

# Tidal Repository

Manage all workload automation schedules across instances from a central location

## KEY BENEFITS

**Maintains** a central record of all workload automation schedule elements

**Enables** versioning of schedule changes to simplify management of updates

**Integrates** with DevOps processes and accelerates implementation of new application and schedule updates

Repository is built on the same principles as source code control systems so that you can apply application updates and schedule changes simultaneously.

## Product Overview

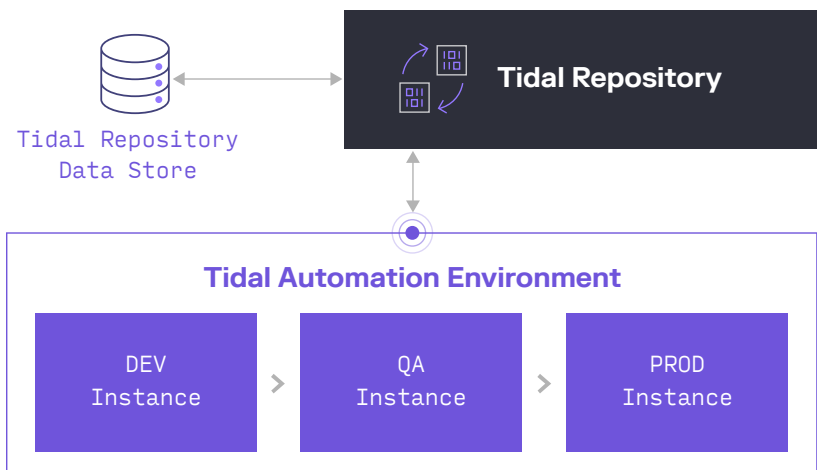
Tidal Repository provides centralized change management for workload automation schedule elements and calendars. Designed for use by administrators and developers, the Repository application offers advanced capabilities for storing, organizing, sharing and using job data across multiple Tidal instances. It supports best practices for change management and maintains a complete history and auditable record of revisions.

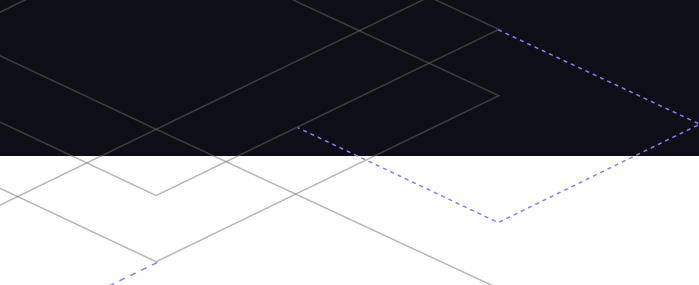
## Business Challenges

Modern workload automation environments incorporate multiple instances of Tidal Automation with a multitude of job definition configurations. It is resource-intensive to manage and synchronize schedule and calendar updates, or to replicate jobs across instances while ensuring integrity and security of workloads. Additionally, with ongoing application development and updates, DevOps processes can also be slowed while coordinating associated schedule updates to be tested and implemented.

## Centralize change management

Repository moves and shares data across your Tidal Automation instances so you can easily promote changes to schedules and objects from Dev to QA to Prod.





Tidal Repository offers advanced capabilities for administrators and developers.

## For Administrators

### Centralized Change Management

Create and update scheduling elements and then replicate those changes across Tidal instances – from Dev to QA to Prod – in support of the development lifecycle. You can even easily revert to a prior version of a schedule in the event of misconfiguration.

### Single Source of Truth

The comprehensive history maintained in Repository serves as the central record of who made what changes and when. This logging is a valuable resource for satisfying audit and compliance requirements.

### Role-Based Access Control

Protect the integrity of your schedules with the same fine-grained user access controls found in the Tidal Automation platform. Limit user access to the relevant Tidal instances when they are working with Repository. You can also control who has the ability to promote schedule changes and ensure validation policies are satisfied before promoting to Production.

### Delegation to DevOps

When developers have the ability to edit and test their own schedule changes, wait times and bottlenecks for new application updates can be reduced. Administrators can create dedicated workspaces where users or workgroups can access and manipulate their own schedules based on their access privileges.

## For Developers

### Integration with Application Development

When Tidal instances mirror the DevOps lifecycle, developers can synchronize their application updates and schedule changes in Repository for more efficient continuous delivery.

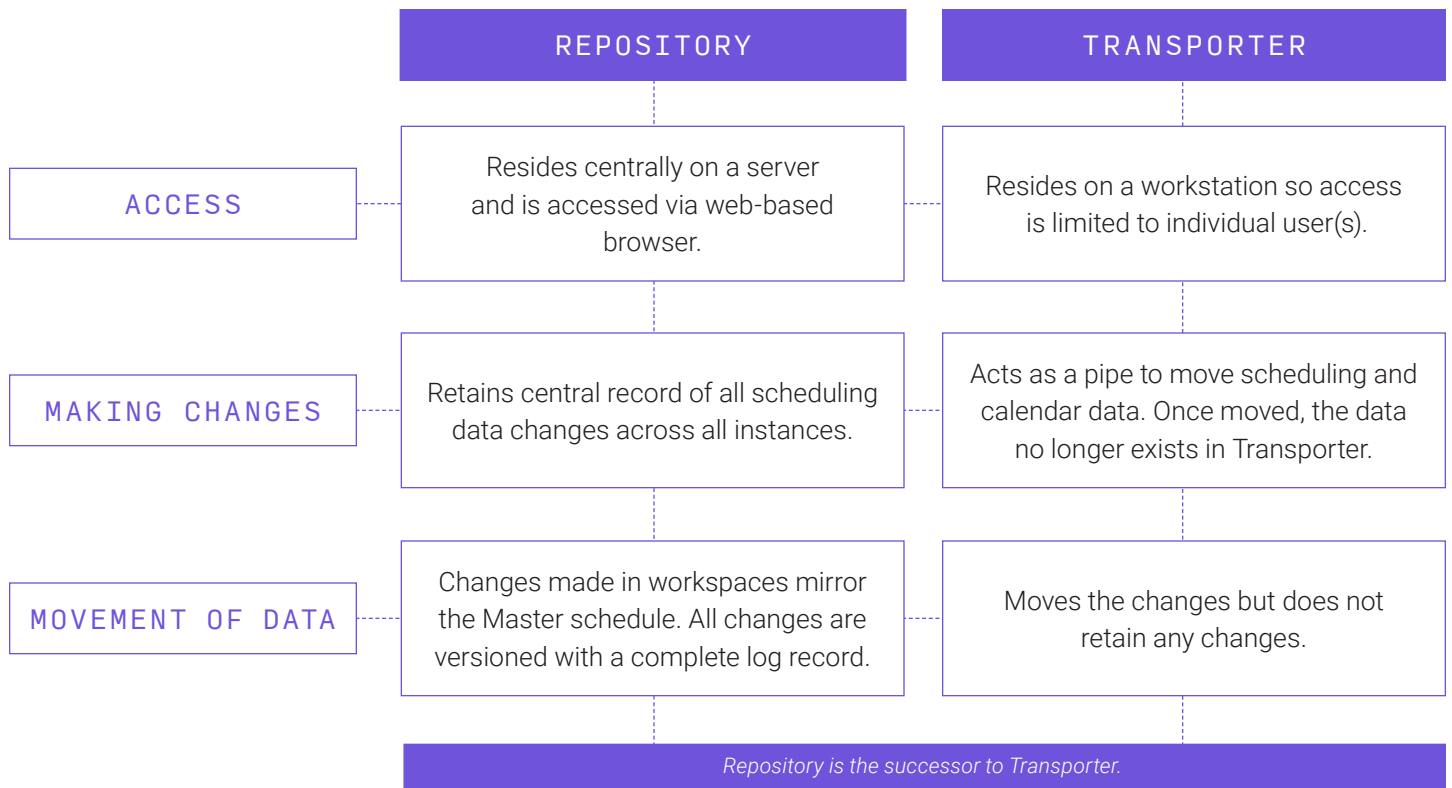
Repository also offers a command line and a REST API mechanism, making it easy to integrate into existing development processes.

### Self-Service

Developers can run what-if scenarios in their dedicated Repository workspace with data that mirrors the Tidal Production environment, reducing risk to the integrity of Production schedules.

# Repository vs. Transporter

Customers currently using Transporter may wonder what's different with Repository.



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Tidal Software is a leading provider of enterprise workload automation solutions for orchestrating the execution of complex workflows across systems, applications and IT environments. With a comprehensive portfolio of products and services, Tidal optimizes mission-critical business processes and drives IT cost efficiencies.