

IBM Engineering Requirements Management DOORS Next

Successful complex product development begins with requirements management



Highlights

Comprehensive management of requirement artifacts

Increased productivity and quality through reuse

Integrated across the development environment

Companies today face an unprecedented challenge to develop increasingly complex products faster and cheaper. Businesses are under pressure to deliver for progressively more sophisticated customers, while still ensuring that regulatory and compliance standards are met. All product development starts with requirements. Requirements define the essence of what is being developed. Strong requirements management is a necessity and establishes the foundation for your entire development environment. When requirements and their management are handled correctly, your odds of successful development increase exponentially. However, if your requirements management is mishandled, your development team can struggle to find success.

The IBM® Engineering Requirements Management DOORS® Next is a market-leading, comprehensive requirements management solution used across multiple industries to manage increasingly complex product development. As a stand-alone tool or as part of the holistic IBM Engineering Lifecycle Management portfolio, DOORS Next represents a critical component or foundation in many companies' development process. DOORS Next aids your team in the capture, tracing, analyzing and managing of changes to requirements while helping maintain compliance with industry regulations and standards.





Comprehensive management of requirement artifacts

Throughout the years, IBM has helped define what a modern requirements management product should be. The DOORS Next tool is the embodiment of that work. DOORS Next acts as a repository for requirements as well as an integrated control-point for managing requirements through the entire development lifecycle.

Maintaining a comprehensive requirements repository, DOORS Next manages each requirement artifact by handling change management throughout the development process. This serves as a trusted source for regulatory and compliance reviews, as well as for tracking and communicating the respective status of each requirement.

Increased productivity and quality through reuse

As development teams struggle to increase their productivity and decrease the cost of development, one key element that can help is reuse. Reuse is all about leveraging subsystems across multiple products, which lowers the development time and improves the quality for subsequent development projects. The big challenge occurs when one of the shared subsystems has to be changed. How does the development team properly track that change across all the products that might share that subsystem?

DOORS Next uses the capabilities of the IBM Global Configuration Management (GCM) application to automate the reuse and tracking of subsystems through different versions or variants of products. By enabling better reuse of previous work, development teams can save countless hours by not having to redevelop the same subsystem. The reuse of previous work also helps avoid the introduction of new errors into an already tested and verified subsystem.

Integrated across the development environment

As products become increasingly complex, many companies have been forced to adopt more specialized development tools or outsource major aspects of the development work. This can cause silos of development both internally and externally to the main development team, which can lead to poor collaboration and sub-optimal use or management of engineering data.

DOORS Next is designed to openly share data through the supported industry-standard Open Services for Lifecycle Collaboration (OSLC) interface or through direct API integration offered by the IBM Partner ecosystem. DOORS Next provides a hub for centrally managing requirements while supporting the sharing of engineering information openly to help your development team optimize their environment across third party tools.

Conclusion:

A product is only as good as its capabilities, and those capabilities are defined in requirements and delivered through the proper requirements management process during development. For this reason, a comprehensive requirements management tool like IBM Engineering Requirements Management DOORS Next is a paramount component of a successful development environment.

DOORS Next provides a repository for centrally managing your requirement artifacts. The solution promotes reuse to help improve productivity and cost. DOORS Next improves collaboration across the entire development organization through enhanced change management, traceability and transparent engineering data.

For more information:

To learn more about IBM Engineering Requirements Management DOORS Next, please contact your IBM representative or IBM Business Partner, or visit ibm.com/products/requirements-management-doors-next.

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IBM Corporation
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Produced in the
United States of America
October 2022

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