

# Building a High Availability and Fault Tolerant Environment

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# Agenda

What is High Availability?

What is Fault Tolerant?

What does this look like in FME?

Why would I want this?

# What is High Availability?



**What is High Availability?**

**And**

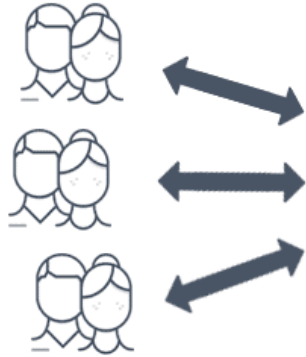
**What is Fault Tolerant?**



# What are these?

- Similar
  - High Availability (HA) is a feature of an environment/system
  - Fault Tolerant is an implementation of HA
- Allows for system components to become unavailable
  - Focus on minimizing (removing) downtime
- Multiple ways to implement both
- Occurs at all levels of the system
  - Infrastructure, software, data

Application Clients (End Users)



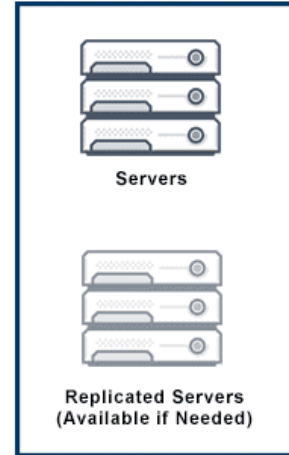
Internet



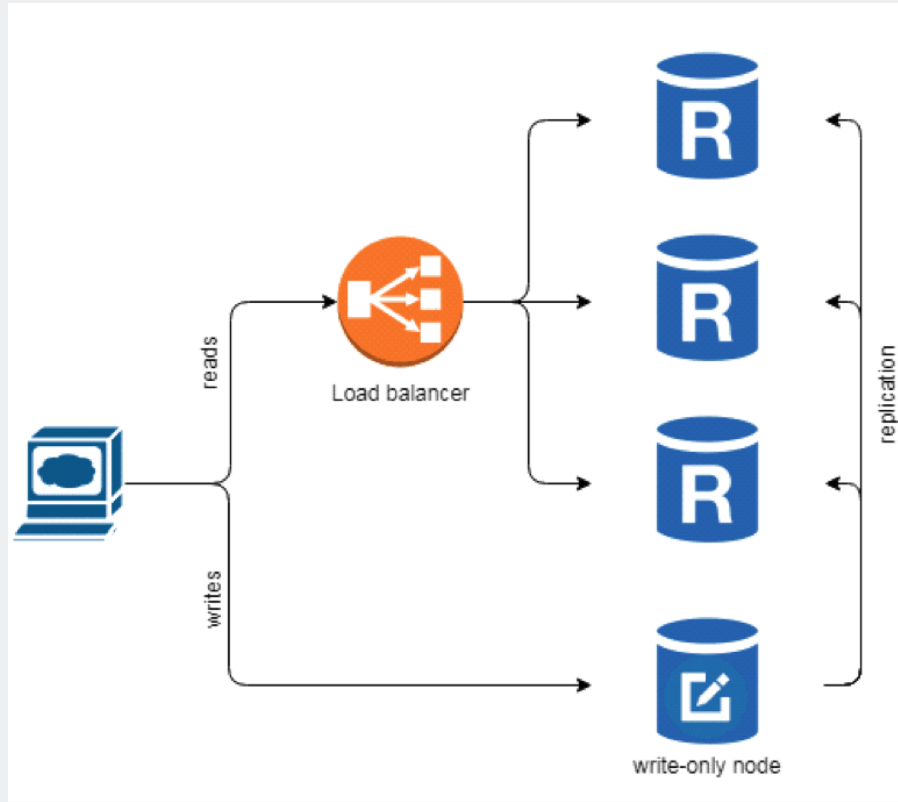
Load Balancer



High Availability Cluster



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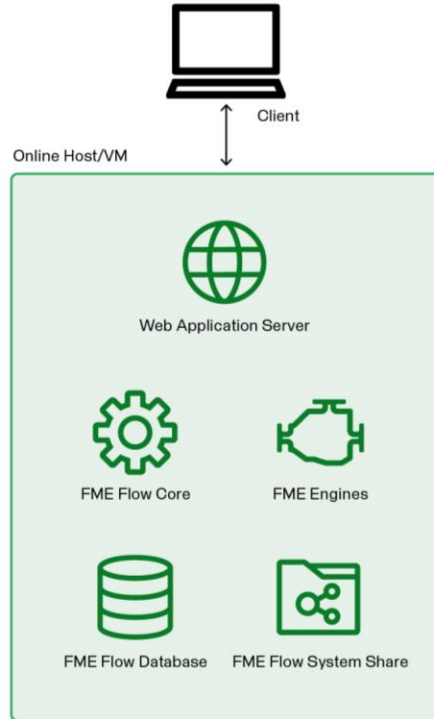
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What does this look like in FME?



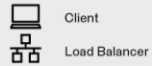


## FME Flow Components

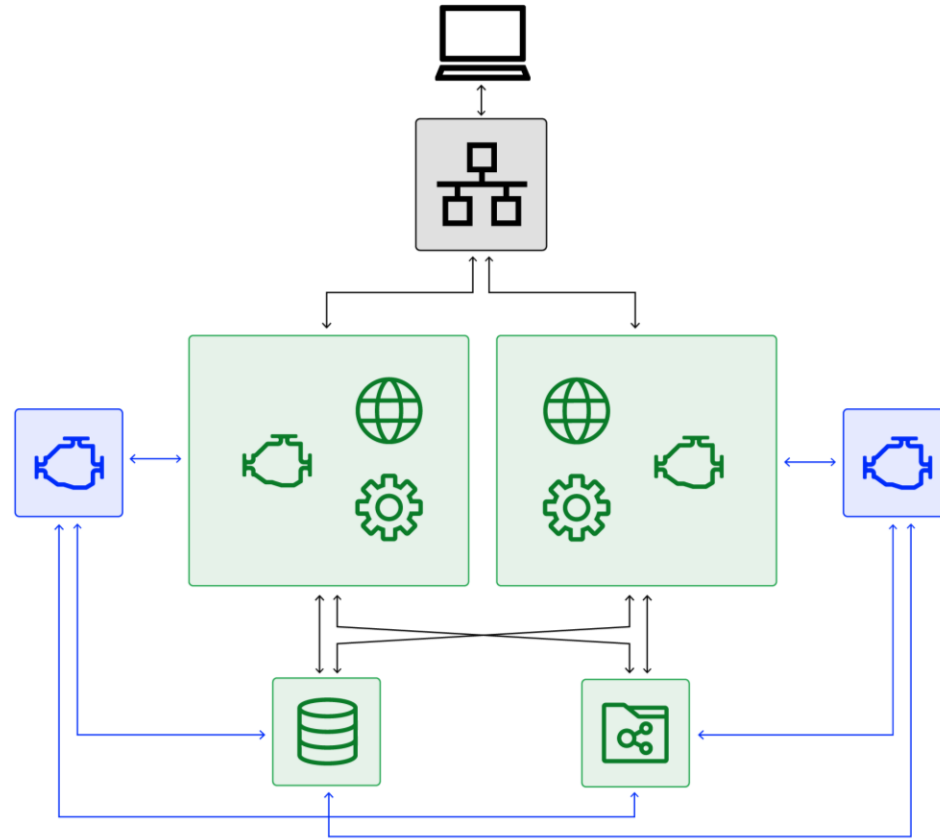
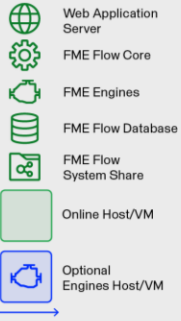


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## Legend



### FME Flow Components



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Why would I want this?



# Why would I want this?

- Reliable and flexible
  - Spread your system over multiple locations
- Improved performance
  - Multiple machines running concurrent tasks
- Have machines close to data
  - Distributed engines

# Considerations

- Where is my data?
- Are other components in the system also HA?
  - Database
  - File system
- Supports business disaster recovery



# Thank you!

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