

The Integrated Architecture Modeling and Management capability from IBM.



Highlights

- ***Encourages transparency and visibility***
- ***Promotes program and organizational cost savings***
- ***Helps deliver a rapid return on a minimal investment***
- ***Facilitates faster, higher-performing deployments to the field***
- ***Works to mitigate risk across the systems development lifecycle***
- ***Supports an auditable integrated architecture within a program and across your portfolio***

The Integrated Architecture Modeling and Management (IAM2) capability from IBM supports your organizational processes to implement your program strategy across multiple solutions. Model-centric technology, industry approaches and IBM best practices come together in this offering to promote organizational transparency. By leveraging this innovation, you can improve visibility, deliver solutions successfully and control your portfolio. Ultimately, this capability can help you improve the way you approach the integration and management of programs and solutions.

Integrated model promotes transparency

The IAM2 capability is designed to support the development of an integrated model that describes the essential concepts of your solutions portfolio and programs. Facilitating integration across legacy or service-oriented architecture (SOA) solutions, the IAM2 capability enables you to rapidly access and reuse assets. The integrated model supports your preferred methods and processes for architecture development. And it allows you to extract tailored reports and views for analysis and to support industry frameworks, government frameworks and other cross-industry standard frameworks such as The Open Group Architecture Framework (TOGAF) and the NATO Architecture Framework (NAF).

Providing a model for transforming your portfolio and programs over time, the IAM2 capability facilitates realization of an open business model-based acquisition strategy. Open business models facilitate visibility and encourage competition among your solution deliveries while also allowing you to develop or acquire multiple complex solutions based on multiyear funding cycles. The capability allows your strategists, program managers, business experts, systems engineers and IT architects to collaborate within a single integrated environment. Using the IBM solution, you can work to achieve real visibility of your enterprise through business intelligence reporting—all while leveraging the Model-Driven Architecture (MDA) approach.

Integrated technologies work to reduce risk

IBM Rational® solutions based on Eclipse technology provide an integrated suite for architecture lifecycle management. These solutions, coupled with IBM best practices, help minimize the resources required to establish and maintain an integrated

solution, and they can help mitigate risk on your program's ultimate success. The IAM2 capability supports an SOA approach and facilitates seamless integration with the IBM SOA Foundation—a cross-brand solution that provides for run-time SOA delivery and core SOA enterprise services.

The core IAM2 capability is composed of a set of solutions in several lifecycle categories: integrated architecture definition modeling, requirements definition and management, change management, asset and configuration management and integrated quality management.

Integrate architecture definition and design

Offered across the IBM Rational Software Architect family of products, the integrated architecture model allows you to model, design and rapidly build resilient portfolio, business, strategy, and system-of-systems and system/IT architectures to define and manage integrated solutions, implement strategy and drive SOA initiatives. And this may be done within a single environment and model framework.

Integrate portfolio or solutions architecture

IBM Rational Asset Manager software integrates with IBM Rational Software Architect, as well as with IBM Tivoli® and IBM WebSphere® solutions to rapidly integrate, manage, reuse and align architectures across your portfolio for increased visibility, program integration and component management. With the Integrated Architecture Modeling and Management capability, Rational Asset Manager can help you acquire quick answers to questions to analyze entire portfolio or system of systems. And you can develop an organizational asset management reuse strategy.

Manage portfolio and program assets

IBM Rational ClearCase® software, integrated with Rational Asset Manager, provides a scalable solution for configuration management and version control. Any size project can leverage and scale with these Rational tools within the IAM2 capability to help improve architecture management and delivery.

Control change across stakeholders

IBM Rational ClearQuest® software, integrated with Rational Asset Manager and either Telelogic® DOORS® software from IBM or IBM Rational RequisitePro® software, provides a comprehensive change management solution that aligns the workflows, assets and requirements that drive or support change.

Define and manage quality requirements

IBM Rational Requirements Composer, Rational RequisitePro and Rational Software Architect can help you capture stakeholder needs and effectively define requirements to map with business objectives. The solutions can also help you manage requirements and provide traceability and alignment with business processes.

Integrate lifecycle data

Rational RequisitePro software, integrated with Rational Software Architect and IBM Rational Quality Manager software, provides an explicit tracing between your requirements, architecture elements and test cases. The IAM2 solution maintains a dynamic tracing across critical systems engineering data that supports decisions and deliverables and drives business objectives and outcomes.

Integrate solutions across multiple projects or initiatives

Evolve and integrate your portfolio of solutions using a model-driven engineering approach. The IAM2 capability leverages best practices and technologies to drive visibility and control across these initiatives. Embedded in the capability is IBM's innovation around business intelligence and reuse. Leverage this knowledge to govern and repurpose your architecture or service-related assets within a single environment—tailored to your systems portfolio. Extract relevant and customized reports from architecture assets to achieve a comprehensive perspective. Address expected and unanticipated change with increased business intelligence visibility for impact analysis, reuse and reporting.

Integrated portfolio promotes flexibility

The differentiated approach from IBM encourages innovation by working to instill visibility and alignment in your program or portfolio of solutions, which facilitates portfolio management. The Integrated Architecture Modeling and Management capability helps identify common components for reuse and costing, drive open strategies early to support ease of integration later, and align to your strategy and acquisition concerns to meet goals and objectives.

The IAM2 capability works to alter the playing field. It can help you deploy higher-performing solutions faster. And it can help you significantly improve the way you approach management of multiple solutions or projects within your portfolio or program. Get started by importing legacy data that may be reused immediately. Or transform data from your enterprise architecture to implement your strategy with IAM2—then extend your integration across IBM solutions such as WebSphere, Tivoli and other Rational products including Telelogic System Architect® and Telelogic Rhapsody® software from IBM.

For more information

To learn more about the Integrated Architecture Modeling and Management capability from IBM, contact your IBM representative or IBM Business Partner, or visit:

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