

DSD Forge™

The Synchronization-Powered Operating Platform for High-Assurance Mission Delivery

OVERVIEW & IMPACT

DSD Forge™ is an integrated operating environment that unifies application, infrastructure, database, and compliance layers into a single, synchronized execution stream. By operationalizing AI to execute the repeatable engineering, configuration, and validation tasks that define the high-assurance software lifecycle, DSD Forge™ eliminates fragmented tooling and manual coordination.

Today, defense and government institutions use DSD Forge to accelerate mission capability, secure cloud migrations, and maintain authorization.

- ✓ CONTROLLED EXECUTION
- ✓ INTEGRATED SYSTEM DELIVERY
- ✓ SECURITY HARDENED PRODUCTS
- ✓ SCALABLE MISSION SUPPORT
- ✓ REDUCED ENGINEERING FRICTION
- ✓ OPERATIONAL CONSISTENCY
- ✓ SYSTEM AUTONOMY
- ✓ ARCHITECTURAL MOBILITY
- ✓ LIFECYCLE COMPRESSION

MISSION-DRIVEN CAPABILITIES

- **REAL-TIME COLLABORATION**
DSD Forge™ integrates decision-making in a common logic layer, driving meaningful action as mission conditions evolve.
- **THE BEST WAY TO BUILD**
Compose AI-powered workflows on a scalable architecture that re-uses your ecosystem's multi-modal templates, actions, and security patterns.
- **NO FRAGMENTATION**
Incorporate data and models from your existing enterprise architecture without fracturing sources of truth or increasing manual coordination burden.
- **NO FORCED PROGRAM RESETS**
Existing repositories and pipelines are ingested to establish baselines and drive continuous improvement without disrupting your ongoing mission execution.
- **ACCOUNTABLE AUTOMATION**
DSD Forge™ embeds automation into your infrastructure, pipelines, and compliance to scale delivery without compromising oversight, auditability, or authorization defensibility.
- **SPEED TO CAPABILITY**
DSD Forge™ targets up to 80% reduction in cloud migration time, and reduces RMF and ATO friction through continuous evidence generation.

HOW TO GET TO US

FEDERAL CUSTOMERS:



Tradewinds Solutions Marketplace

AWARDABLE SOLUTION



DSD Forge™: AI Enabled SDLC Automation to Accelerate DoW Platform Modernization and Mobility



Platform One (P1) Marketplace

AWARDABLE SOLUTION



DSD Forge™: AI-Enabled DevSecOps Platform for Continuous Secure Delivery Across the Software Development Lifecycle

COMMERCIAL CUSTOMERS: info@dsdlabs.com

The Integrated Ecosystem



KALVIS

DELIVERY ORCHESTRATION & GOVERNED AI PLATFORM

- AI-guided requirement refinement and SME collaboration.
- Generates application code, unit tests, and structured work packages aligned to enterprise standards.
- Lifecycle delivery governance with built-in approvals and RMF traceability.



ASTRA

CLOUD INFRASTRUCTURE & DEVSECOPS AUTOMATION

- Defines compliant multi-cloud (AWS, Azure, GCP) architecture templates.
- Automates Infrastructure as Code (IaC) and GitLab CI/CD pipeline generation.
- Embeds NIST 800-53 controls and secure configuration baselines across IL2-IL4/IL5 environments.



OPTIBASE

AI-POWERED ANALYSIS & OPERATIONAL OPTIMIZATION

- Unifies security compliance, performance diagnostics, and database remediation.
- Automates STIG compliance scans and generates remediation SQL fixes.
- Eliminates fragmented tooling across database and infrastructure environments.



VELES

COMPLIANCE & SECURITY GOVERNANCE PLATFORM

- Centralizes security assessment workflows and automates NIST 800-53 and FedRAMP-ready control validation.
- Ingests pipeline outputs and evaluates evidence against SCA/AO/R criteria.
- Provides real-time ATO readiness assessments and audit-ready traceability.

SYNCHRONIZED LIFECYCLE AUTOMATION

DSD Forge™ connects every phase of development to move your project seamlessly from initial concept to authorized deployment. By embedding security and AI-driven validation into your daily engineering workflows, the platform keeps your entire software lifecycle operating in continuous alignment.

■ REQUIREMENTS & DESIGN

Defines system architecture and security patterns via AI-guided requirement refinement.

■ BUILD & TEST

Generates secure code and IaC while running automated SAST/DAST scanning and database STIG checks.

■ AUTHORIZE & OPERATE

Validates evidence artifacts in real time to maintain authorization and on-click compliance visibility.

CONTACT US FOR A DEMO



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