10. Why OMG and Why MARS?

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Why OMG?

- Model Driven Architecture provides the foundation for separating platform-independent and platform-specific concerns
- OMG modeling languages support precise architectural and information models
- Existing OMG specifications address interfaces, middleware, distributed Systems, Data exchange, and Semantics
- Domain Task Forces contribute operational requirements and real-world use cases
- The OMG RFP process supports competing or joint proposals and consensus-based adoption
- An OMG specification can provide a common foundation across industries and implementation technologies

Why MARS?

- SIP-RA addresses distributed processing, middleware, interfaces, and information exchange
- Federation requires architectural relationships among independently governed Systems
- Platform independence is central to the proposed Reference Architecture
- MARS members bring experience with APIs, protocols, distributed services, and interoperability
- MARS can coordinate the RFP while drawing on expertise from other OMG groups

Cross-OMG Participation

- Architecture Board for architectural consistency and specification quality
- ADTF for MDA, UML, SysML v2, metamodeling, and model transformation
- Domain Task Forces for representative missions, constraints, and use cases
- Ontology and semantics communities for governed meaning and semantic mappings
- Security communities for trust, Policy, jurisdictional, and cross-domain concerns

MARS provides the technical center of gravity, while successful adoption requires participation across OMG.

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