

# Managing Distributed Builds

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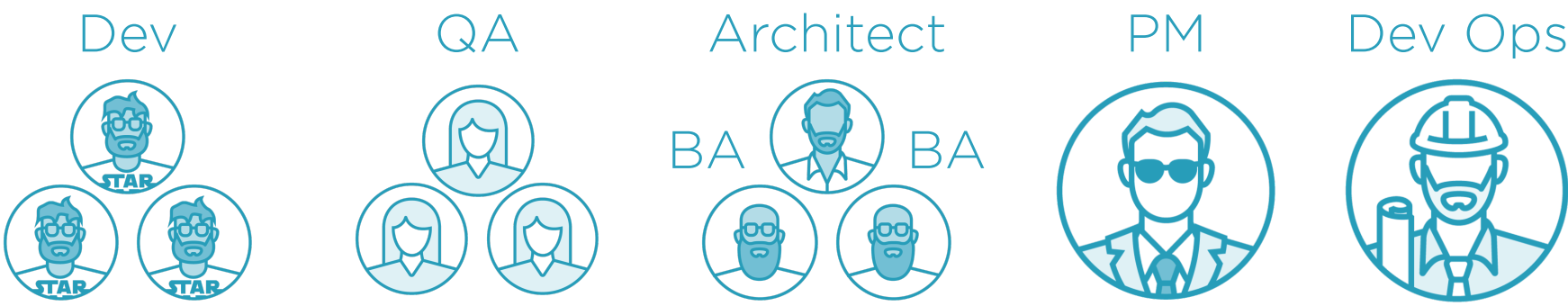
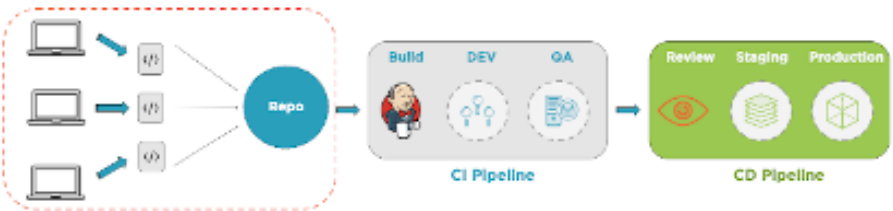
**George Smith**

SOLUTION ARCHITECT & EDUCATOR

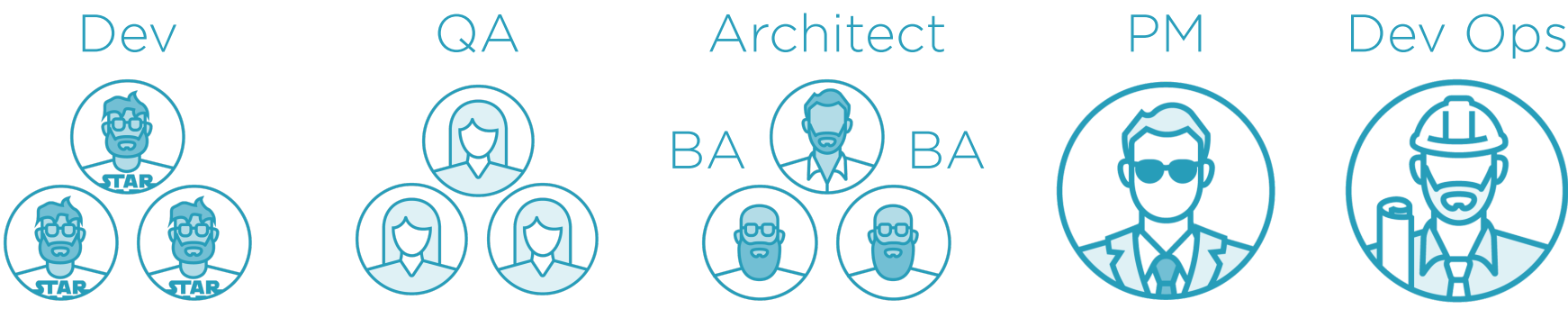
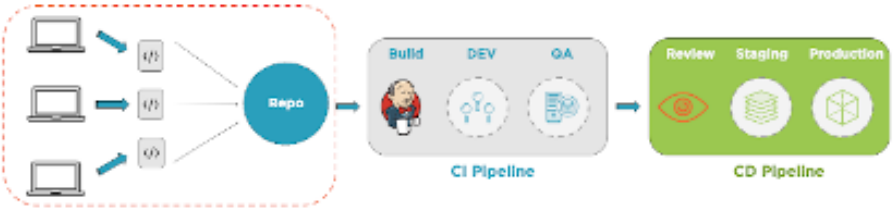
@GeorgeS11323298

# Multiple Pipelines

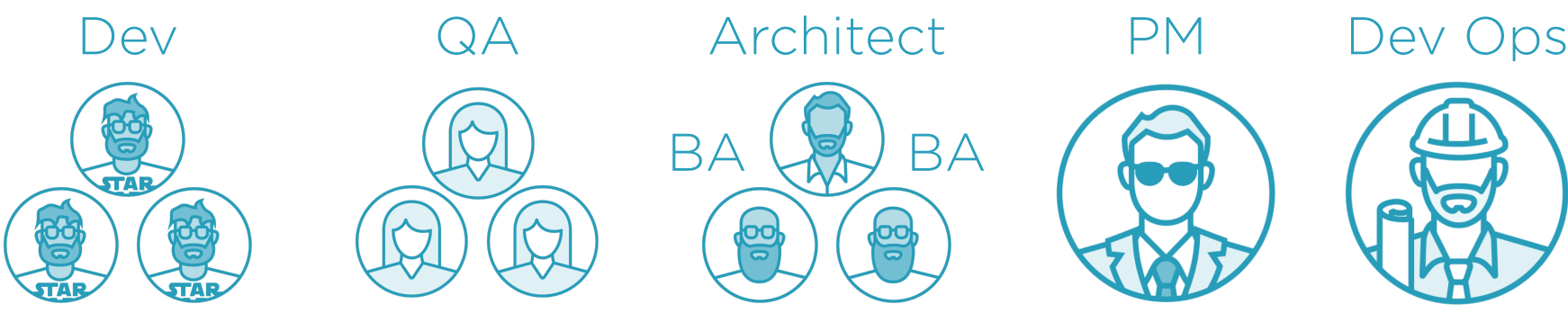
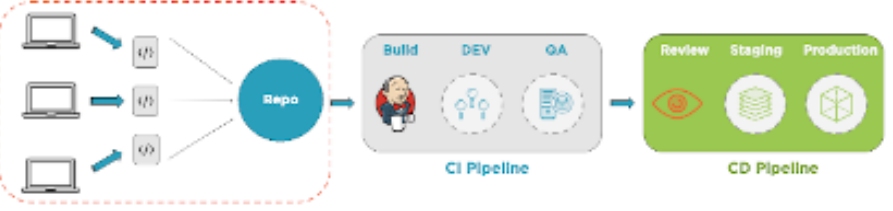
## Smart Watches



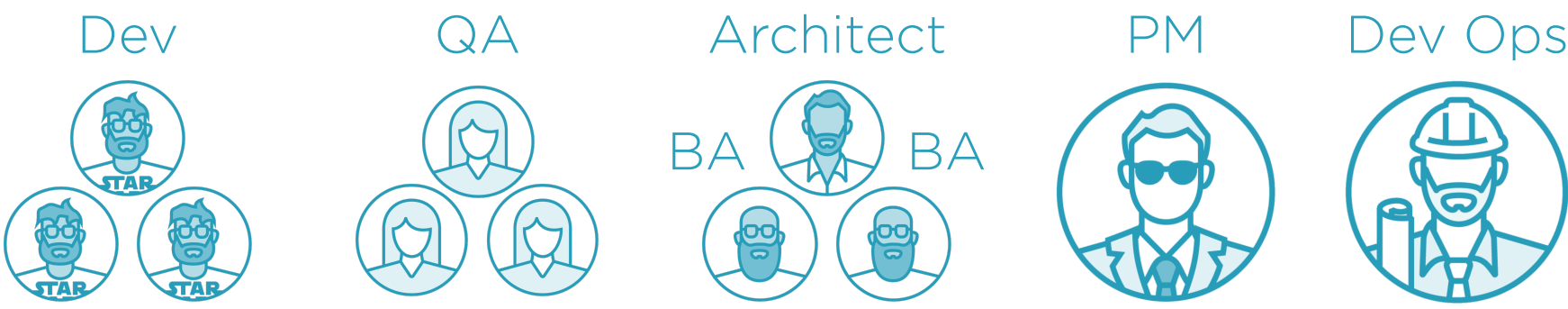
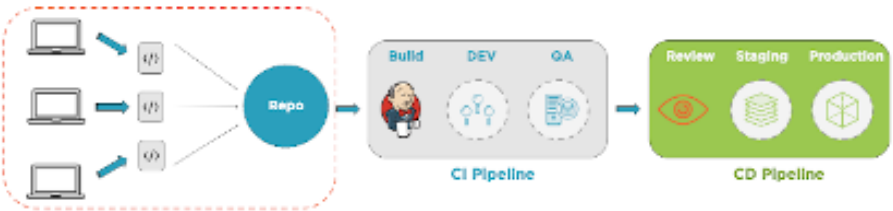
## Mobile Apps



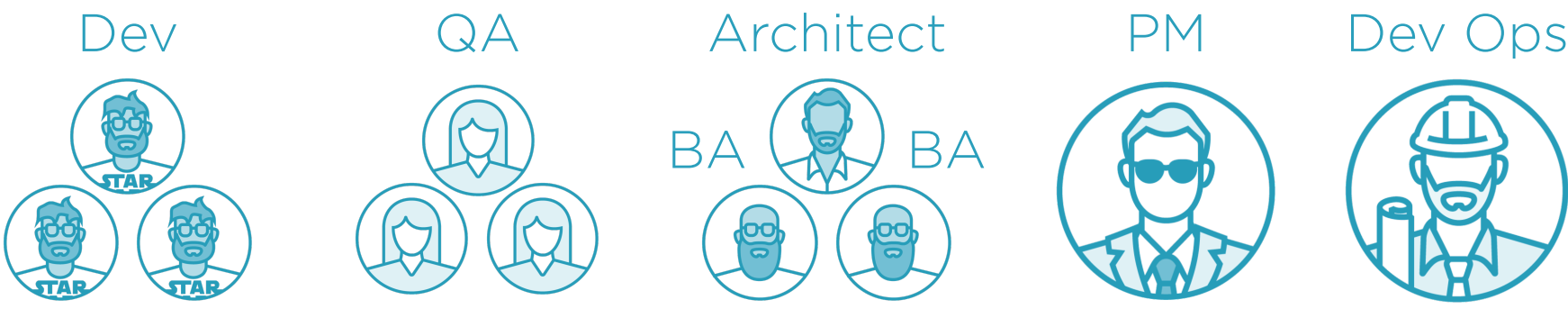
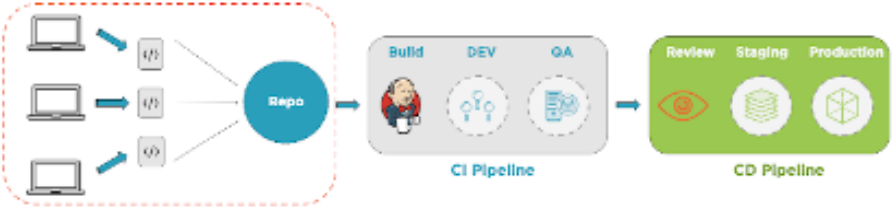
## REST, GraphQL APIs



## Mobile Apps



## Internet of Things



Master Builder  
(You)



# Intro



## What you will learn:

**CI / CD Notifications**

**Disk Monitoring**

**High Availability (HA)**

**Backup & Recovery**

CI / CD Notifications

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Delegate the job of  
responding to email  
notifications to the right  
people

Use Real-time Notifications

# Disk Monitoring

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# Running out of Space

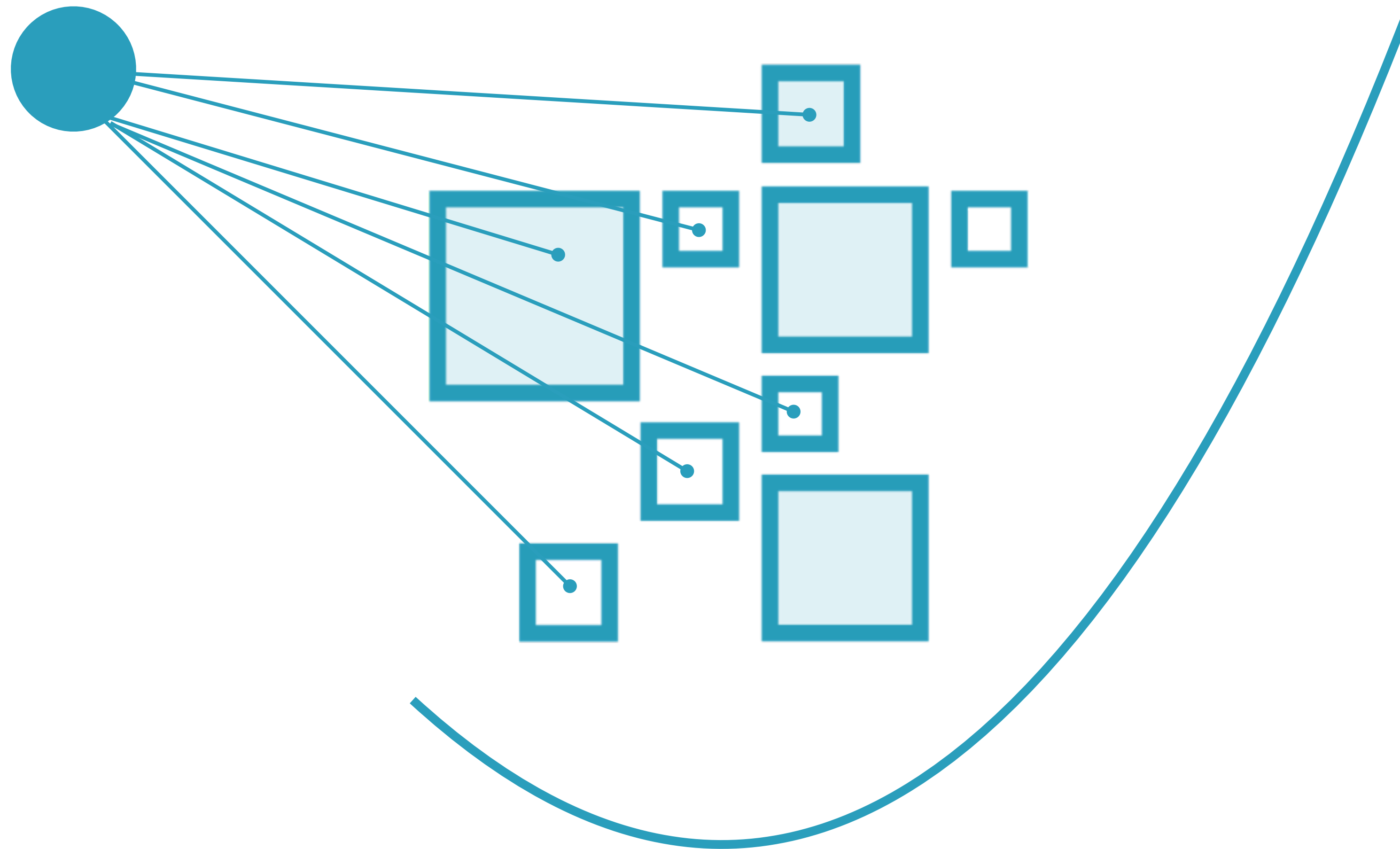


**Disk Full**



# Making Your Jenkins Installation More Reliable

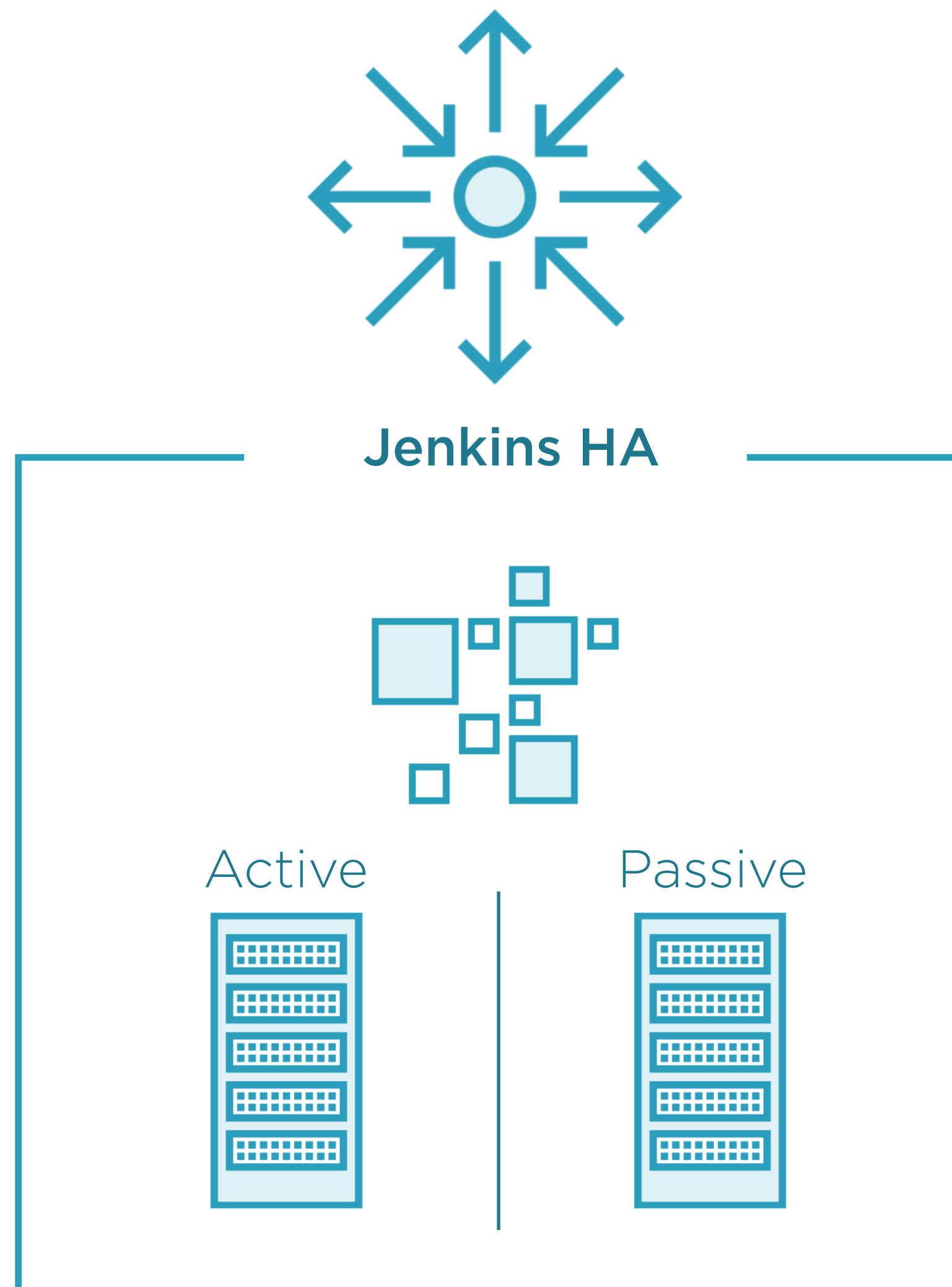
# Coming up - High Availability



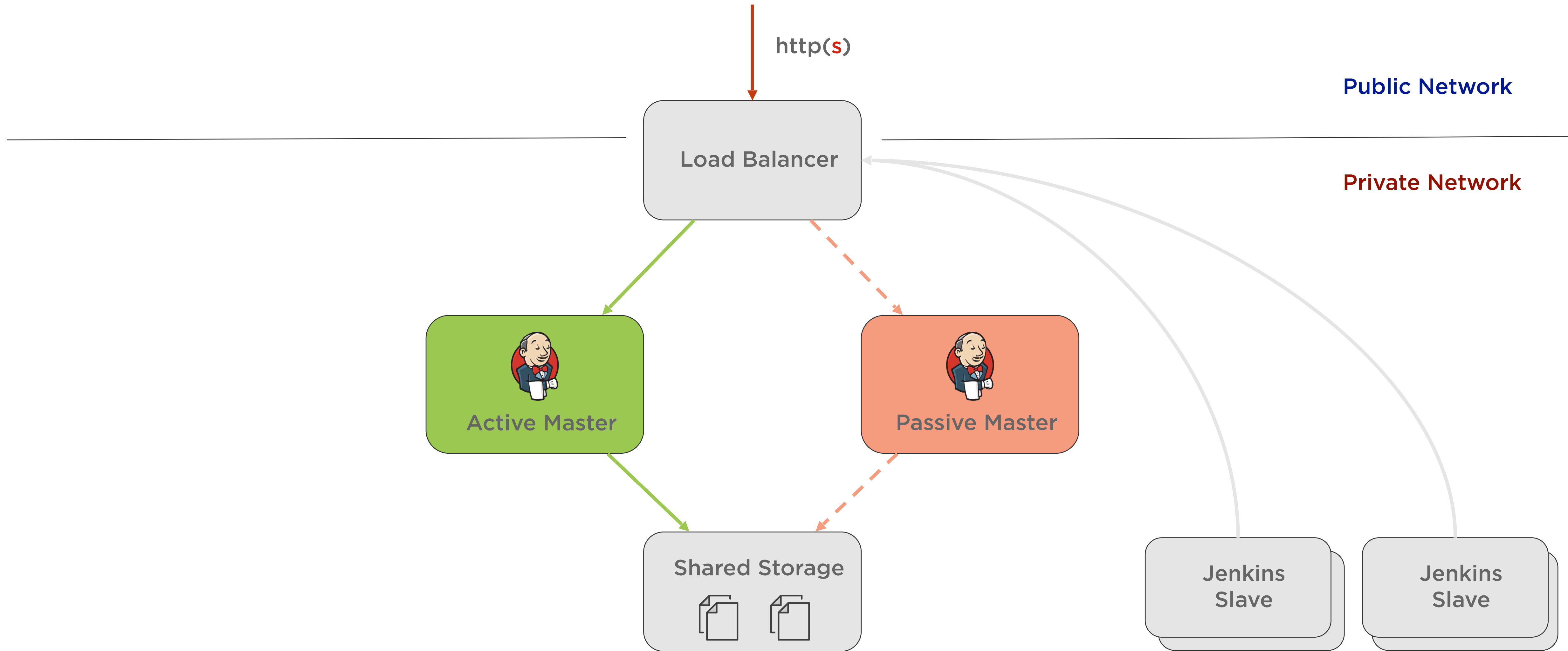
High Availability

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# Jenkins High Availability



# Jenkins Failover Architecture

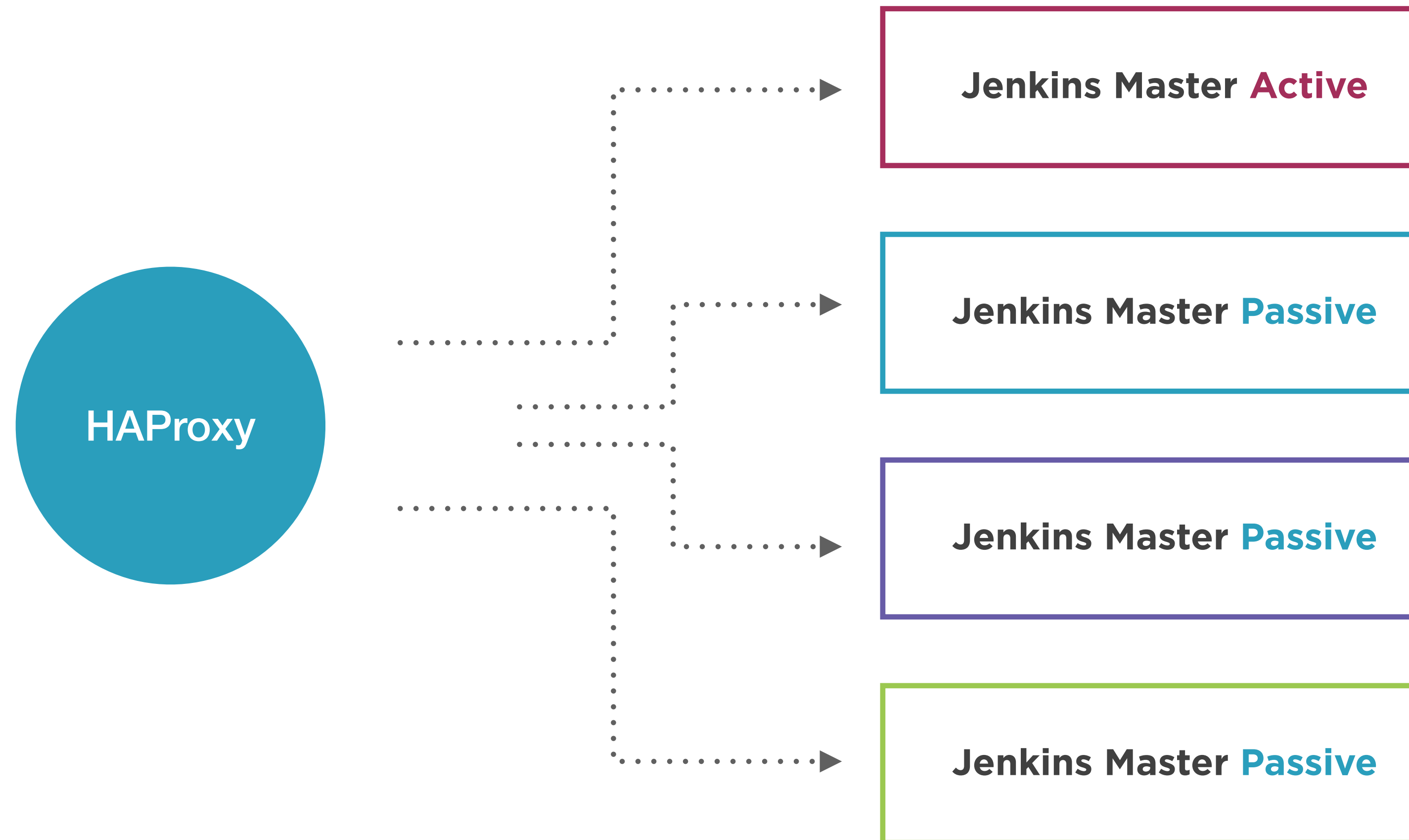


# Private Key Credential on Both Nodes



Avoid Restart  
with  
Jenkins CLI over SSH

# Coming up - Setting up HAProxy

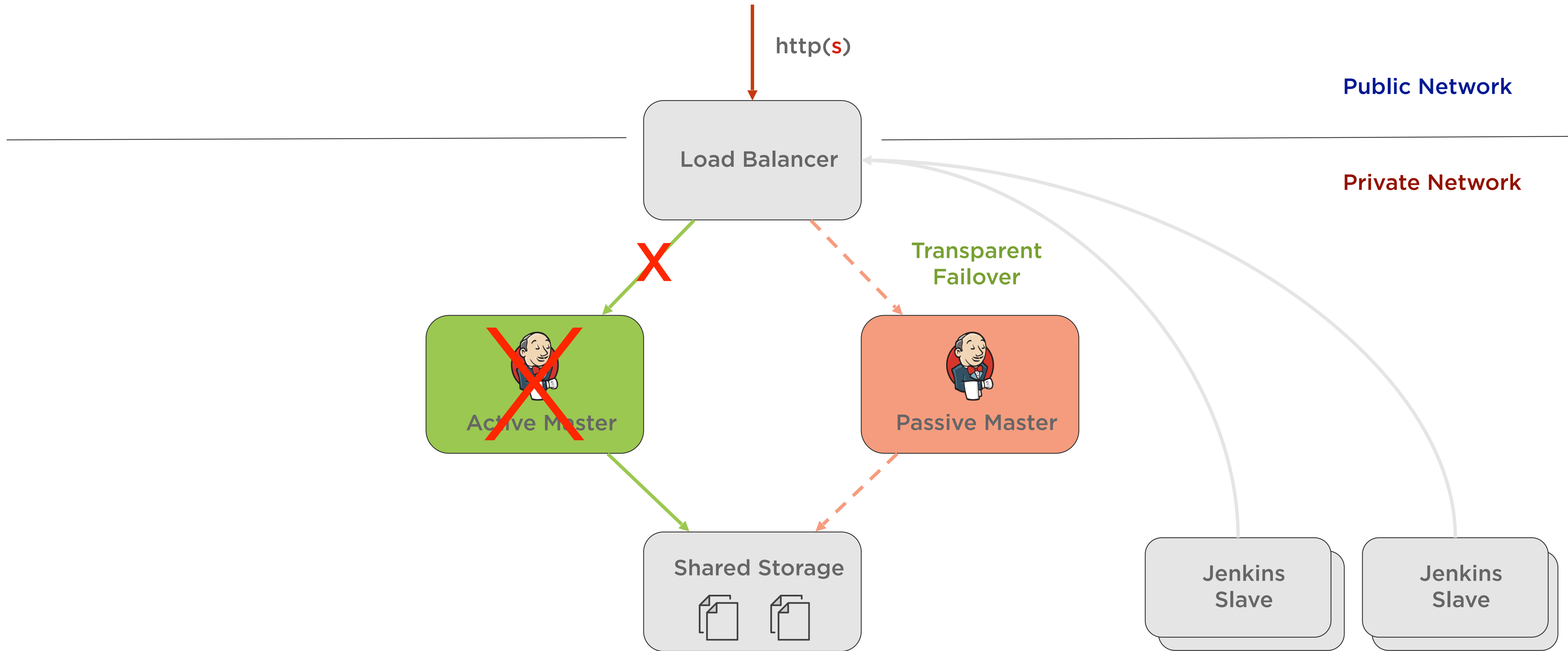




# Setting up HAProxy

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# Jenkins Failover Architecture



# Re-run Non-recoverable Jobs

# Coming up - Backup & Recovery



# Backup & Recovery

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# Main Backup Options

## **File System Backups**

**Perform manually or automate partially**

## **Plug-in Enabled Backups**

**Leverage plug-in functionality to automate most of it**

# Text Chunking: Six Items

TAR

ZIP

GZIP

BZIP

RSYNC

SYSAUDIT

Stop Jenkins server before backup



Run backup when server not busy

**Up Next:**  
Summary

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# Summary

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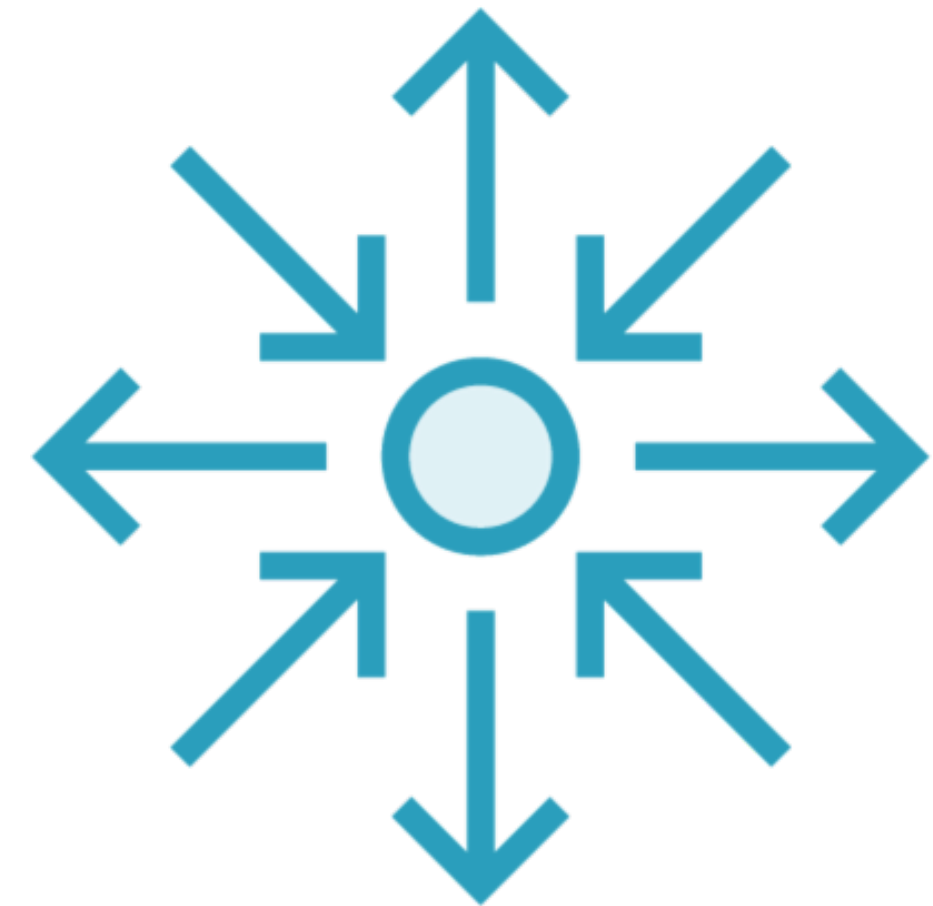
# Topics Covered



**CI / CD Notifications**

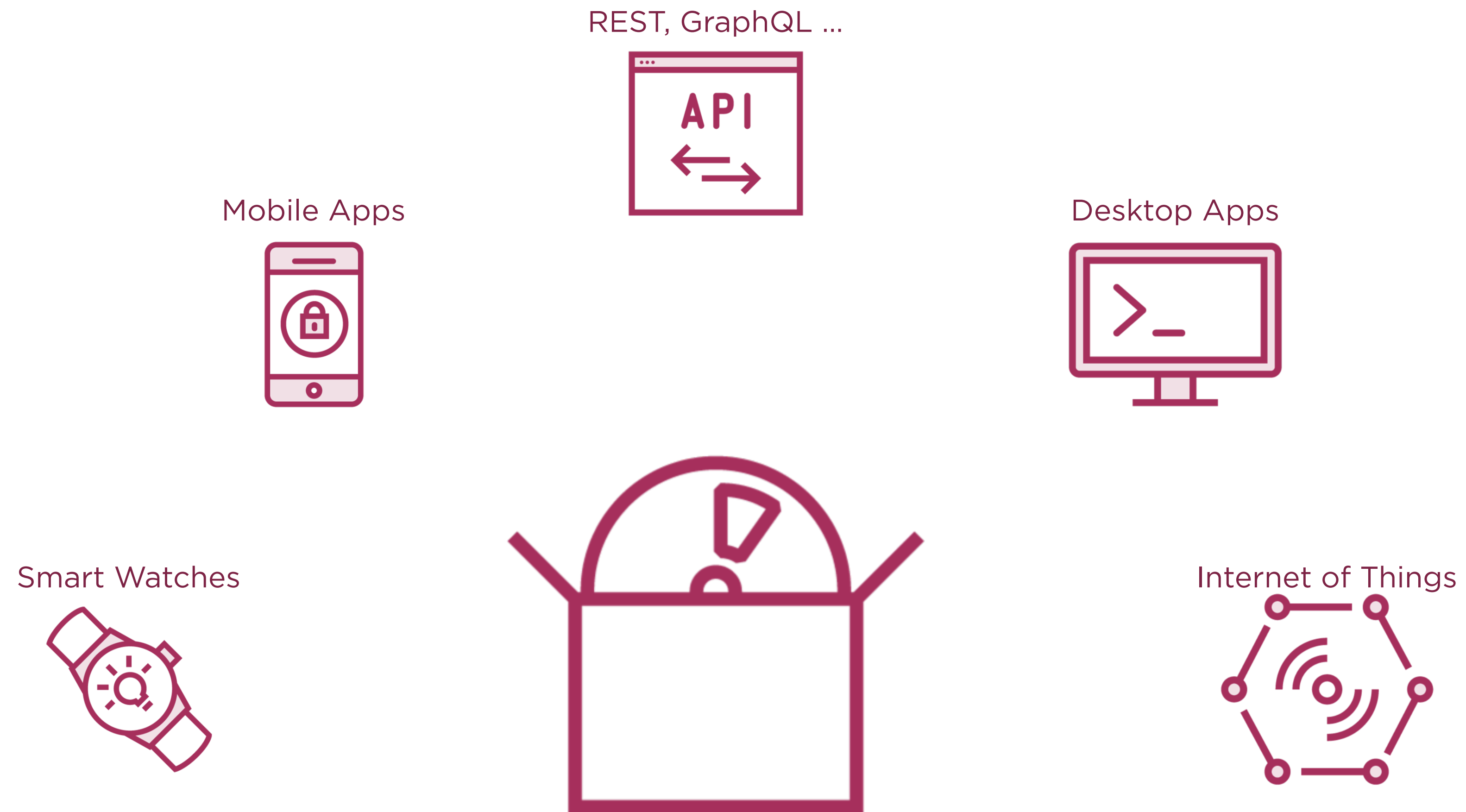


**Disk Monitoring**



**High Availability**

# Product Portfolio Expansion



New  
Expertise

## Distributed Builds

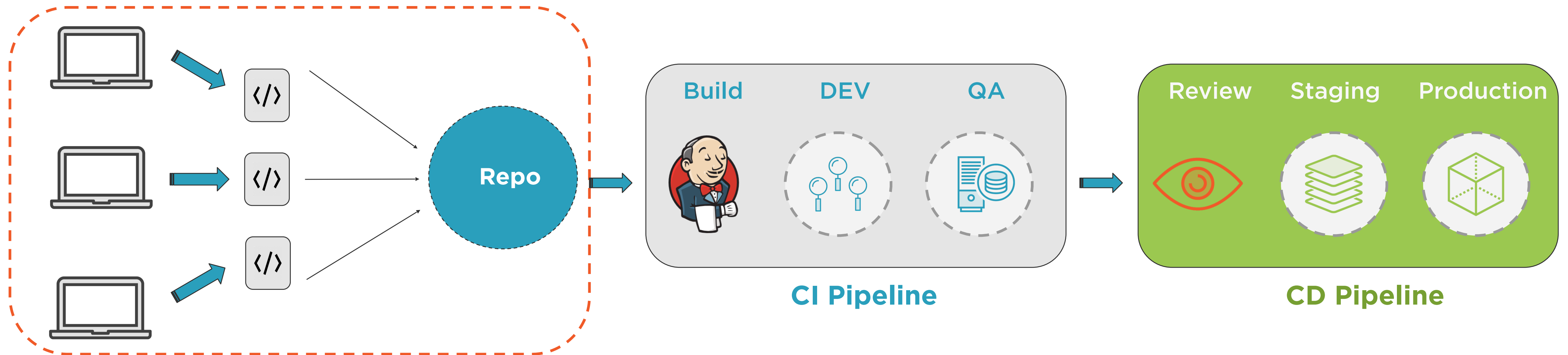
**Plan**

**Setup**

**Execute**

**Mechanisms for 3-rd party integrations**

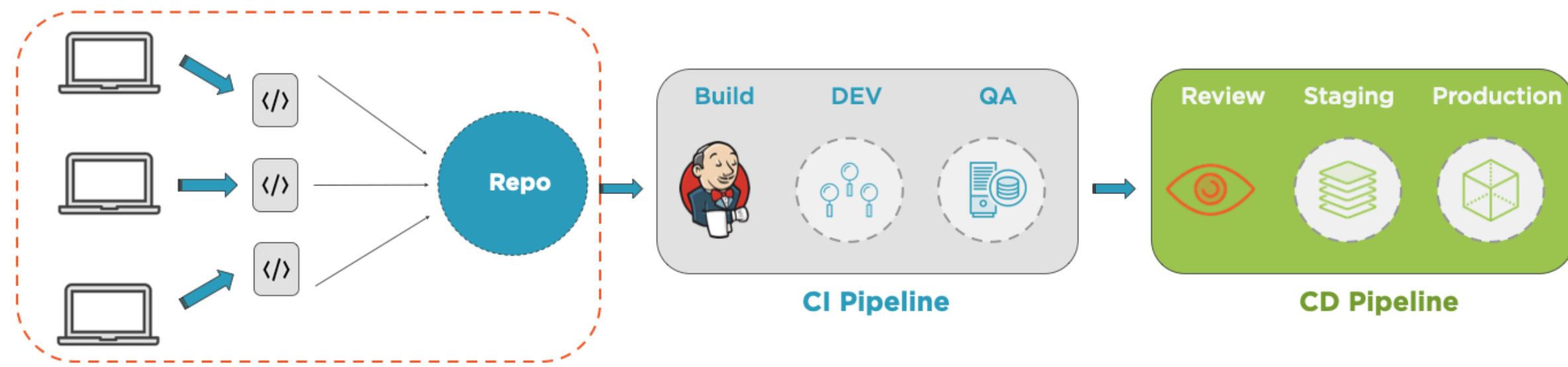
# Single Pipeline



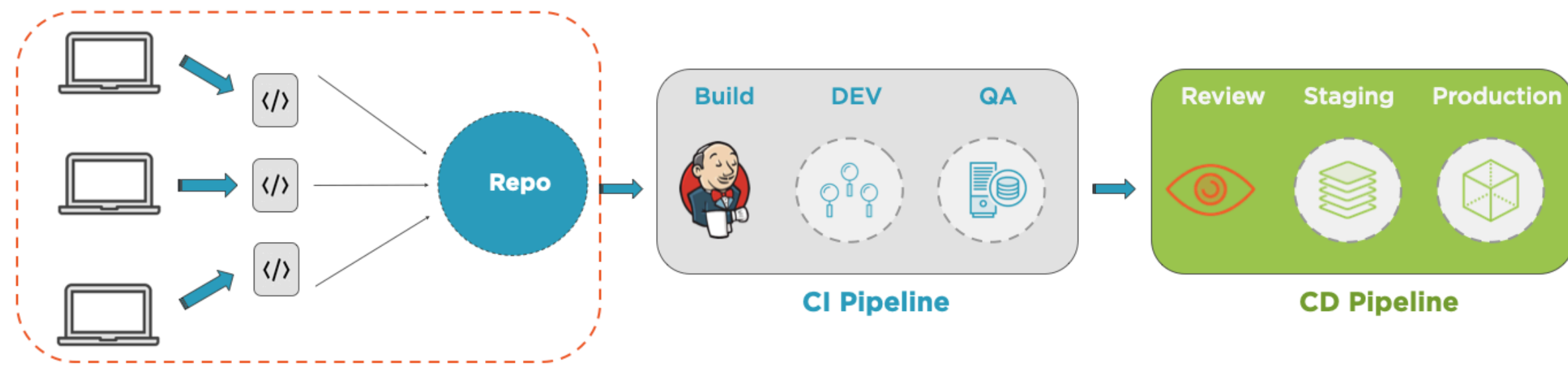


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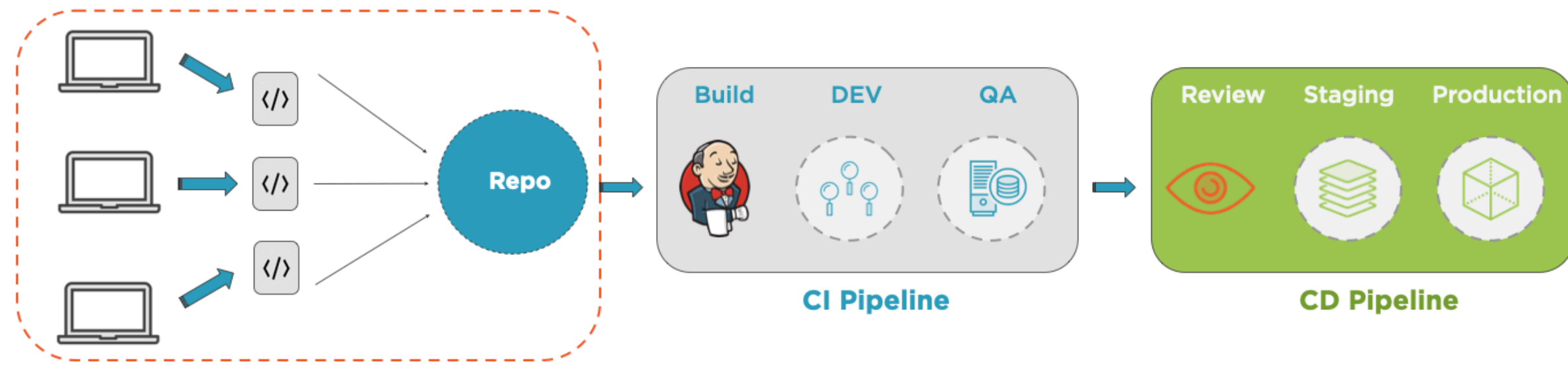
Smart Watches



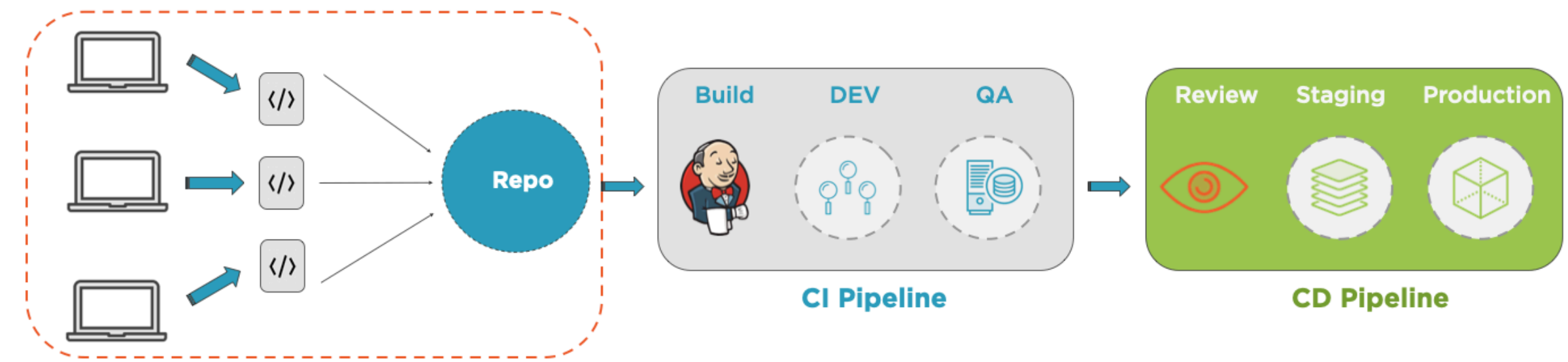
Mobile Apps



REST, GraphQL ...



Mobile Apps



Internet of Things

