

ConnectALL for Mainframe

Modernizing Mainframe Development through
Integration into your Value Stream



Overview

Mainframe development processes, long considered the backbone of enterprise systems, can evolve to expand their functionality by embracing modern principles of flexibility, speed, and seamless interaction with other parts of the technology stack. To accelerate mainframe development, there must be an integrated development environment. This transformation is more than just an update or shift in tools; it's a progressive change that enables organizations to unlock the full potential of today's agile, cloud-native, and DevOps-driven environments.

ConnectALL bridges the gap between legacy systems and contemporary platforms, tools and frameworks, ensuring seamless information flow and complete traceability for every change. With visibility and automated workflows, teams can monitor development progress in real-time, track dependencies across interconnected systems, and address issues before they emerge. Automated workflows streamline processes, enforce governance, and minimize errors or unapproved changes. By aligning mainframe development with agile methodologies and modern tooling, organizations gain improved traceability, improved collaboration risk, and a structured approach to managing interdependencies across the entire IT ecosystem.

Key Integration Scenarios using Broadcom Endeavor

Broadcom Endeavor Integration Overview

Broadcom Endeavor is the leading mainframe software change management solution that is a critical solution for enterprises managing large-scale mainframe environments. With its focus on maintaining control over code changes, managing releases, and ensuring compliance, Endeavor is pivotal for enterprises running legacy systems. By integrating Endeavor with enterprise applications, organizations can unlock the potential for faster, more flexible development cycles while maintaining control over their mainframe environments.

Change Management Integration Benefits

1

- Seamless synchronization of changes between mainframe elements and ITSM/ALM systems
- Structured approval workflows with comprehensive audit trails
- Prevention of unauthorized changes through enforced governance policies
- Real-time visibility into mainframe modifications for better decision-making and tracking

DevOps Integration Benefits

2

- Seamless integration of Agile sprint planning and tracking with mainframe systems
- Automated status updates across all stages of development, ensuring teams are aligned
- Improved collaboration between mainframe and distributed teams, fostering better communication
- Accelerated deployment cycles with minimal manual intervention and improved release velocity

Risk Management and Compliance Integration Benefits

3

- Detailed impact analysis of proposed changes, assessing downstream effects
- Automatic tracking and management of dependencies across systems and platforms
- Automated security and compliance checks to ensure adherence to standards and regulations
- Quick rollback capabilities for immediate response to incidents or errors
- Complete audit trails for regulatory compliance, facilitating transparent reporting and inspections

Mainframe to ALM/DevOps Integration Patterns

Integrating Broadcom Endeavor with Application Lifecycle Management (ALM) and DevOps tools enables mainframe development to align with modern agile workflows and development practices. By bridging the gap between mainframe systems and contemporary development methodologies, organizations can automate processes, enhance coordination, and improve visibility—ensuring greater efficiency and risk management while accelerating digital transformation efforts.

Important Integration Scenarios

Pattern	Description	Benefits
Change Request & Code Deployment Tracking	Links every code change in Endeavor to an ALM issue for seamless tracking.	Eliminates manual tracking, enhances transparency, and simplifies compliance audits.
Automated Status Updates	ALM issues automatically update based on Endeavor lifecycle events.	Reduces manual tasks, ensures accurate project tracking, and prevents miscommunication.
Audit & Compliance Tracking	Maintains a comprehensive audit trail of changes for regulatory and internal compliance.	Streamlines audit preparation, mitigates compliance risks, and eliminates manual documentation.
Release Management & Coordination	Links Endeavor code changes with ALM releases for improved coordination.	Reduces deployment risks, prevents missed changes, and boosts release planning efficiency.
DevOps & Agile Transformation	Integrates Endeavor workflows with Agile sprint planning, bridging mainframe and modern teams.	Aligns mainframe teams with Agile development, enhances visibility, and accelerates modernization.
Risk Management & Impact Analysis	Tracks components affected by ALM issues, accounting for complex dependencies.	Reduces deployment failures, improves risk management, identifies dependencies, and increases release confidence.

Mainframe to ITSM/ITIL Integration Patterns

Integrating Broadcom Endeavor with IT Service Management (ITSM) and IT Infrastructure Library (ITIL) frameworks like ServiceNow enables mainframe development to align seamlessly with modern IT operations. By connecting mainframe systems with ITSM processes, organizations can drive automation, improve visibility, and ensure compliance without sacrificing the stability of mission-critical mainframe systems.

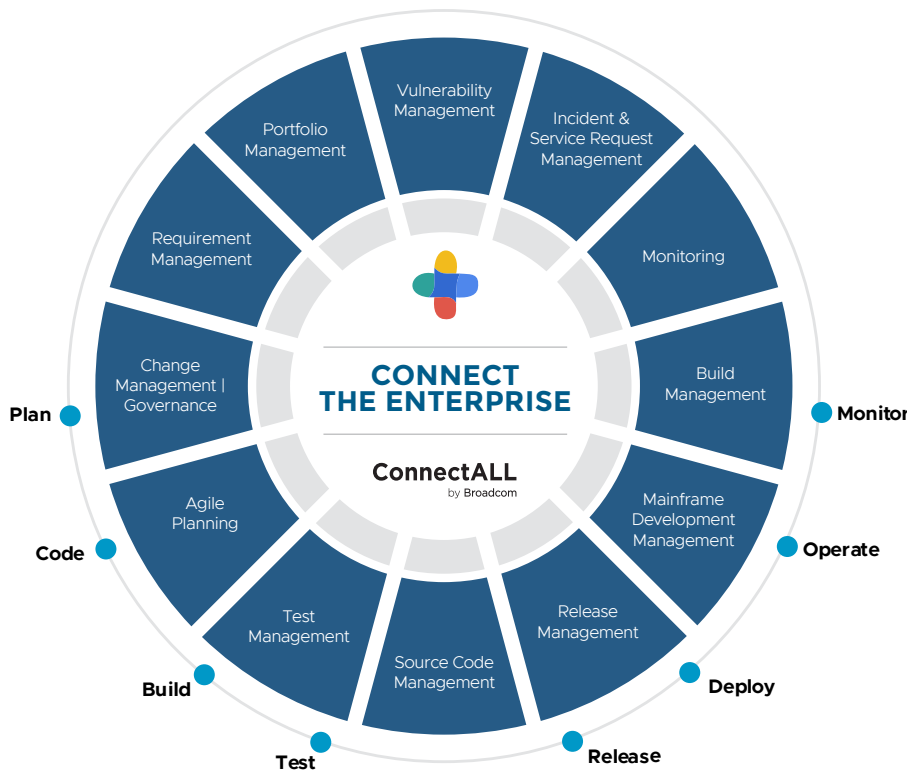
Important Integration Scenarios

Pattern	Description	Benefits
Automated Change Management	Changes, like code promotion or modification in Endeavor are automatically logged as change requests in ServiceNow.	Ensures governance and compliance, reduces unauthorized changes, mitigates stability impact.
Incident & Problem Management	ServiceNow incidents are linked to recent Endeavor changes for quick issue identification.	Accelerates issue resolution, reduces downtime, improves service reliability.
Release & Deployment Coordination	Endeavor changes are synchronized with ServiceNow's Release Management.	Improves coordination, reduces deployment risks, prevents IT release cycle conflicts.
Audit & Compliance Tracking	Every Endeavor change is automatically logged in ServiceNow.	Simplifies audits, ensures regulatory compliance, maintains change history transparency.
Improved Visibility	Provides real-time visibility into Endeavor without requiring direct access.	Breaks down silos, improves collaboration, ensures stakeholder awareness.
Enhanced Security & Risk Management	Enforces role-based approvals, risk assessments, security policies, and dependency analysis.	Reduces security risks, prevents unauthorized changes, ensures only verified updates reach production.

Mainframe to Collaboration Tools Integration Patterns

Integrating Broadcom Endeavor with collaboration tools like Slack, Microsoft Teams and Google Chat, can provide an important bridge between mainframe development and team workflows. By bringing mainframe changes into the collaborative environment, teams gain enhanced visibility, seamless communication, and efficient issue resolution across distributed systems. ConnectALL ensures that all stakeholders are informed and aligned, leading to faster decision-making and more coordinated, error-free deployments.

Pattern	Description	Benefits
Real-Time Notifications	Sends automated notifications for code changes to Slack or Google Chat.	Keeps teams informed instantly, reduces delays, improves coordination.
Deployment Status Updates	Updates collaboration tools when mainframe application deployment or build process completes.	Increases deployment progress visibility, reduces manual status checks.
Incident & Change Management Alerts	Sends alerts for failed builds, security vulnerabilities, or compliance concerns.	Accelerates response times, enables proactive issue resolution.



Implementation Benefits

Immediate Gains

- **Reduced Manual Effort:** Automation of change tracking minimizes human intervention, enhancing efficiency.
- **Enhanced Cross-Team Visibility:** Provides real-time insights across systems, enabling teams to stay aligned.
- **Strengthened Security & Compliance:** Ensures adherence to security policies and compliance standards through automated workflows.
- **Automatic Dependency Mapping:** Instantly identifies and tracks dependencies across mainframe and distributed systems, ensuring seamless integration.
- **Faster Incident Resolution:** Enables quicker detection and resolution of issues, minimizing downtime.

Become Predictable | Optimize Flow | Eliminate Waste | Improve Visibility | Increase Speed |
Make Better Decisions | Meet Your Goals | Create Strategic Alignment

Request a Demo

ValueOps™ ConnectALL stands as a transformative Value Stream Automation Solution, enriching your software development and delivery processes. By seamlessly integrating with your existing tools and platforms, it amplifies visibility, alignment, and efficiency across your value stream. With its comprehensive automation capabilities, ValueOps™ ConnectALL streamlines workflows, synchronizes data, and fosters seamless collaboration, ensuring optimal performance throughout the software delivery lifecycle.

ConnectALL
by Broadcom