

How Tidal Compares to AutoSys



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Get More With Tidal Than With AutoSys

On the surface, AutoSys and Tidal can look like very similar workload automation solutions. Sure, they have some core things in common – you'll find that **both solutions support:**

- Complex calendaring
- Command jobs/boxes
- Cyclic job behavior
- Event monitoring
- Reporting & analytics
- Complex job dependency logic
- File watchers
- Irregular start time conditions
- Web Services

But once you dig a little deeper, you'll find there are some distinct differences that make Tidal a more robust, comprehensive solution for enterprise workload automation. Here are some of the **advanced capabilities in Tidal that you won't get with AutoSys:**

- Resilient fault-tolerant configuration
- Lower total cost of ownership
- Unified automation platform
- Agentless adapters
- Greater number of integrations
- Comprehensive cloud capabilities
- Unique scheduling constructs
- Built-in SLA management
- Multiple graphical views
- Password vault integration
- Change/lifecycle management
- DevOps automation
- Mobile application
- APM Data Stream

And here's what you can count on from Tidal that you don't get from Broadcom:

- > 100% focus on workload automation
- > Customer-centric approach
- > High-velocity product development
- > Exceptional technical support
- > Flexible, transparent pricing

“ We went from AutoSys to Tidal. We switched because of CA's expensive licensing – and they were also behind the curve. ”

Automation Manager at Financial Services Firm

How Tidal Compares

Take a closer look at the real differences between Tidal and AutoSys

Resilient Fault-Tolerant Configuration

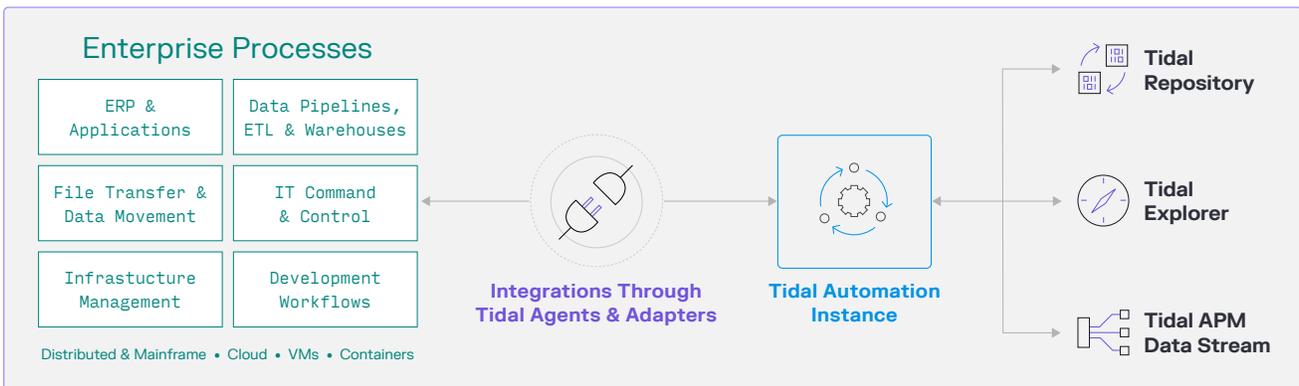
The Tidal architecture offers multiple mechanisms for establishing high availability and DR configurations to fit each enterprise's unique requirements. These include a fault-tolerant execution engine to make sure that your critical jobs keep running in the event of a hardware or network failure, support for database clustering and flexibility to fit within your data center or cloud infrastructure resilience options.

Lower Total Cost of Ownership (TCO)

Best practices suggest the deployment of Tidal Automation instances to align with the stages of your development lifecycle. Our pricing model cost-effectively supports multiple instances without excessive charges for non-Production instances. Additionally, our platform has many built-in capabilities that are often charged as add-on products by competitors. Both of these practices result in lower total cost of ownership when compared to AutoSys pricing.

Unified Automation Platform

We built out our platform to integrate into the enterprise lifecycle and provide additional tools for managing automation in complex environments.



Our portfolio of integrations connects enterprise processes – regardless of where they are running – to Tidal Automation, the core of the platform. Additional tools include:

- Repository for schedule change and lifecycle management
- Explorer for schedule and calendar optimization
- APM Data Stream to make runtime data available for operational analytics

Agentless Adapters

For applications and middleware with embedded schedulers, our adapters enable Tidal to integrate the scheduling activities of those products into end-to-end business processes. The adapters run on the Tidal Master server and communicate with the target application using the target's API. Most Tidal adapters are agentless – no need to install a Tidal component on the target's server – which means fewer resources, easier upgrades and better performance.

Greater Number of Integrations

Tidal offers a comprehensive set of pre-built, ready-to-run integrations for prominent business systems and applications. Our integrations cover environments with tried-and-true legacy operating systems – plus, we are constantly adding adapters for newer applications that are gaining traction in enterprises.

Once implemented, our adapters take the scheduling data from your applications and pre-populate job definitions in the Tidal Automation platform. Then you can leverage all of Tidal's advanced scheduling functionality for those activities.

Compare our set of integrations to what AutoSys offers:

Apache Airflow Apache Spark SQL **AWS**
Azure Azure Blob Azure Data Factory Cisco UCS
Cognos Business Intelligence Docker **Email** FTP/FTPS/SFTP **Hadoop**
Hive **HP Operations Manager** Informatica Intelligent Cloud Services
Informatica PowerCenter JD Edwards **JD Edwards Orchestrator**
JDBC JMS/Apache ActiveMQ/Oracle WebLogic **Kubernetes** MapReduce
Microsoft SQL Server **Oracle DB** Oracle E-Business Suite Oracle Cloud ERP
Oracle HCM OS/400 iSeries **PeopleSoft** **S3** **Salesforce** **SAP**
BusinessObjects BI **SAP BusinessObjects DS** SAP Financial Closing Cockpit
SAP Integrated Business Planning SAP Process Integration SAP Process Orchestration
SAP Solution Manager SAP R/3 ERP (ABAP) **SAP R/3 BW (ABAP)**
SAP S/4HANA ERP (ABAP) SAP S/4HANA ERP (Java)
SAP S/4HANA BW (Java) ServiceNow **SSH** **VMware**
Web Services zLinux z/OS Gateway

Unmatched Coverage for SAP Environments

With more pre-built adapters for SAP solutions than competitive alternatives, Tidal is the workload automation solution of choice for companies that run their business with SAP. Tidal works with the SAP Integration and Certification Center to certify our adapters for integration with SAP solutions.

LEVERAGE TIDAL AUTOMATION ADAPTERS FOR:

- SAP R/3 ERP (ABAP)
- SAP R/3 Business Warehouse (ABAP)
- SAP S/4HANA ERP (ABAP)
- SAP S/4HANA ERP (Java)
- SAP S/4HANA Business Warehouse (ABAP)
- SAP BusinessObjects Business Intelligence
- SAP BusinessObjects Data Services
- SAP Financial Closing Cockpit
- SAP Integrated Business Planning
- SAP Process Integration
- SAP Process Orchestration
- SAP Solution Manager

SAP CERTIFICATIONS

The Tidal Automation Adapter for SAP R/3 & SAP S/4HANA has been certified for integration with:

- SAP NetWeaver 7.52 via the SAP integration scenario BC-XBP 7.20
- SAP S/4HANA 7.5 via the SAP integration scenario
- S/4HANA BC-XBP 1.0
- SAP Business Warehouse 7.50 via the SAP integration scenario BW-SCH 3.0

SAP® Certified
Integration with SAP NetWeaver®

SAP® Certified
Integration with SAP S/4HANA®

Comprehensive Cloud Capabilities

To support the ongoing adoption of cloud computing, Tidal provides plenty of flexibility for where you run our platform and what targets it can manage, regardless of where they are located.

| | On-Prem | In AWS | In Azure | In Oracle | In Google |
|---|---------|--------|----------|-----------|-----------|
| Run Tidal ... | ✓ | ✓ | ✓ | ✓ | ✓ |
| Use Tidal to manage processes, tasks and resources ... | ✓ | ✓ | ✓ | Future | Future |
| Use Tidal to manage storage ... | ✓ | ✓ | ✓ | Future | Future |
| Integrate Tidal with native services (e.g., Mail, SMS, AD/LDAP, etc.) ... | ✓ | ✓ | ✓ | Future | Future |
| Use Tidal to manage applications and middleware ... | ✓ | ✓ | ✓ | ✓ | ✓ |

Unique Scheduling Constructs

Our scheduling model separates job definition from job execution, enabling a single job definition to be reused multiple times, streamlining schedule development and maintenance.

Additionally, we offer the most robust calendar scheduling functionality available on the market. The Tidal Automation platform provides dozens of the most common calendars out-of-the-box, such as local, fiscal, business, Daylight Savings Time and more. Users can also define their own custom calendars for any cyclicity.

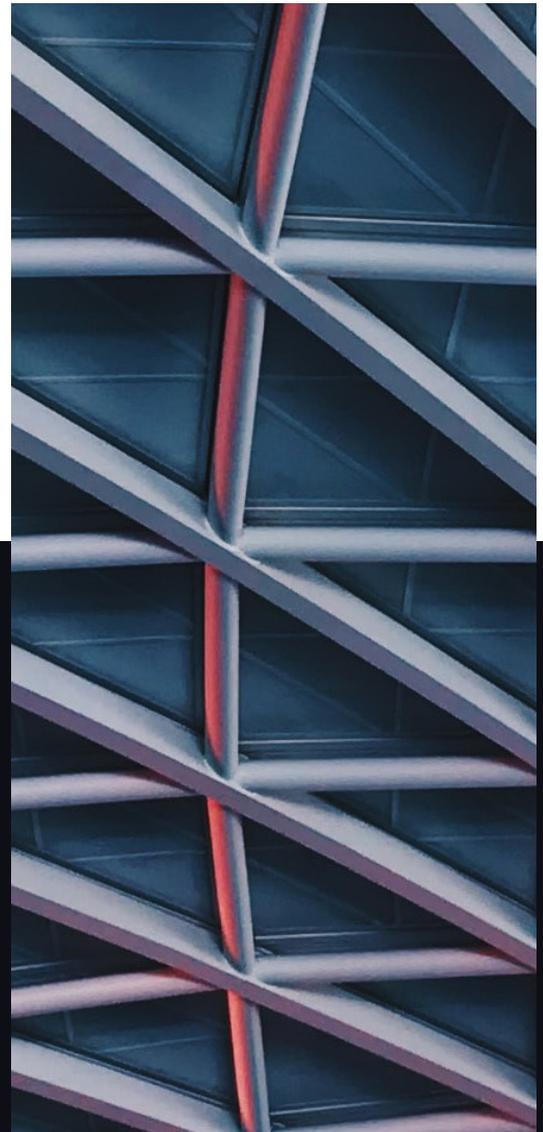
Our unique job factory feature serves as a template for creating a group of jobs and enabling you to choose whether to run all or a subset of jobs in that group. And with the use of conditionals, you can determine whether a job should run based on one or many conditions, such as events or variables.

Built-in SLA Management

With this built-in functionality, you can define SLA policies for critical jobs. Tidal then automates the monitoring of the jobs and alerting if the SLAs are at risk or have been missed. This service level management capability enables you to better track performance against SLAs and status of critical jobs without the need to purchase an add-on product.

“Tidal is a very user friendly, intuitive and robust solution.”

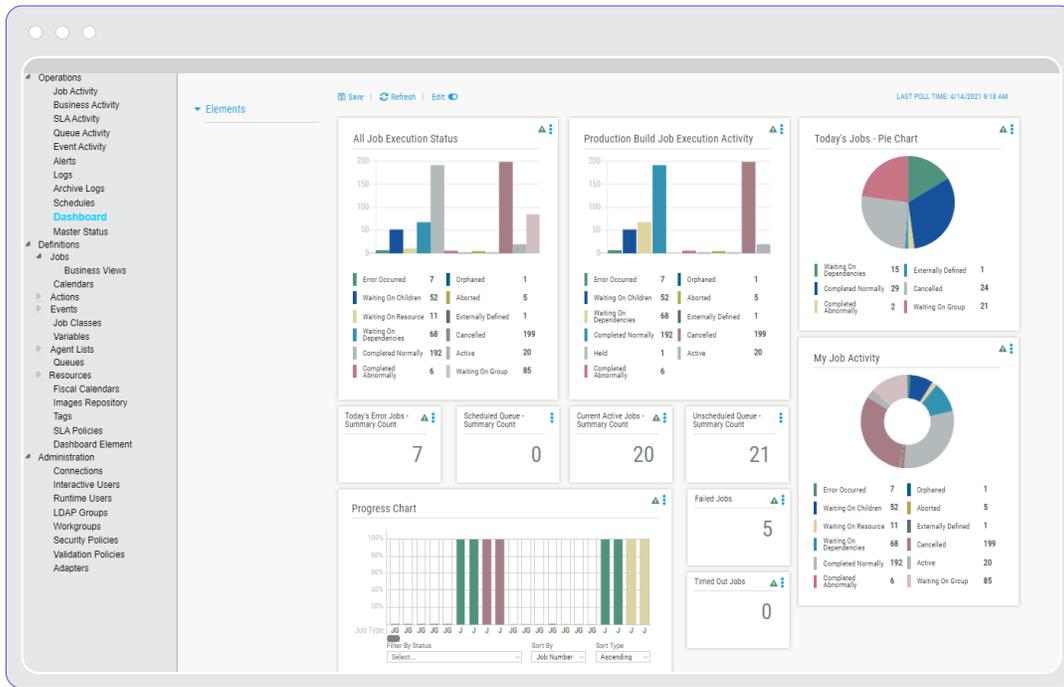
Production Control Engineer at Healthcare Company



Multiple Graphical Views

There are a variety of ways to view information about jobs and schedules built in Tidal Automation – no add-ons required.

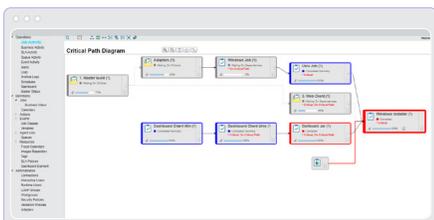
Dashboards are an effective reporting mechanism for stakeholders who need to see real-time summary data in bar charts, pie charts and more. They are widget-based and user-configurable with drag-and-drop functionality that makes it easy to customize how elements are laid out on a dashboard. You can use tags to filter data to display the most relevant dashboards for end users. User access is controlled by settings in the Tidal Automation platform.



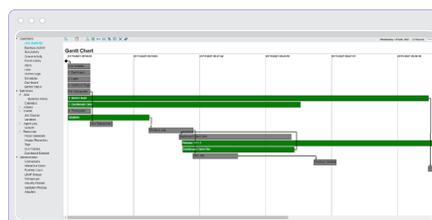
There are numerous Graphical Views generated with real-time data that provide visibility into your runtime environment. Different charts and diagrams enable you to answer questions from a variety of business and workflow perspectives. Graphical Views include:

- PERT Diagram
- Status Board (Kanban)
- Grouping Diagram
- Gantt Chart
- Critical Path Diagram
- Queue Activity Diagram
- Double Tree Diagram
- Radial Tree
- Radial Group

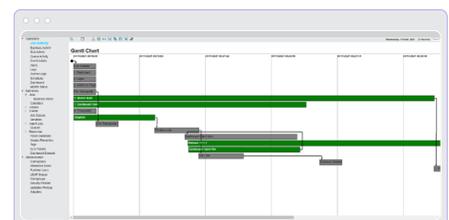
SAMPLE DIAGRAMS



CRITICAL PATH



GANTT



STATUS BOARD

Password Vault Integration

Our Password Vault capability protects passwords required by the systems and applications Tidal integrates with to centralize scheduling. Tidal goes to the application's vault each time it needs a password and does not store it beyond the transaction. Tidal integrates with industry-leading password management solutions – such as Hashicorp – that are commonly used by organizations today. While AutoSys touts similar capability, it only integrates with their own password vault management tool.

Tools for Effective Schedule Change and Lifecycle Management

Within Tidal Automation, role-based access control (RBAC) defines who can make what changes and logging captures what changes were made, who made them and when. AutoSys has some controls but users can export/import schedules which does not ensure the level of security our RBAC provides.

Additionally, Tidal Repository makes it easy to move schedule updates forward in the scheduling lifecycle. 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.

Key benefits include:



Maintains a central record of all workload automation schedules and calendars for a single source of truth



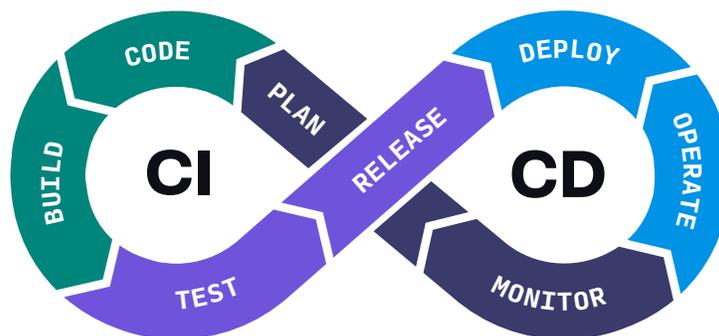
Enables versioning of schedule changes to simplify management of updates and reverting to a prior version in the event of misconfiguration



Satisfies compliance and regulatory audit requirements with a full history of who made what changes and when



Integrates with DevOps CI/CD processes to accelerate implementation of updates to applications and schedules



DevOps Automation

Tidal Repository's alignment with CI/CD processes is just one way we support DevOps Automation. By using Tidal, developers don't have to worry about calendars, time zones, Daylight Saving Time, dependencies across systems and more. They can embed all of Tidal's capabilities for scheduling and automation through the APIs.

We are continually building additional capabilities that integrate with DevOps processes and toolchains.

Adapter for Apache Airflow – integrate Airflow activities into your enterprise processes

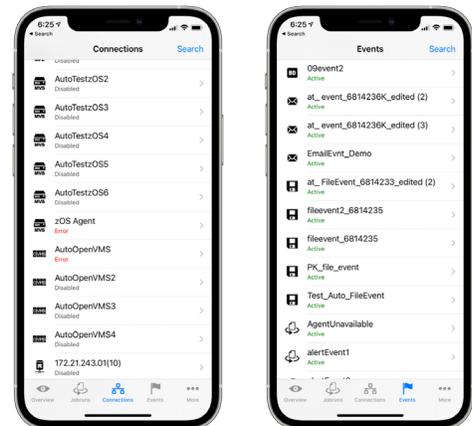
Our adapter for Airflow provides seamless integration and automation of Airflow DAG executions into your Tidal-managed processes. With more robust scheduling functionality than the basic features in Airflow, Tidal Automation enables you to include complex DAGs as Airflow jobs within your enterprise workflows and schedule those jobs based on other events, dependencies and resources.

Adapter for Kubernetes – automate container management processes

Tidal's adapter for Kubernetes enables you to centralize automation for containerization initiatives. The adapter works through the Kubernetes API to take control of the embedded scheduler activities and integrate them within overall business processes.

Mobile Application

The Tidal Automation mobile app gives you on-the-fly management and control of the most common commands in your Tidal system. Our mobile app capabilities let you filter and view adapter and agent connections, jobs, alerts and events. You can easily manage override, hold-and-stop and release-and-resume commands as well as schedules, queues and logs.



APM Data Stream

This built-in application aggregates and feeds Tidal operational data to your established data storage location. Our streaming data integrates with third-party data analytics solutions, such as Grafana and Kibana. Combining Tidal workload automation data with other operational data enables a more holistic view of performance and processing that leads to analysis and improvement.

Flexible Options for Running Tidal

Tidal offers the ultimate flexibility for deployment. You can run Tidal on-prem in your data center or in the cloud.

What You Can Count On From Tidal

100% Focus on Workload Automation

Workload automation is what we do – and it’s all that we do. That means we’re not distracted by other products and we don’t have competing or conflicting business priorities. The result is in-depth expertise in workload automation that solves traditional business challenges and continues to evolve to address more complex issues of modern organizations.

Always CustomerFIRST

Our unique approach puts customers at the center of everything we do. We emphasize customer partnership, collaboration and value so you get the most from your automation investment. We meet with our Customer Advisory Board quarterly to get their input to our strategies and direction. And we maintain an active customer community with regularly scheduled user group meetings and webinars as well as useful information and tools in our portal.

High-velocity Product Development

We aggressively invest in ongoing product development to meet your growing automation needs. When other providers can go years between significant releases, we issue new releases three times a year that are packed with additional features, enhancements and integrations – not mere incremental changes. We maintain an innovative, forward-looking roadmap to keep pace with your changing technology landscape and advanced automation needs.

Our new releases are simple to implement so there is no need to worry about a resource-intensive upgrade effort. They are delivered as easy-to-apply service packs.

“Tidal’s tech support is top notch.”

ERP Manager at Global Manufacturer

Exceptional Technical Support

We are committed to providing an unmatched customer experience and the best possible technical support. That’s why customers get direct access to expert Level 2 support engineers for production issues 24 hours a day, 365 days a year.

“Tidal’s licensing is very transparent and simple. There are no hidden costs.”

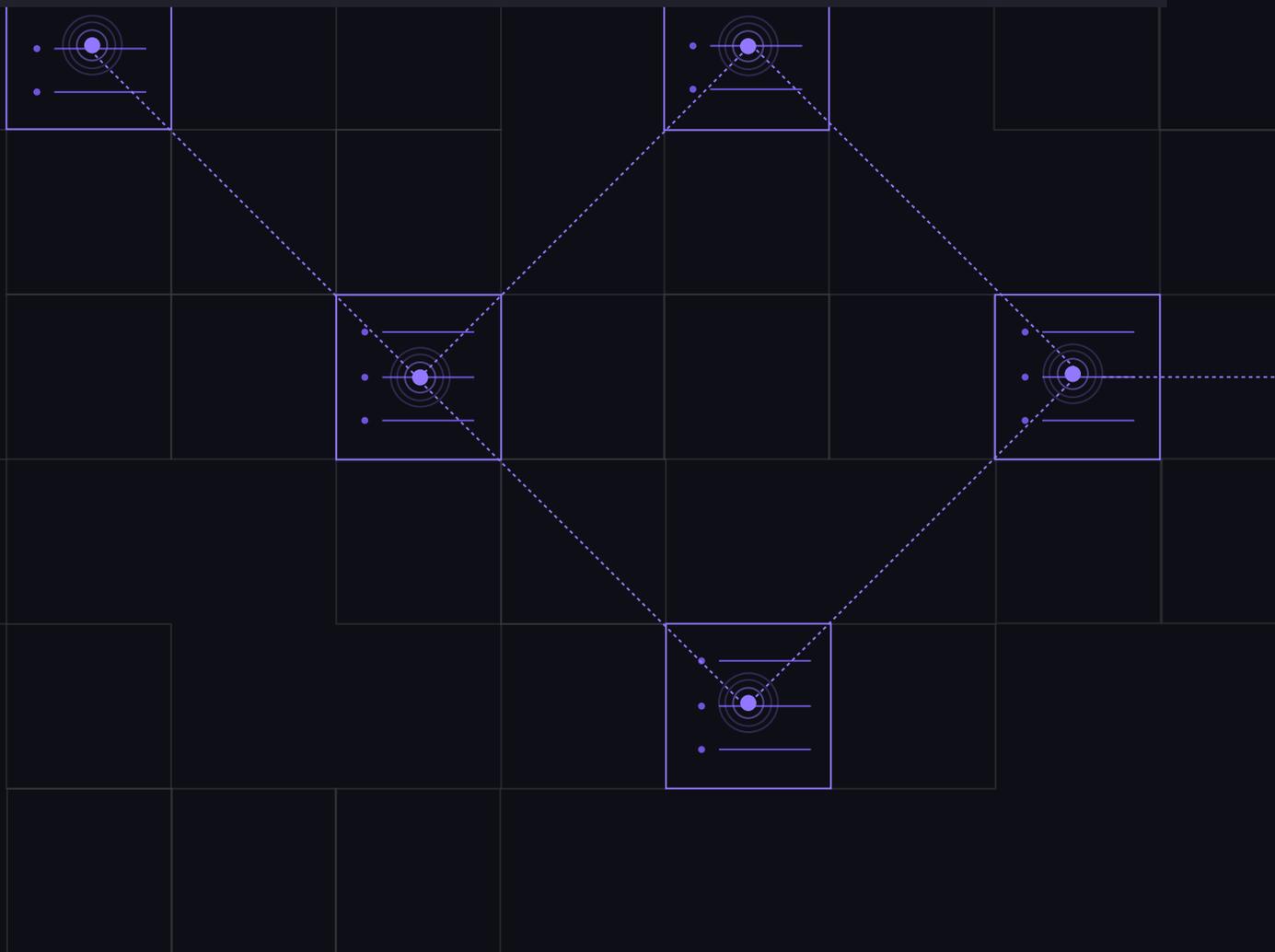
IT Manager at Global Manufacturer

Flexible, Transparent Pricing

We offer a variety of pricing models for optimal flexibility – choose the model that’s most cost effective for your workload automation environment. Pricing is predictable so you’re not surprised with major price increases at renewal time. Additionally, our solution includes built-in advanced functionality that other providers price as add-ons. And you don’t pay extra to upgrade to the latest and greatest version of the platform.

Migrate Quickly and Easily

Tidal offers a comprehensive conversion methodology to ensure a seamless migration process. It includes a Conversion Utility that automates the process of moving your AutoSys jobs, global variables, resources, machines and calendars into the Tidal platform. The utility streamlines the conversion process with a high level of accuracy and minimal manual effort – it has demonstrated the ability to convert 100,000 jobs in less than an hour. You can be up and running in days, not weeks. Let us show you how painless it can be.



tidalsoftware.com

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.

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