

# Workload Life Cycle Management

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# Workload Automation – Life Cycle Management

## Use Case & Solution Concept



Application Developer, Administrator,  
Production Control Operator

Biz Agility

- ✓ Improve efficiency & Reduce Cost
- ✓ Foster collaboration between different teams
- ✓ Implement DevOps Practices for accelerated Delivery

Bottom Line: Simplified Operations and Reduced Risk

Use Case: As a Line of Business team, we need the ability to enforce, monitor and validate mission critical workloads, so that we can deploy changes quickly with high quality and compliance.

## Life Cycle Manager

- Continuous Automation
  - Simplified Collaboration:
    - Transparency of changes
    - User Defined Submit process
    - Notifications
  - Reduced Risk:
    - Automated rollback
    - Validation Rule Engine
    - Side-by-side view of changes
    - Migration Tool & Testing
    - Versioning of workloads

# High Level Features

#	Feature	Use Cases
	Search Workload Objects	<ul style="list-style-type: none"><li>• Search for workload objects such as jobs by common attributes across environments</li></ul>
	Migrate Workload objects: <ul style="list-style-type: none"><li>• Dependency Management</li><li>• Visualization</li></ul>	<ul style="list-style-type: none"><li>• Select &amp; De-select jobs and objects to be excluded from promotion</li><li>• Selectively promote all workload objects between AutoSys instances</li><li>• View final changes prior to committing to target system</li><li>• Select a job/workload object and have all related jobs and objects discovered that could be included</li><li>• Text file Definitions (import and export)</li><li>• Diff tool (visually see the differences from source and destination)<ul style="list-style-type: none"><li>• Side by side view of changes</li></ul></li><li>• Migration tool to test/simulate the migration</li></ul>
	Roll-Back Changes	<ul style="list-style-type: none"><li>• Diff tool (visually see the differences from source and destination)</li><li>• Automated Rollback in case of failures</li></ul>

# High Level Features

#	Feature	Use Cases
	User-defined Submit/security Process	<ul style="list-style-type: none"><li>• Define approval process including the appropriate approvers</li><li>• Provide complete audit information of package promotion and approval/rejection process</li></ul>
	Sandbox - Collaborative Workspace	<ul style="list-style-type: none"><li>• Enable the team flexibility to modify objects in a shared environment</li></ul>
	Schedule	<ul style="list-style-type: none"><li>• Support multiple scheduling instances (e.g. PRD, DEV, UAT, etc.)</li><li>• Schedule the migration before hand.</li><li>• Change Queue Balancer</li></ul>
	Job Optimization	<ul style="list-style-type: none"><li>• Define rules that help improve quality such as job must have last ran successfully within past week</li><li>• No disruption to existing SLA's</li></ul>

# High Level Features

#	Feature	Use Cases
	Versioning of Objects	<ul style="list-style-type: none"><li>• Bundle all changes and stored in internal repository (Workflow)</li><li>• Store changes in external repository (e.g. <b>GitHub</b>)</li><li>• Job, Workflow &amp; Package Documentation - Running Notes Field</li></ul>
	Rule Engine	<ul style="list-style-type: none"><li>• Automatically alter attributes (e.g. job name, machine, owner, etc.) to enforce standards in target environment</li></ul>
	Integrations	<ul style="list-style-type: none"><li>• Integrations API's to integrate with external tools already in place<ul style="list-style-type: none"><li>• E.g. CA Service Desk, SNMP Managers, Github etc.</li></ul></li></ul>
	Notifications	<ul style="list-style-type: none"><li>• Customized notifications for all actions in life cycle manager</li></ul>
	Security	<ul style="list-style-type: none"><li>• Transparent Security authentication and authorization</li><li>• Full control of approval process and next actions</li><li>• Ample audit information of package promotion and approval/rejection process</li></ul>