

Dalla raccolta delle richieste utente alla strutturazione dei requisiti

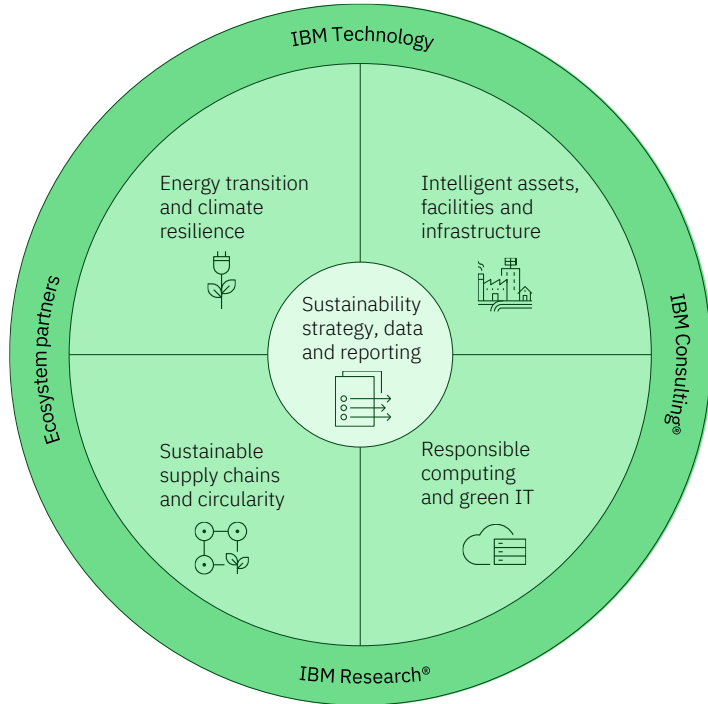
30 Aprile 2024

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IBM sustainability: Turning ambition into action

IBM helps companies achieve their sustainability goals by infusing data with AI into daily operations enabled by expertise to deliver profit and purpose.



Sustainability strategy, data and reporting

Co-create roadmaps that capture business value and leverage the power of generative AI to accelerate clients' realization of their sustainability agendas. Curate, report and operationalize data to unlock competitive insights, improve performance and meet regulatory requirements.

IBM Envizi™ ESG Suite
IBM OpenPages® platform | IBM Planning Analytics

Energy transition and climate resilience

Support electrification with grid efficiency and modernization of energy infrastructure to expedite transition to renewables and build resilience to climate impacts.

IBM Environmental Intelligence Suite
IBM Maximo®

Intelligent assets, facilities and infrastructure

Build more efficient physical operations to increase productivity, advance decarbonization and reduce cost, waste and emissions.

IBM Maximo
IBM TRIRIGA®

Responsible computing and green IT

Optimize infrastructure and computing with AI at the core to enable more efficient, less energy-intensive IT and drive social impact.

Apptio
IBM Cloud®
IBM LinuxONE
IBM Power servers
IBM Storage
IBM Turbonomic®
IBM z16™ mainframes

Sustainable supply chains and circularity

Design and manage intelligent workflows for transparent and trusted supply chains to enable just transition, circularity and Scope 3 emissions management.

IBM
Engineering Lifecycle Management

IBM Technology

Scale and accelerate impact with hybrid cloud and the IBM watsonx™ platform.

IBM Consulting®

Accelerate business transformation with comprehensive expertise in strategy, experience design, technology and operations.

IBM Research®

Explore AI and climate research and accelerated sustainable materials discovery.

Ecosystem partners

Collaborate with a diverse network of strategy, technology and services partners.

Our customers create amazing things

3



Our customers
create amazing
things

4

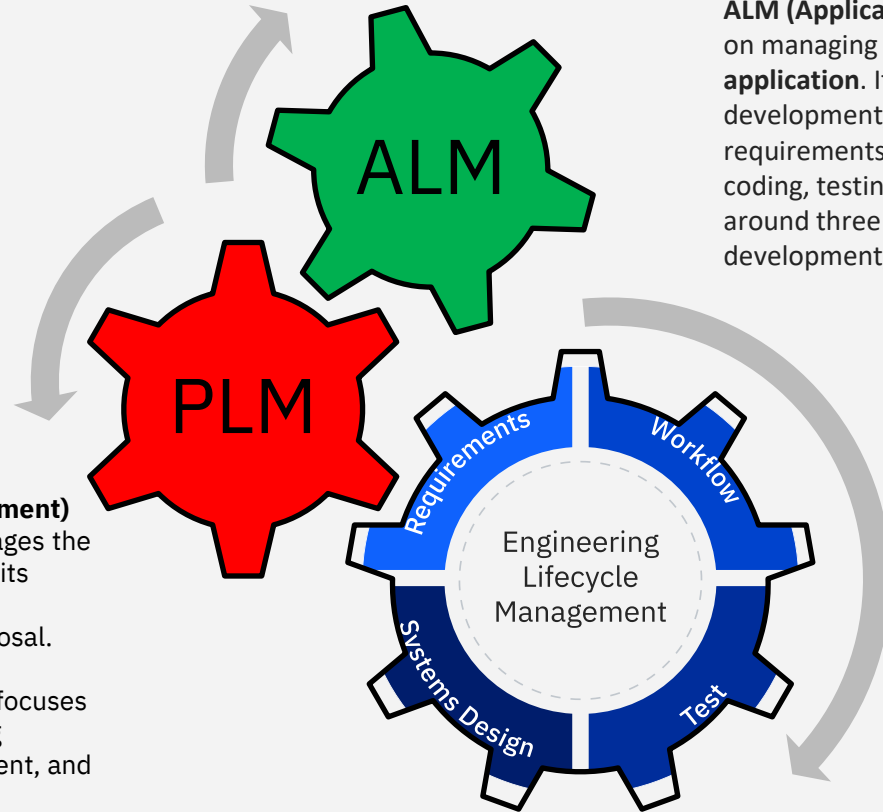


We help make
it possible



PLM, ALM and ELM – The battle of three letter acronyms

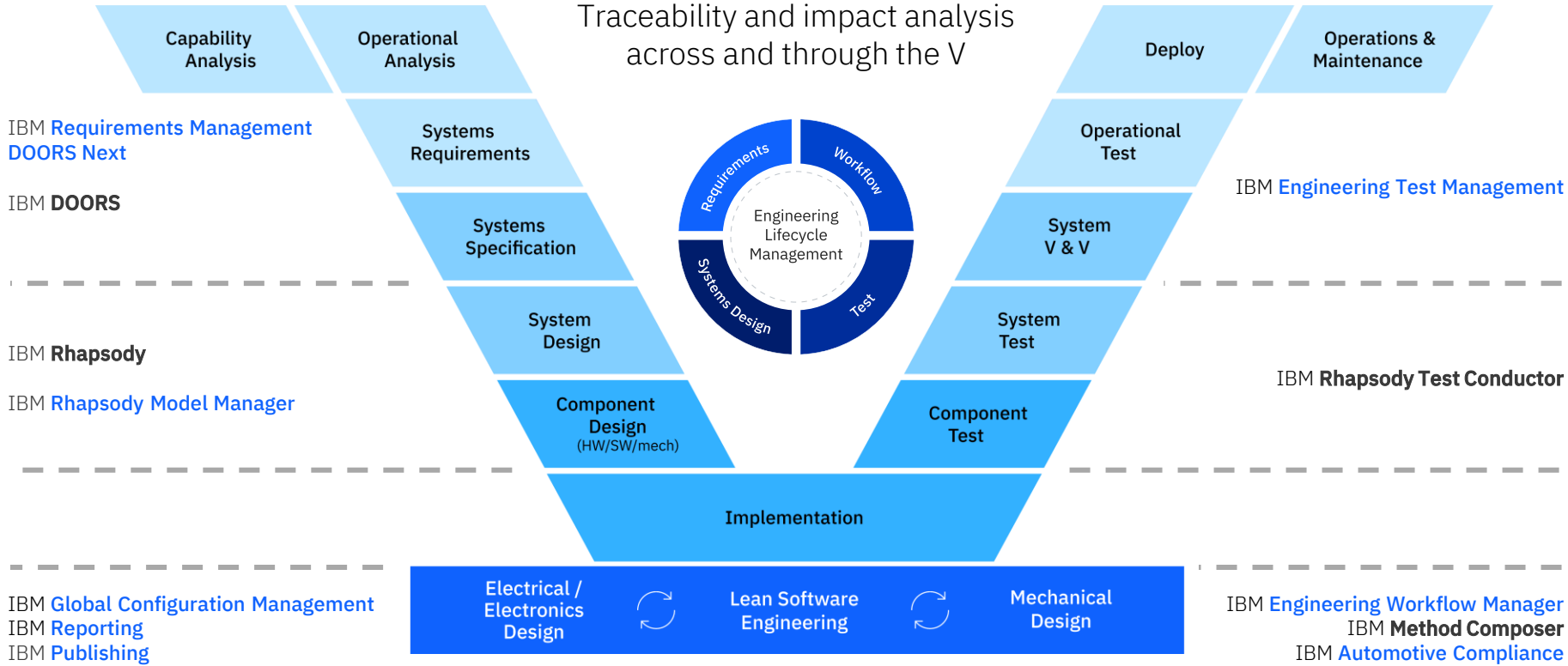
PLM (Product Lifecycle Management) is a strategic approach that manages the **lifecycle of a product** right from its inception, through design and manufacture, to service and disposal. Primarily used in industries like aerospace and automotive, PLM focuses on product engineering, involving processes like design, development, and production.



ALM (Application Lifecycle Management) focuses on managing the lifecycle of a **software application**. It is a key methodology in software development, encapsulating stages like requirements management, software design, coding, testing, and deployment. ALM revolves around three core concepts: governance, development, and management.

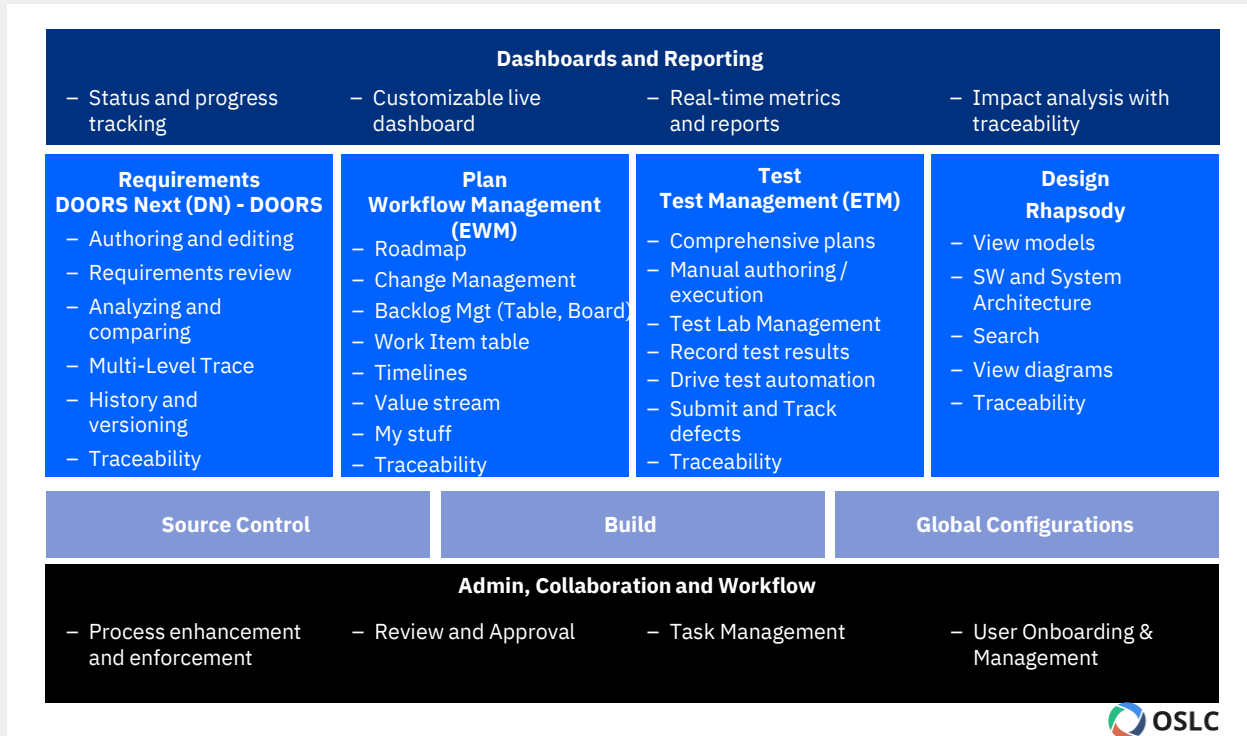
IBM ELM (Engineering Lifecycle Management) is a comprehensive suite of tools designed to **manage both hardware and software development processes across complex products**. It brings under one umbrella the capabilities of traditional ALM and extends them to engineering processes as well. IBM ELM is designed to improve collaboration and productivity, **offering a seamless integration of software and product development**.

Engineering Lifecycle Management Platform



* no news in ELM v 7.0.3

IBM Engineering Lifecycle Management is offered as a robust application suite



Highlights

- Offered via single part number
- Flexible to support customer deployment requirements:
 - On Premise
 - SaaS
 - Third-party clouds

Some of our largest customers run ELM on AWS and Azure

IBM DevOps

- Dashboards
- Reporting
- Collaboration
- Traceability
- Review and approvals

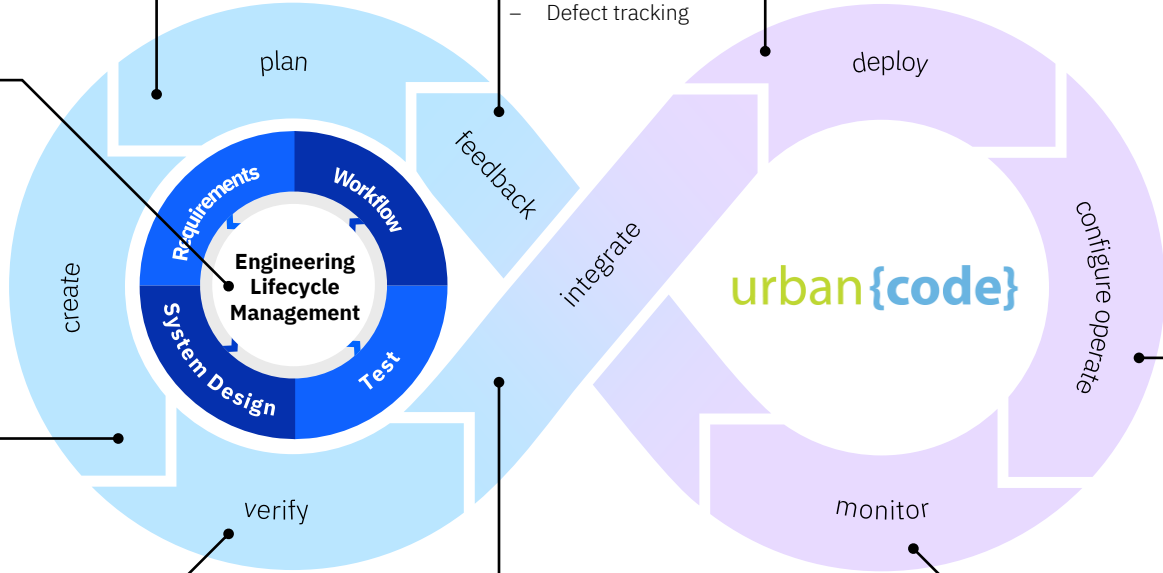
- Functional requirements
- Operational requirements
- Design
- Code
- Build
- Version Control
- Unit test
- Security analysis

- Test Management: plans, cases, scripts
- Functional testing
- Integration testing
- Performance testing
- Test data management
- Test environment mgt
- Vulnerability assessments

- User stories & tasks
- Feature / function priorities
- Agile planning
- Backlogs, Sprints, Releases
- Production metrics (SLAs etc)

- Change Management
- Defect tracking

- Release coordination
- Change controls
- Fallback and recovery



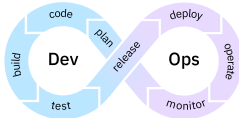
Where do you face the biggest challenges?

- Infrastructure provisioning
- Application provisioning
- Runtime Security
- Container Security

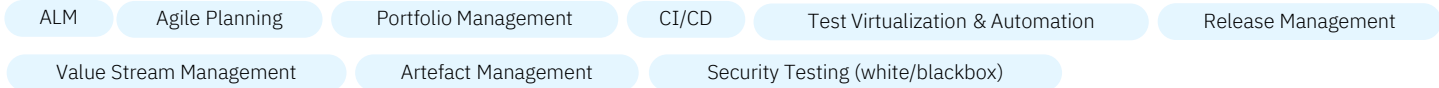
- Continuous integration
- Scenario testing
- Release approval
- Package configuration
- Penetration Test

- Performance monitoring
- Access metrics
- Infrastructure and network performance and availability
- Observability

IBMs DevOps Journey as Development Tools Vendor



IBM started to offer full DevOps tools back in 2008.



RedHat acquisition (2019) further extended capabilities on operations side

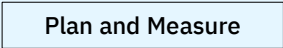
Tools have been going through name changes and diversifications – however core DevOps toolchain stays widely the same



Idea

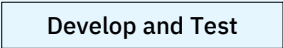


Business Owner



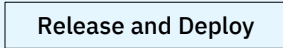
IBM Engineering Workflow Management (EWM)
IBM Requirements Management DOORS Next

Service Developer/Tester



IBM Engineering Workflow Management (EWM)
IBM Engineering Test Management (ETM)
IBM DevOps Test Hub

Service Operations



IBM DevOps Deploy
IBM DevOps Velocity

Target Customer



Market

DEMO

The image shows four light-colored wooden blocks arranged horizontally on a wooden surface. Each block has a bold, black, sans-serif letter printed on its top face. From left to right, the letters are 'D', 'E', 'M', and 'O'. The wooden surface has a prominent vertical grain. In the background and foreground, several other wooden blocks are scattered, some partially visible and out of focus.