

# Modern Orchestration for Multi-cloud Environments



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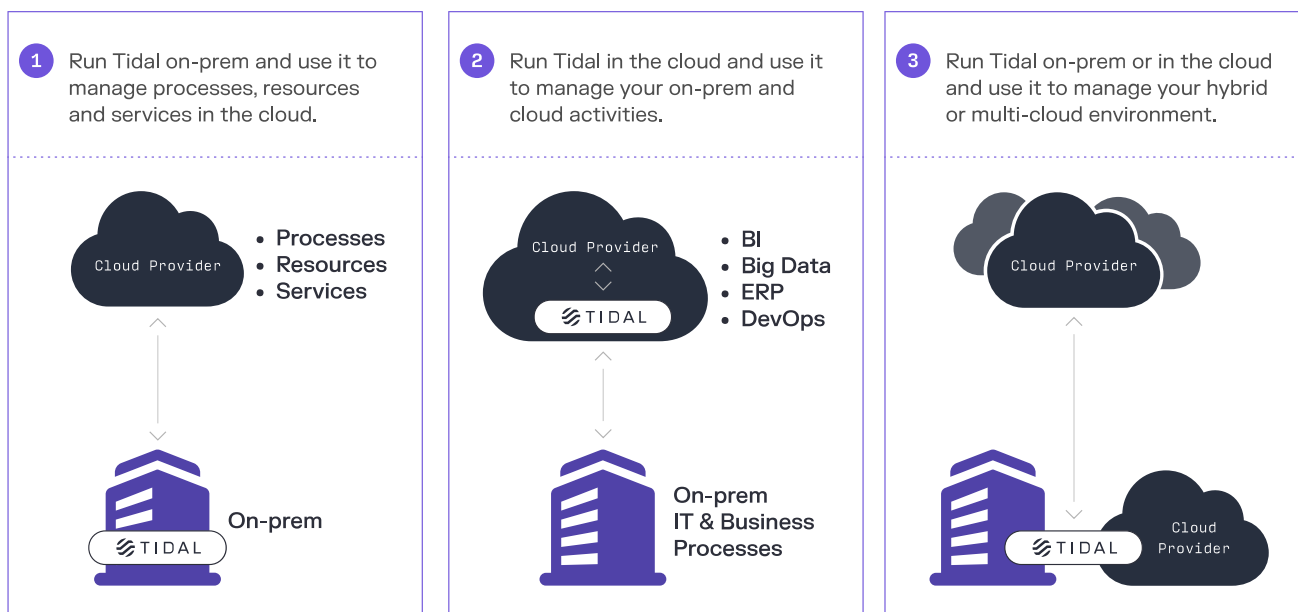
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# Going to the Cloud

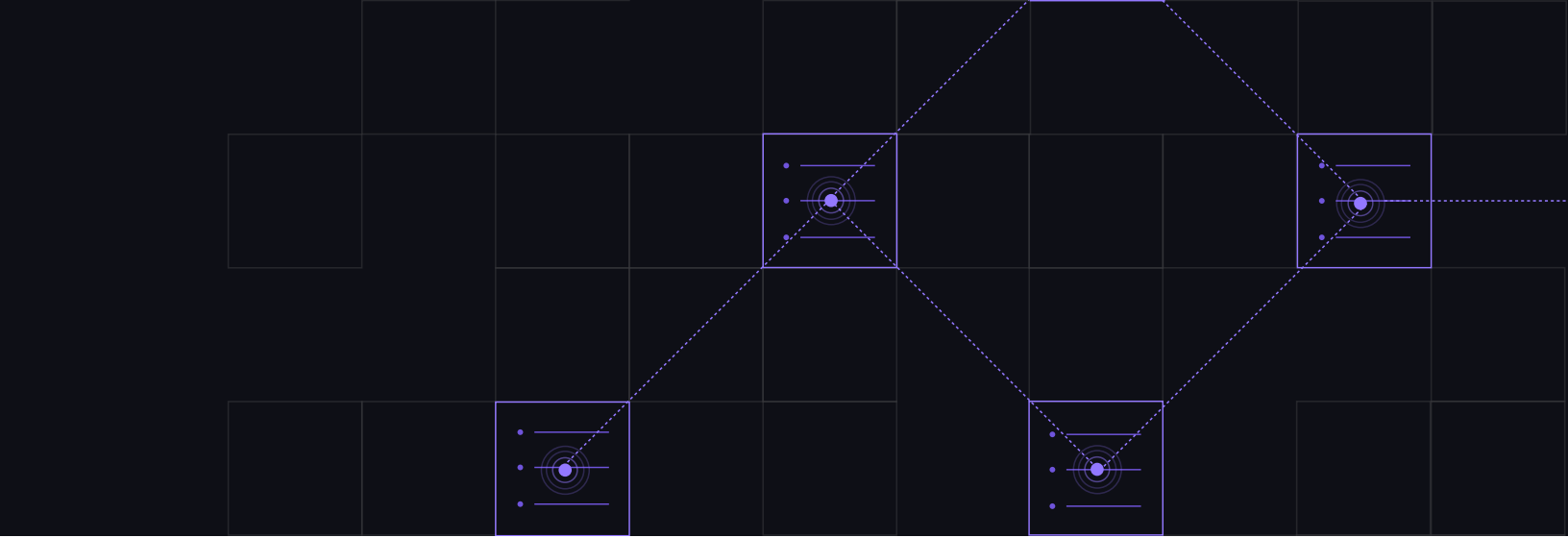
Digital transformation initiatives are accelerating the adoption of cloud computing. Businesses of all sizes, geographies and industries are turning to the cloud as their defacto choice for deployment. The numerous benefits are driving many companies to adopt cloud-first or cloud-only policies.

Regardless of the cloud provider you choose – or a combination of AWS, Azure, Google or Oracle – Tidal has you covered with broad and deep support so you can optimize scheduling for the processes, resources and services of your cloud environment.

## Flexible Options for Tidal in Your Cloud Environment



→ You can also run the Tidal SaaS version and use Tidal to manage your cloud tasks and resources as well as the applications you're hosting in the cloud.

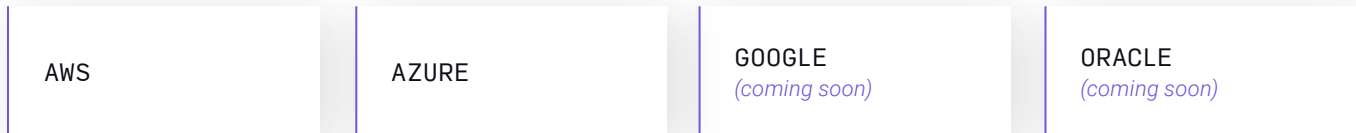


## Run Tidal Anywhere

Whether you run Tidal on-prem, in the cloud or with our SaaS model, there are several other ways to leverage Tidal capabilities for your cloud environment.

## Centralize Management of Cloud Tasks & Resources

*Pre-built integrations for cloud compute instances:*



The native cloud schedulers can only manage batch or simple time-based jobs within the boundaries of their clouds. With Tidal's cloud adapters, Tidal takes control of the tasks in the native cloud scheduler enabling you to manage those tasks centrally within your cross-application business processes. Eliminate a siloed approach to business process management and increase visibility, control and efficiency.

These integrations provide functionality found in the native schedulers, including execution of serverless jobs. Plus, our platform offers more advanced functionality for cloud tasks to move beyond basic batch scheduling:

- Use time- and event-based scheduling
- Define scheduling dependencies for cloud and other processes
- Apply local, business and financial calendars to control when jobs run
- Leverage graphical views of schedules
- Centralize change management for schedules

Our cloud adapters also support your resource management efforts to control the consumption – and associated costs – of cloud instances. Use Tidal jobs to start, monitor, stop and restart cloud compute instances. Spin them up when they are needed to perform tasks and take them down when they are not so you are only paying for cloud computing resources when they are in use.



## Integrate With Cloud Services

In addition to managing cloud targets and resources, the Tidal cloud adapters provide integration with popular native cloud services – Tidal fits seamlessly into the cloud services that your processes are using. Our platform uses your cloud’s identity management and security controls to access and work with email, messaging, directory and other native services.

## Manage Cloud Storage

*Pre-built integrations for cloud storage:*

**S3 FOR AWS**  
*(compatibility for OCI coming soon)*

**AZURE BLOB**

**GOOGLE CLOUD STORAGE**  
*(coming soon)*

Much like the Tidal adapters for cloud computing, our adapters for cloud storage enable centralized management of storage job scheduling in the Tidal platform. These adapters automate the execution of storage tasks as part of Tidal’s overall workload automation and apply more advanced scheduling functionality. You can easily manage cloud storage locations as well as your processes for data objects.

- Create, update or delete cloud storage with Tidal jobs
- Run jobs to update, delete, copy and move objects from one storage location to another or within the same location
- Integrate with a Data Mover job to upload/download objects

## Manage Cloud Analytics

*Pre-built integrations for cloud analytics:*

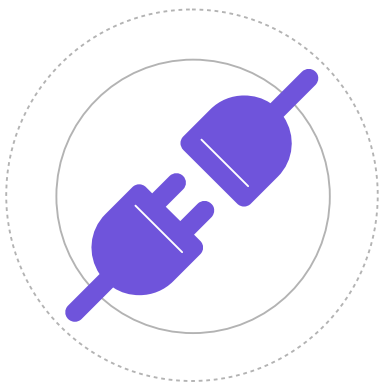
**AZURE DATA  
FACTORY**

**GOOGLE  
BIGQUERY**

Cloud providers continue to develop and evolve analytics solutions that extend their overall offering and capabilities. Using Tidal to orchestrate workflows of these solutions brings new power to your enterprise data management, movement and analysis tasks.

- Ensure delivery of business-critical data to the right place at the right time
- Integrate data-related workflows into overall business processes
- Apply Tidal’s advanced scheduling functionality to data processes

## Build Integrations With Tidal Automation Adapters



Tidal provides a rich Developer toolkit and powerful adapters that enable you to build integrations with your own cloud processes and applications..

- **ADAPTER FOR JMS** – This adapter is compatible with cloud messaging services and enables you to manage messaging from Tidal. Tidal Automation can start and stop messaging queues, and push and pull messages between your cloud applications and other queue-based applications and services.
- **ADAPTER FOR SSH** – Run commands against Windows and Linux cloud instances that are configured as SSH servers to receive and process OS commands, batch files and shell scripts..
- **ADAPTER FOR WEB SERVICES** – With this adapter, you can build web service interactions with the REST APIs of applications hosted in the cloud.

## Manage Scheduling for Applications Running in the Cloud

Because Tidal is agnostic to where applications are running, our comprehensive set of pre-built, ready-to-run adapters provide compatibility for integrating prominent applications and middleware that you are hosting in the cloud, such as your ERP, databases, data analytics, developer tools, solutions from Oracle and SAP, and many more.



# Embed Tidal Agents in Cloud Computing Instances

Use Tidal agents to control the activities of your cloud instances and processes. Tidal Windows and Linux agents can be hosted in your cloud to:

- Run OS commands, batch files and shell scripts
- Integrate with cloud auto-scaling to dynamically add or remove agents as capacity needs change

Additionally, use our Linux agent container to quickly build containers in the cloud. When a container is created, the agent is already embedded in the container and will auto-register with the Tidal Master. The agent then operates as a delegate of the Master to run jobs and report status back to the Master.

## Easily automate and centrally manage workloads across your environment with Tidal.

Regardless of where you are in the process of cloud adoption or migration, Tidal's workload automation solutions bring end-to-end automation and advanced scheduling functionality across your environment from a single, centralized point of control. Get more from your automation!

[Learn More About Tidal Integrations for the Cloud](#) ➤



[tidalsoftware.com](https://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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