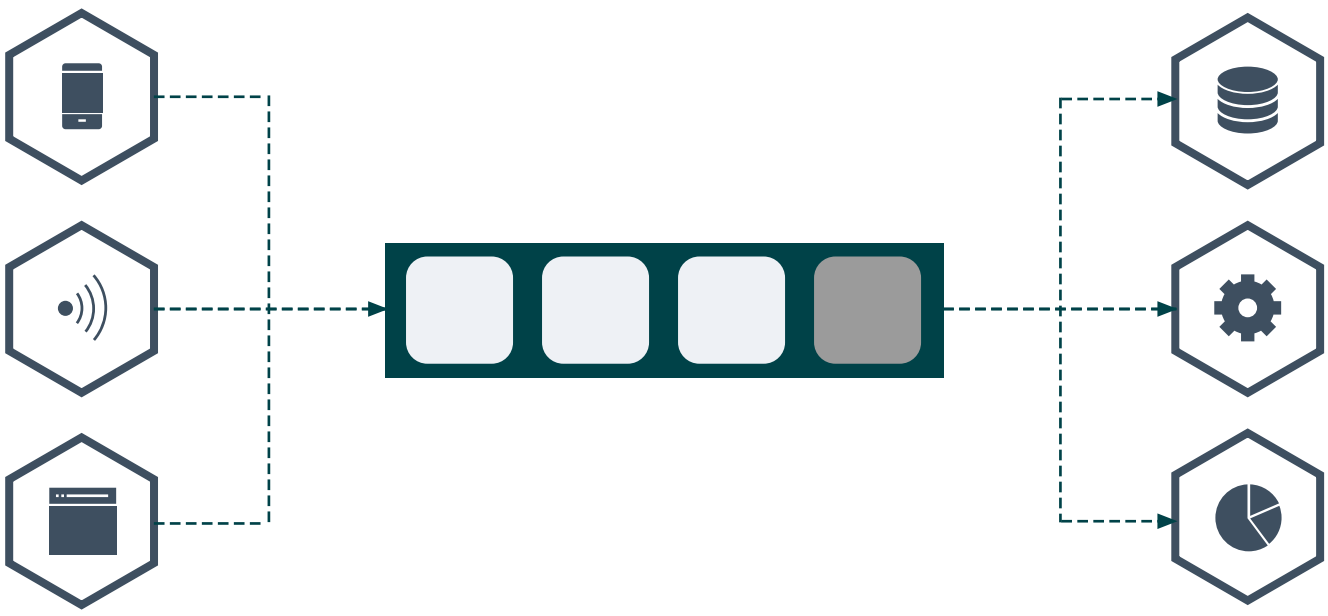
MESSAGE QUEUING IN THE MODERN CLOUD ERA

How to keep data in sync when building large scale distributed systems

With the rise of microservices and Internet of Things applications, data in transit is just as important as data at rest. With more moving parts, maintaining reliable communications and consistent data is a crucial aspect of a well designed application architecture. The practice of leveraging a message queue as the glue to hold distributed systems together has been a common theme for many years, however, best practices have shifted as cloud technologies and application development patterns continue to evolve.

IronMQ by Iron.io is an industrial-strength message queue solution built for the modern cloud, with advanced features and flexible deployment capabilities not found elsewhere.



Scale Your Systems
When decoupling services, use IronMQ to scale up and down on-demand based on volume.

Communicate Effectively
Deliver data to and from devices and systems using IronMQ as a reliable transport layer.

Dispatch Workloads
Use IronMQ to respond to event triggers, and route data to the appropriate tasks for processing.

CLOUD-NATIVE

Communicate over HTTP via a REST API, with JSON data format and OAuth authentication.

Built to run as a multi-tenant service in Go, a high performance systems language.

RUN ANYWHERE

Runs on all major IaaS providers including AWS, Azure, and Rackspace. Integrated as an add-on with all major PaaS providers including Heroku, OpenShift, and Pivotal.

Can be installed on-premises via Docker in any private cloud environment including OpenStack, OpenShift and Cloud Foundry.

EASY TO USE

Simple REST API with native libraries for all popular languages including Go, Java, .NET, Node.js, PHP, Python, and Ruby.

Admin dashboard for managing queues and viewing insight into activity and performance.

When to Use IronMQ in Your Systems

Microservices

When breaking apart monolithic applications into composable services, a message queue is crucial for inter-service communication. IronMQ makes this easy through a REST API that can be interfaced through a native library in your language of choice.

Internet of Things

Connected devices generate large amounts of sensor data that need to be delivered to applications and databases. IronMQ provides a reliable and persistent transport layer to move from source to destination without any data loss or system overload.

Mobile Compute

API-driven mobile apps need a highly available and high-performance backend for compute and storage. IronMQ acts as a dispatcher for the asynchronous workloads generated from heavy mobile app usage without interfering with the user experience.

Hybrid Cloud

As Enterprises open up to the cloud, secure hybrid solutions allow for a streamlined migration path. IronMQ is available as both a public cloud service and as an installable Docker container, with the same API across any environment.

Why Choose IronMQ

Developer Friendly API

IronMQ speaks the language of your applications and APIs so you won't have to write extra code for your queuing methods.

Most Advanced Feature Set

Supports pull queues, push queues, and long polling queueing methods, with error queues and alerts for extra durability.

Persistent and High-Performance

IronMQ is backed by a high performance key/value data store, meaning you won't lose messages in transit nor sacrifice performance.

Proven in Production

IronMQ has been battle tested by thousands of startups and large Enterprises across public and private clouds, pushing billions of messages every month.

GET STARTED FOR FREE TODAY AT WWW.IRON.IO

Iron.io

Iron.io provides a comprehensive platform for managing event-driven workloads at massive scale. Iron.io is the maker of IronMQ, a cloud-native message queue solution, and IronWorker, an asynchronous task processing environment.