DIGITAL INDUSTRIES SOFTWARE

Polarion Requirements

Complete requirements management (RM) solution

Benefits

- Provides 24/7 project access for distributed teams

- Delivers key information and metrics to stakeholders in real time

- Improves information exchange and risk control

- Reduces cost of ownership

Summary

Siemens Digital Industries Software's Polarion® Requirements™ software enables software development teams to effectively gather, author, approve and manage requirements for complex systems across the entire project lifecycle. An integrated subset of Siemens Digital Industries Software's Polarion ALM, a comprehensive solution for application lifecycle management (ALM), Polarion Requirements supports a unified approach to requirements management that connects all software development processes and engineering artifacts, as well as the teams that originate, manage and review them.
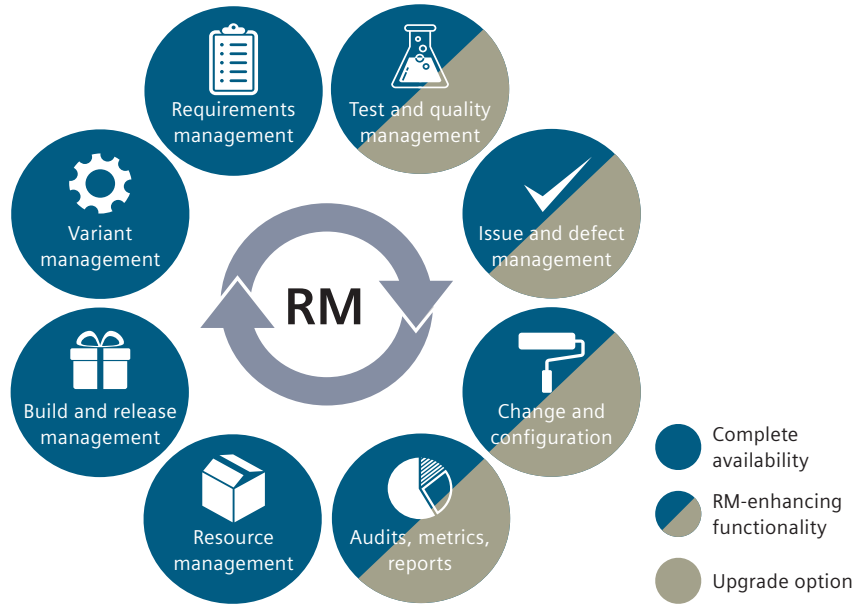
Accelerate collaboration

Polarion Requirements is designed from the ground up to provide a contextual tool for highly effective, transparent collaboration that enables teams to work in their familiar environments. When the need for a complete ALM environment becomes necessary, Polarion Requirements customers can easily and seamlessly upgrade to Polarion ALM.

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Features

- Browser-based solution
- Requirements authoring and management
- Customizable project templates and workflows
- Email alerts
- Offline collaboration
- Approval center

Produce quality results quickly

Fully customizable workflows in Polarion Requirements map easily to your existing processes, on a per project, group, or organization-wide basis. Robust project templates speed adoption and minimize training. Live branches and document re-use enable you to manage commonalities in your product variants without cumbersome copy-and-paste methodologies.

Ensure compliance

Polarion Requirements helps you pass any audit, compliance, or regulatory inspection with traceability that is easily implemented via automatic change control of every requirement from inception and re-use, through to derivatives and archival. Multiple levels of security can be established by role, user, project, group or lightweight directory access protocol (LDAP).

Supports any methodology and workflow

Polarion Requirements supports the full range of software development environments and methodologies, including Agile, lean, traditional, hybrid, Scrum, Kanban, feature-driven development (FDD), rational unified process (RUP) and others.

The customizable project templates with workflows in Polarion Requirements enable you to easily manage projects according to industry standards, including those of the Food and Drug Administration (FDA), Federal Aviation Administration (FAA), Capability Maturity Model Integration (CMMI), International Standards Organization (ISO), International Electrotechnical Commission (IEC), CPI International, Software Process Improvement and Capability Determination (SPICE), and many more.

Customizable workflows cover all project artifacts from requirements to development tasks, all the way to DevOps processes.
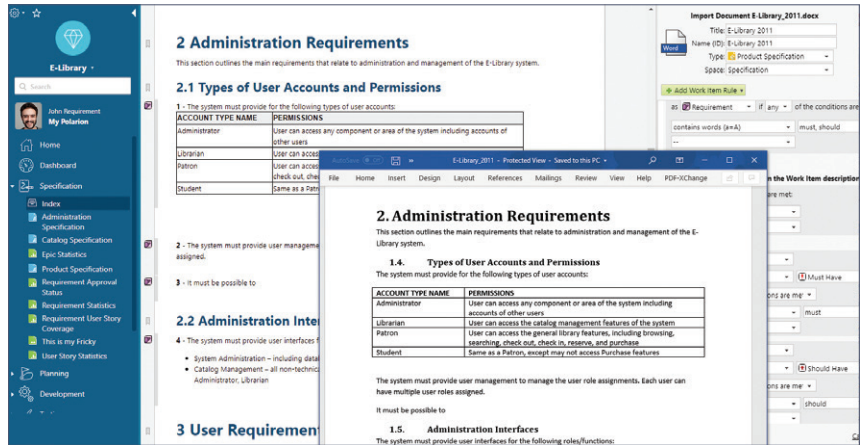
Reduce total cost of ownership

With Polarion Requirements, customers can reduce time-to-value and cut total costs of ownership (TOC) associated with system administration, implementation, training, integrations, annual maintenance, as well as hardware and infrastructure management.

Online authoring with LiveDoc web documents

An exclusive innovation, Polarion LiveDoc™ web documents are quickly becoming the preferred method used by companies of all sizes to gather, author, approve, validate and manage requirements.

You can easily import existing assets using the rule-based import wizard. It recognizes artifacts like requirements, test cases, defects and other items contained in Microsoft Word or Excel® files, and quickly imports them into the modern Polarion browser-based platform.

- Pre-import preview prevents time-consuming errors.
- Document "round-trip" capability enables you to seamlessly import changes made outside of Polarion while preserving your original formatting.
- Built-in support of the Requirements Interchange Format (ReqIF) enables lossless requirements exchange with customers and suppliers.
- Diagram editor enables text and diagrams to describe requirements.
- Export to portable document format (PDF), Word, Excel, extensible markup language (XML), or hyper text markup language (HTML).
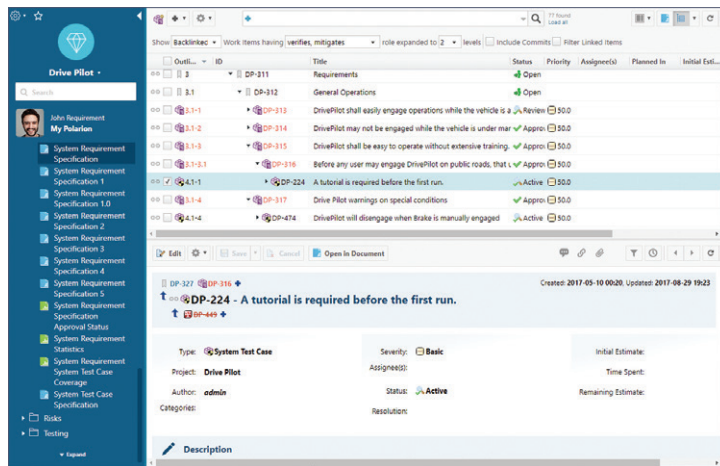

Import Word documents.

Traceability, versioning, and audit trails

Take advantage of change management and impact analysis as vital parts of the requirements management process.

- Implement wide and deep traceability easily with customizable link types and roles, applicable to any or all artifact types.
- Determine the potential change impact on other requirements, release timelines, resource allocations, etc.
- Visually compare older document versions with newer ones and clearly highlight the changes.
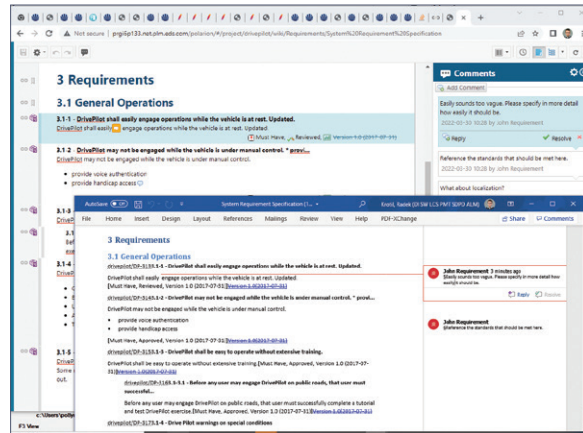

Easy linking for traceability and impact analysis.

- Create one-to-many or many-to-one links across documents or projects.
- Browse, search and report any historical state of your project as easily as the current state.
- Achieve and prove compliance with a wide spectrum of industry standards to pass audits with greater ease.

Browser-based performance and scalability

With Polarion Requirements, everything is unified on a secure platform using the latest web technologies. You can use a single server or clustered servers (physical and/or virtual) over a regular network or VPN. Start small and scale up easily and affordably. Grow into an enterprise ALM solution that seamlessly ties in with your requirements data – just add licenses to your installation; there is nothing additional to install or integrate.

Comments and discussion online and offline.