

# Best Practices for Multiple Tidal Instances

For business-critical solutions like Tidal, it's important to ensure that your environment has been configured according to best practices for risk management, change management and alignment with your business structure. Here's a set of commonly used best practices from our customers that have configured their environment to meet these needs.

## BEST PRACTICE #1

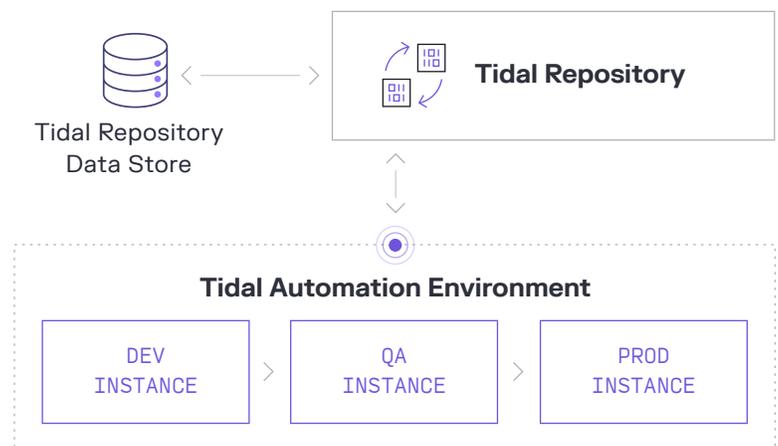
### Separate Instances for Each Stage of the Development Lifecycle

Whether you are using Waterfall, Agile or DevOps methodologies, your Tidal instances should mirror the stages of the development lifecycle. With separate instances for Development, QA, UAT and Production, you can realize the following benefits:

- **PREDICTABILITY** – With controls in place for who can make changes in which instances, you can ensure the effects and timing of those changes are more predictable in Production.
- **QUALITY** – Quality and change control are integral requirements for passing the gate associated with each stage. You can synchronize code and schedule changes as you promote the development to the next stage.
- **SECURITY** – Tidal supports the security principle of least access – users are granted the least possible access required to do their jobs.
- **AUDITABILITY & CONTROL** – With Tidal's comprehensive logging, you can demonstrate you have the controls in place to track changes in order to satisfy business and regulatory requirements.

### Worried About Managing Changes Across Instances?

A common concern about multiple Tidal instances is the challenge of managing changes between instances. The good news is that Tidal Repository is designed to do just that. Repository enables centralized management of your workload automation schedules and calendars and supports best practices for change management. It offers robust capabilities for storing, organizing, versioning, sharing and using job data across multiple Tidal instances – and it easily integrates with your DevOps build and deployment tools.



## BEST PRACTICE #2

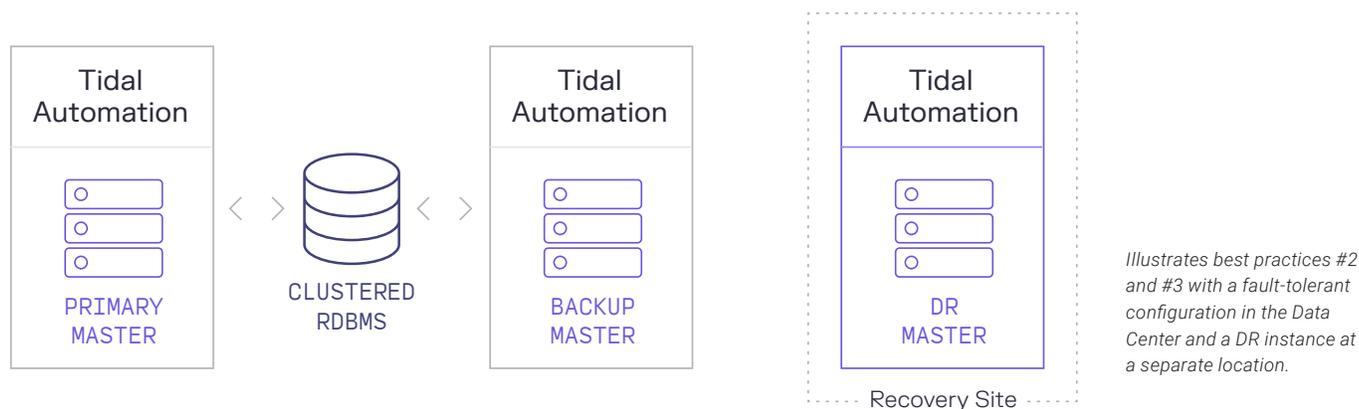
### Disaster Recovery (DR) Instance

You must have a disaster recovery instance at a different location than your Tidal Production instance in the event the primary site fails. Tidal makes it easy to maintain a standby instance in your DR location to quickly switch your workload automation activities if there is a disaster. There are often legal ramifications and financial penalties for regulated entities and public companies if a failure occurs and there is no disaster recovery in place, so operating without a DR solution really isn't optional. Note that Tidal offers licenses for DR instances at no charge.

## BEST PRACTICE #3

### High Availability (HA) Production Instance

We highly recommend that you install a second Production Master instance to maximize availability and provide redundancy. The Tidal architecture offers a redundant, fault-tolerant solution you can configure to maintain highly available automation services. In the event the primary Master stops responding due to a hardware or network failure, the second Tidal Production Master automatically takes over. This HA Master solution can be connected to a clustered database backend for even higher availability.



## BEST PRACTICE #4

### Separate Instances for Different Business Operating Models

Many of our customers set up Tidal instances to reflect their corporate structure. There are a variety of reasons that make this a best practice:

- Business units have different Operations teams so they can run their systems independently – managing their updates and maintenance accordingly, and increasing their efficiency, control and security in the process.
- For legal protection, some customers need to separate information being managed through Tidal so that there is no intermingling of data.
- In the age of mergers, acquisitions and divestitures, these activities can be streamlined when a business unit's systems are operating independently.

Did you know that licenses for non-Production instances are **half the cost** of Production licenses? Take advantage of our tiered pricing to create a robust Tidal environment.



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