineered to pass federal security review the first time — so mission systems reach production in weeks instead of quarters.

THE PROBLEM WE ADDRESS

Programs sit in queue for months because no compliant environment exists to deploy into, and ad hoc environments produce authorization boundaries no ISSM can defend.

Hand-built "snowflake" environments cannot be rebuilt after an incident, cannot be replicated for new programs, and depend on the memory of whoever clicked the console buttons.

WHAT WE DO

- Current-state cloud assessment with prioritized findings
- Account, network, and identity federation design
- Impact-level and FedRAMP baseline mapping
- Architecture decision records for every major choice
- AWS Control Tower/Landing Zone Accelerator or Azure landing zones
- Policy-as-code guardrails mapped to NIST SP 800-53
- CIS or DISA STIG hardened baselines
- Automated compliance scanning and control-implementation evidence

HOW WE DO IT

1 KICKOFF & DISCOVERY

Read-only access provisioned; inventory, interviews, and a configuration/posture review build the current-state assessment.

DELIVERABLE

Current-state assessment

3 LANDING ZONE BUILD

Infrastructure-as-code implementation, guardrails, and a first workload enclave with iterative demos.

DELIVERABLE

Working landing zone

2 TARGET ARCHITECTURE

Account, network, identity, and guardrail design reviewed with your ISSM, with decision records for every choice.

DELIVERABLE

Target architecture + decision records

4 VALIDATION & HANDOFF

Compliance scans, control-implementation evidence, boundary documentation, and knowledge transfer.

HANDOVER

Compliance evidence + runbooks

VALUE DELIVERED

- › **An environment your ISSM can defend.** Every significant decision is captured in an architecture decision record.
- › **Rebuildable, not a snowflake.** Every environment ships as version-controlled, reviewable infrastructure-as-code the agency owns outright.
- › **Evidence, not just engineering.** Control-implementation statements and compliance scans are a native output, not reconstructed later.
- › **No incentive to linger.** A fixed-scope, evidence-out model delivers a finished foundation, not a permanent presence.

THE ONE THING TO REMEMBER

An environment your ISSM can defend, not a diagram and a wish.

COMMONLY PROCURED AS

Cloud landing zone design & engineering services

AT A GLANCE

Model	Fixed-price, scoped per engagement
Typical	6–9 wks design-only; 3.5–6 months design and build
NAICS	541512, 541511, 541519, 541611, 541690
UEI	Y9MXMMHY3HA1
CAGE	242T0
Standards	NIST SP 800-53 Rev 5, NIST SP 800-37 Rev 2 (RMF), DoD Cloud Computing SRG, FedRAMP-certified environments

WHO WE WORK WITH

- CIO / cloud program lead needing a compliant environment to deploy into
- ISSM inheriting an ad hoc environment with an undefensible boundary
- Program manager standing up a new system's authorization boundary

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 REV 5

NIST SP 800-37 REV 2 (RMF)

DOD CLOUD COMPUTING SRG

FEDRAMP-CERTIFIED ENVIRONMENTS