

# Provision and Connect Heroku Redis

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# Redis – a Quick Primer

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# Redis Vs Memcached Vs H2

Redis

Memcached

H2



# Redis Vs Memcached Vs H2

## Redis

Key value store

Used as a database, cache or message broker

## Memcached

Key value store

No support for partitioning, transaction and replication

## H2

RDBMS

Java language only



# Advantages of Redis

## **Fast and flexible**

- 100K set and 80K get operations per second

## **No need to comply with schema**

## **Supports multiple data structures**

## **Built-in master slave replication**

## **Client sharding**

- Partitioning a large database to smaller chunks

## **Data persistence**



# Top Companies That Use Redis

**Twitter**

**Pinterest**

**Tumblr**

**Stackoverflow**

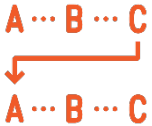
**Snapchat**



# Redis Use cases



To store session data. Can be used as a distributed cache



Queuing solution. Breaks tight coupling between the applications



Pub – Sub solution



Data analytics

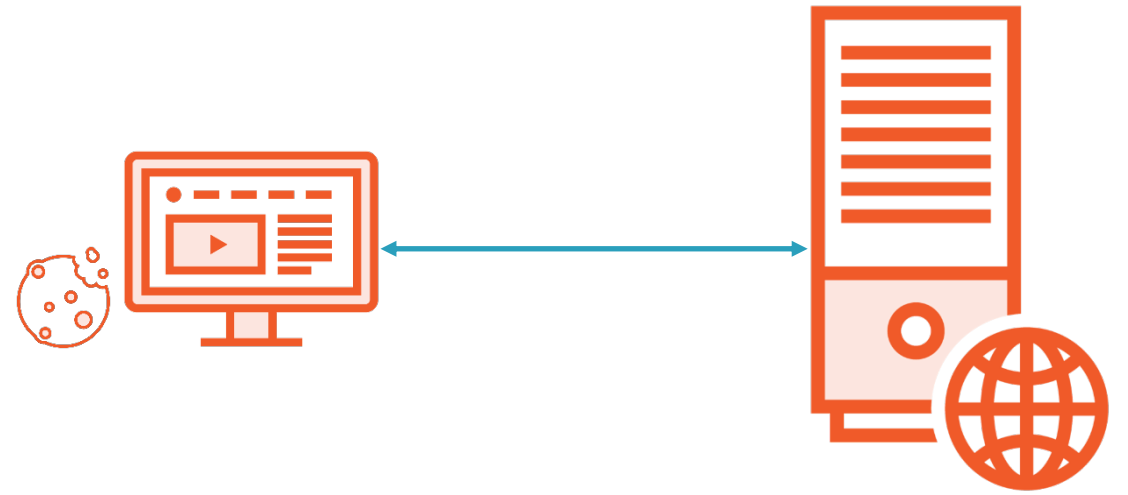
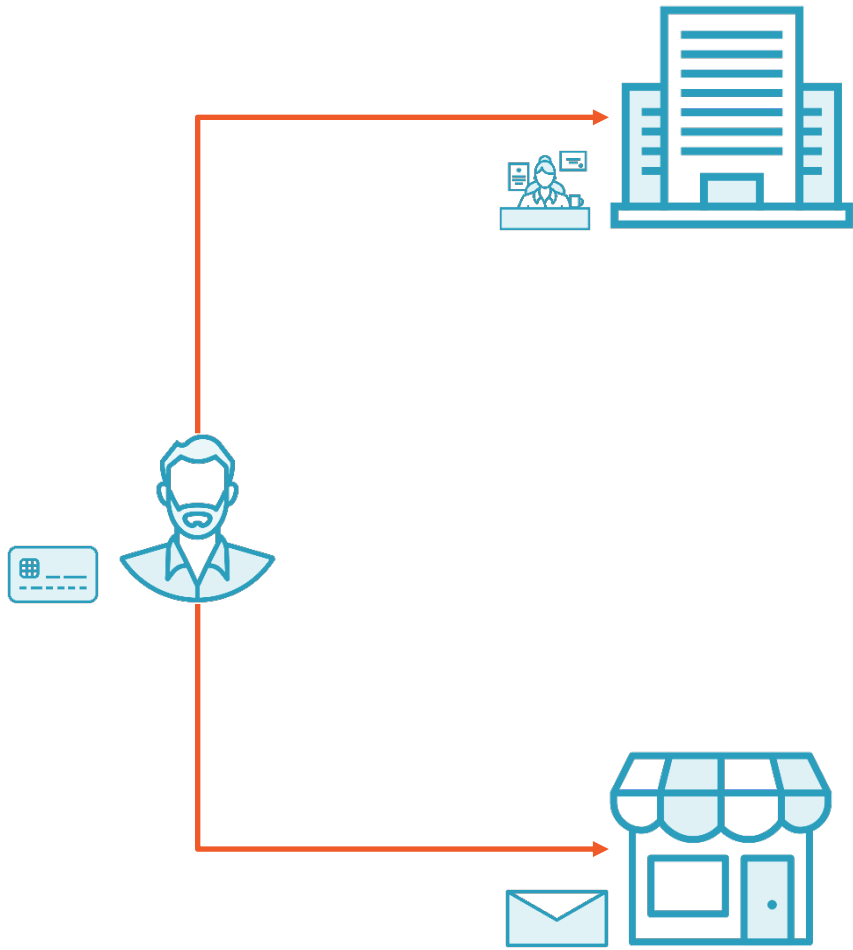


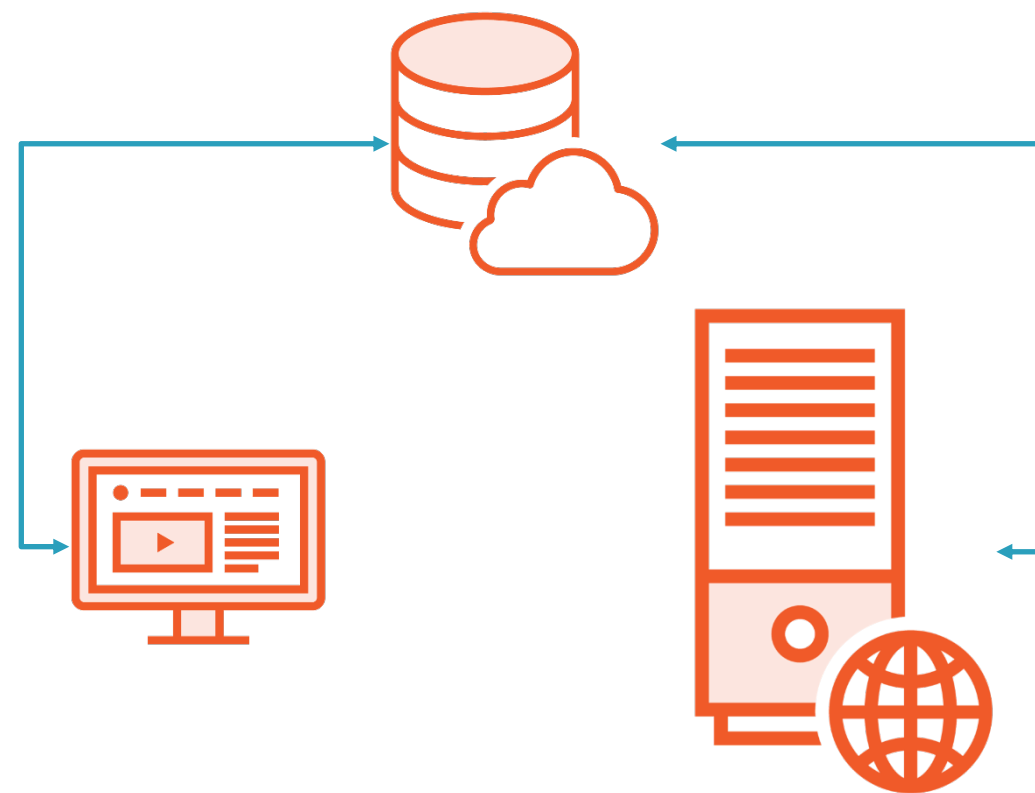
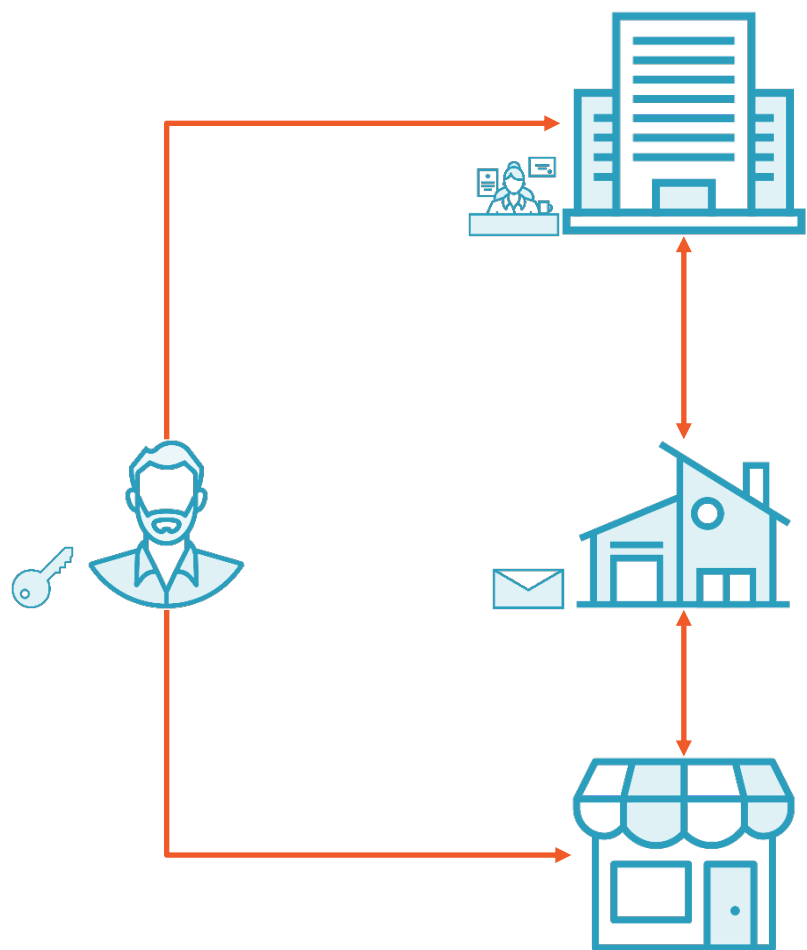
Gaming apps











# Redis - a Heroku Addon

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# Heroku's Value Proposition

Identify  
performance  
bottlenecks

Focus on  
application  
development

**Performance  
dashboard**

Scale up based  
on your needs

Share across  
apps

Install multiple  
instances

**Scale easily**

Accessible by  
any Redis  
driver

Multiple  
buildpacks

**Develop easily**



# Provision Heroku Addon

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# Deploy Java Application on Heroku

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# Run Java Application

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# Manage, Monitor and Migrate Heroku Redis

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