

G2 Ops, Inc.
AWS Marketplace
MBSE QuickStart
SysML Model Development & Digital Engineering
Enablement

The MBSE QuickStart enables organizations to successfully adopt, implement, and optimize Model-Based Systems Engineering (MBSE) practices through a structured, outcome-driven engagement. We guide teams through the transition from document-based engineering to model-driven engineering, delivering a baseline SysML model, establishing governance, and integrating tools to support long-term scalability.

This offering is ideal for federal, defense, and commercial engineering organizations seeking to modernize engineering processes, improve traceability, and enhance collaboration through digital engineering.

Scope of Work

This engagement includes:

Organizational Strategy and Planning

- Develop a tailored MBSE implementation roadmap aligned to mission goals
- Define infrastructure, tooling and scalability requirements

Project Initiation and Support

- Facilitate project kickoff and stakeholder alignment
- Define modeling objectives and develop initial SysML artifacts

Process Integration and Optimization

- Embed MBSE practices into existing engineering workflows
- Align modeling activities with organizational processes and standards

Proven MBSE Approaches for Engineering Challenges

- Apply established MBSE methodologies and frameworks
- Accelerate problem-solving using reusable modeling patterns and best practices

Model Governance and Validation

- Establish governance frameworks for model quality and consistency
- Define validation processes aligned to industry and organizational standards

Tool Customization and Integration

- Configure modeling environments (e.g., Cameo)

Training and Knowledge Sharing

- Deliver foundational MBSE training
- Provide tool-specific instruction (e.g., Cameo)
- Share best practices to enable sustained adoption

Deliverables

At the conclusion of the engagement, the customer will receive:

- Baseline **SysML system model** (requirements, structure, behavior diagrams)
- **MBSE implementation roadmap and strategy document**
- **Model governance and validation framework**
- **Architecture overview and system decomposition artifacts**
- **Traceability matrix (requirements to model elements)**
- **Toolchain configuration and integration documentation**
- **Training materials and knowledge transfer sessions**
- **Executive briefing and technical walkthrough**

Timeline

Typical duration: **4–6 weeks**

Phase 1: Discovery & Strategy (Week 1)

- Stakeholder alignment
- Use case definition
- MBSE roadmap development

Phase 2: Model Development & Integration (Weeks 2–4)

- SysML model creation
- Architecture decomposition
- Toolchain configuration and integration
- Iterative reviews

Phase 3: Governance, Training & Delivery (Weeks 5–6)

- Governance framework implementation
 - Training and knowledge transfer
 - Final model delivery and executive briefing
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Customer Responsibilities

To ensure successful delivery, the customer will:

- Provide access to system documentation and engineering artifacts
 - Assign a primary technical point of contact
 - Participate in working sessions, reviews, and training
 - Provide access to modeling tools or approve tool selection
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Pricing

Final pricing may vary based on:

- System complexity and scope
- Toolchain integration requirements
- Number of stakeholders and interfaces
- Training and customization needs

Custom pricing available via Private Offer.

Delivery Method

- Remote (default)
 - Hybrid or onsite delivery available upon request
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Geographic Availability

- United States (including federal and commercial customers)
- Additional regions available upon request

Service Categories

- Engineering & Design
 - DevOps / Engineering Tools
 - Migration & Modernization
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Support & Follow-On Services (Optional)

Available via Private Offer:

- Advanced MBSE implementation and scaling
- Digital engineering transformation strategy
- DevSecOps and MBSE pipeline integration
- Extended training and workforce development
- Ongoing model development and optimization