



# Distributed In Memory Cache with Yakari

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#opensource

*E. Faruk Pehlivanli*

# Who am I?



- E. Faruk Pehlivanlı
- Full time father, husband and Enterprise Software Consultant @ kloia.com
- 15+ year experience, still learning...
- I love learning and building new stuff...
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# Everything is Simple



*Everything is simple, as exactly, as you think...*

# Today's Agenda:



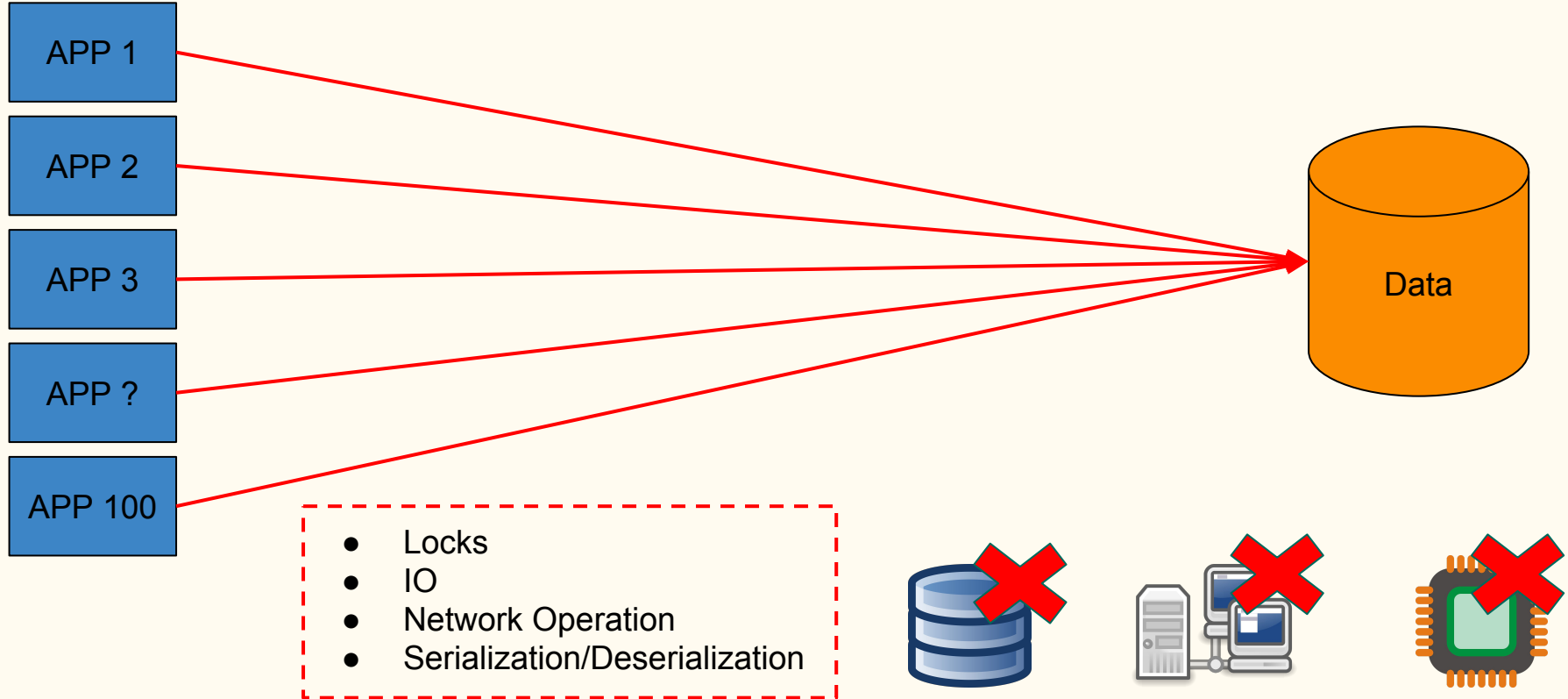
- Caching Concepts & Scenarios Pros/Cons
- Concept of Yakari (Distributed In Memory Cache)
- Demonstration: [ docker + dotnetcore + yakari ]
- Road Map
- Questions

# Caching Concepts & Scenarios Pros/Cons

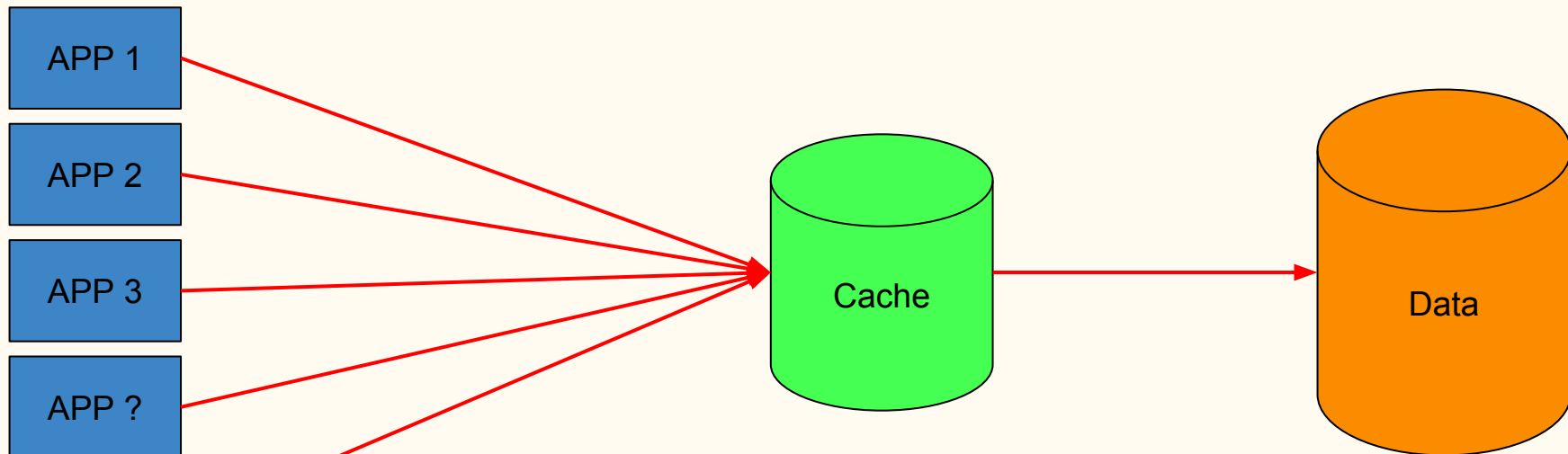


- In Memory Cache
- Centralized Cache
- Distributed Cache

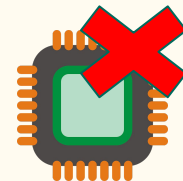
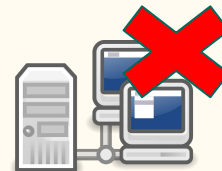
# In Memory Cache



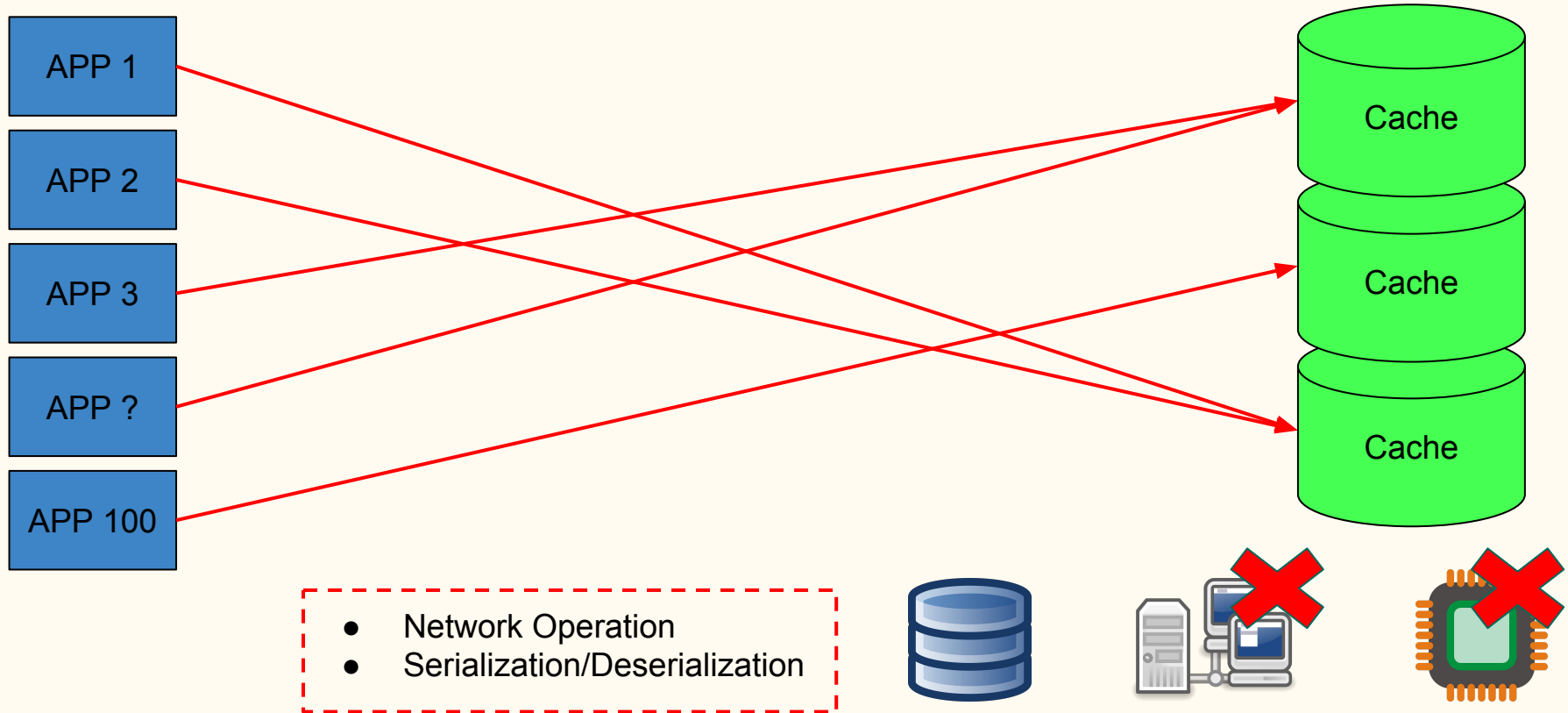
# Centralized Cache



- Network Operation
- Serialization/Deserialization

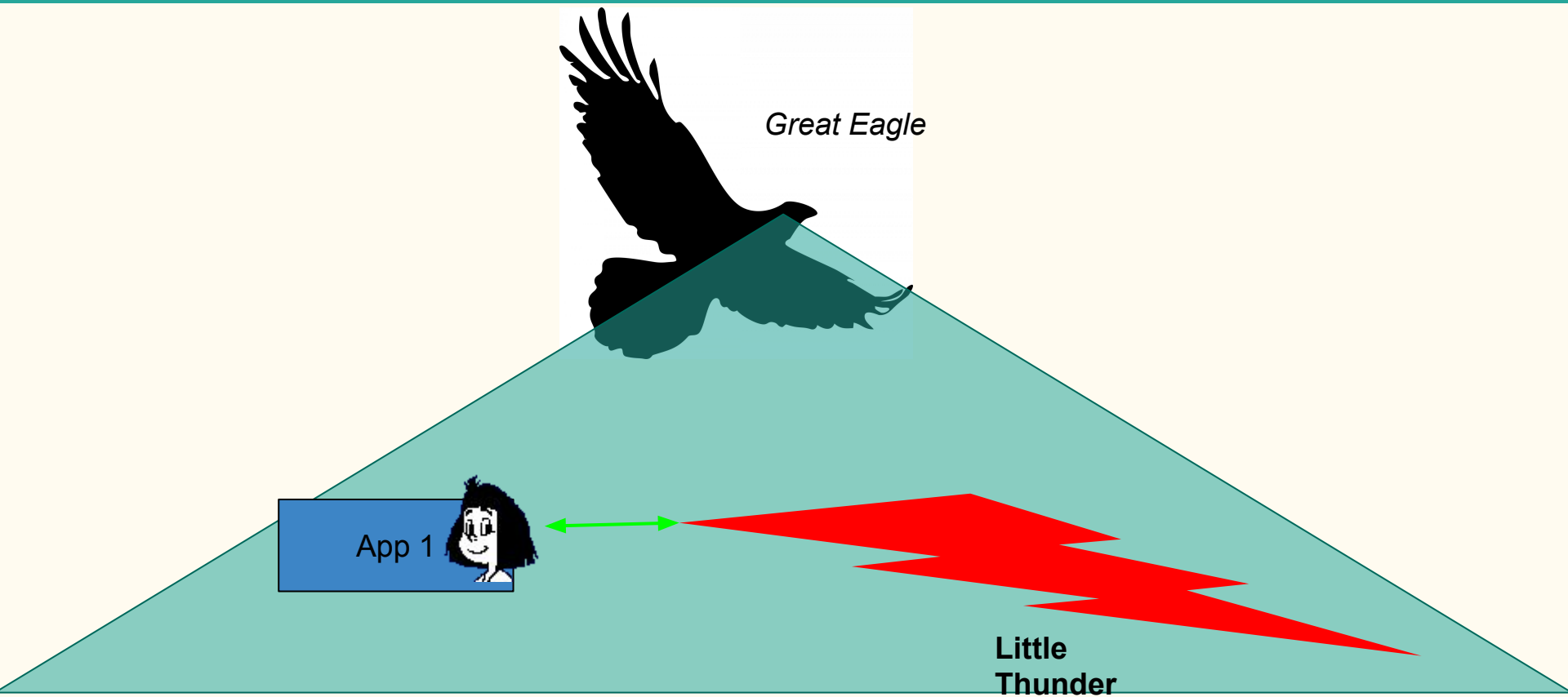


# Distributed Cache





# Concept of Yakari (Distributed In Memory Cache)



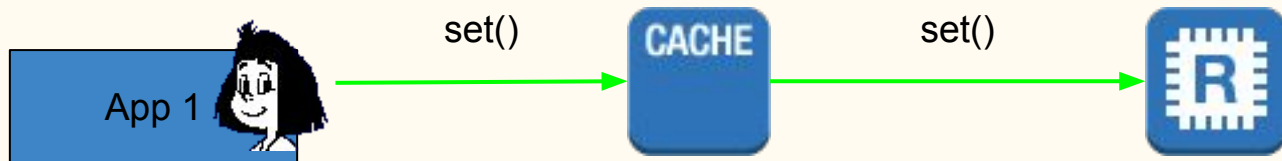
# Concept of Yakari: An Operation



*Great Eagle*

Hey Tribe, App 1 setting temp-@key right now, so wait for it.

Hey Tribe, App 1 Set @key, come and get it.



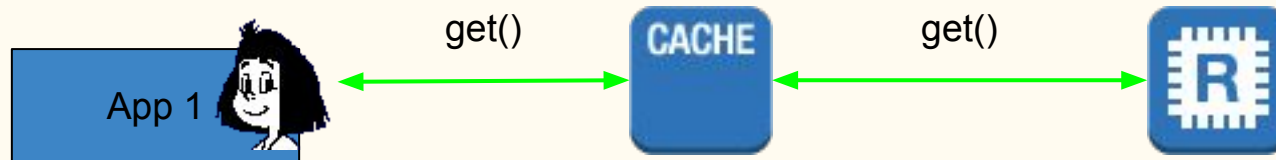
# Concept of Yakari: A Get Operation



*Great Eagle*

There is no @key? Wait for TimeSpan, i will check the fountain.

Here it is, you can keep going...



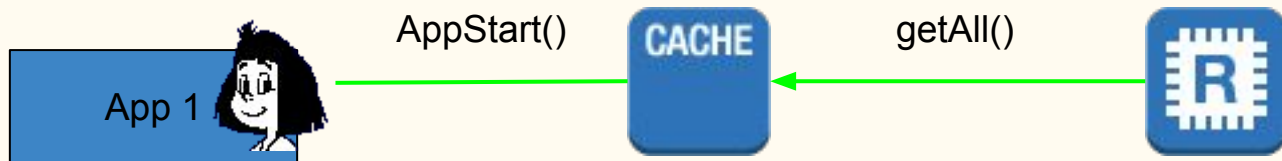
# Concept of Yakari: A New Member Join The Tribe



*Great Eagle*

Hey, wait for a while, you can have your ancestors memories...

You know everything now...

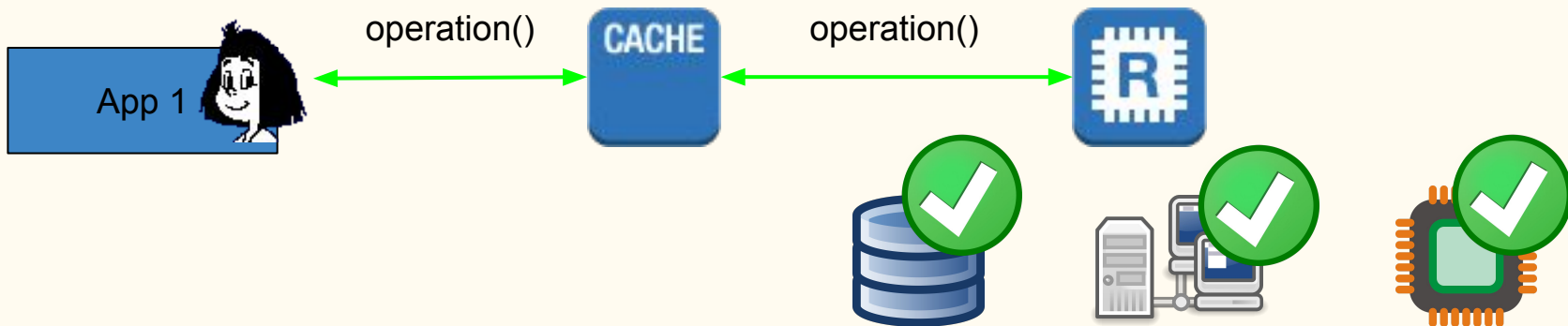


# Concept of Yakari

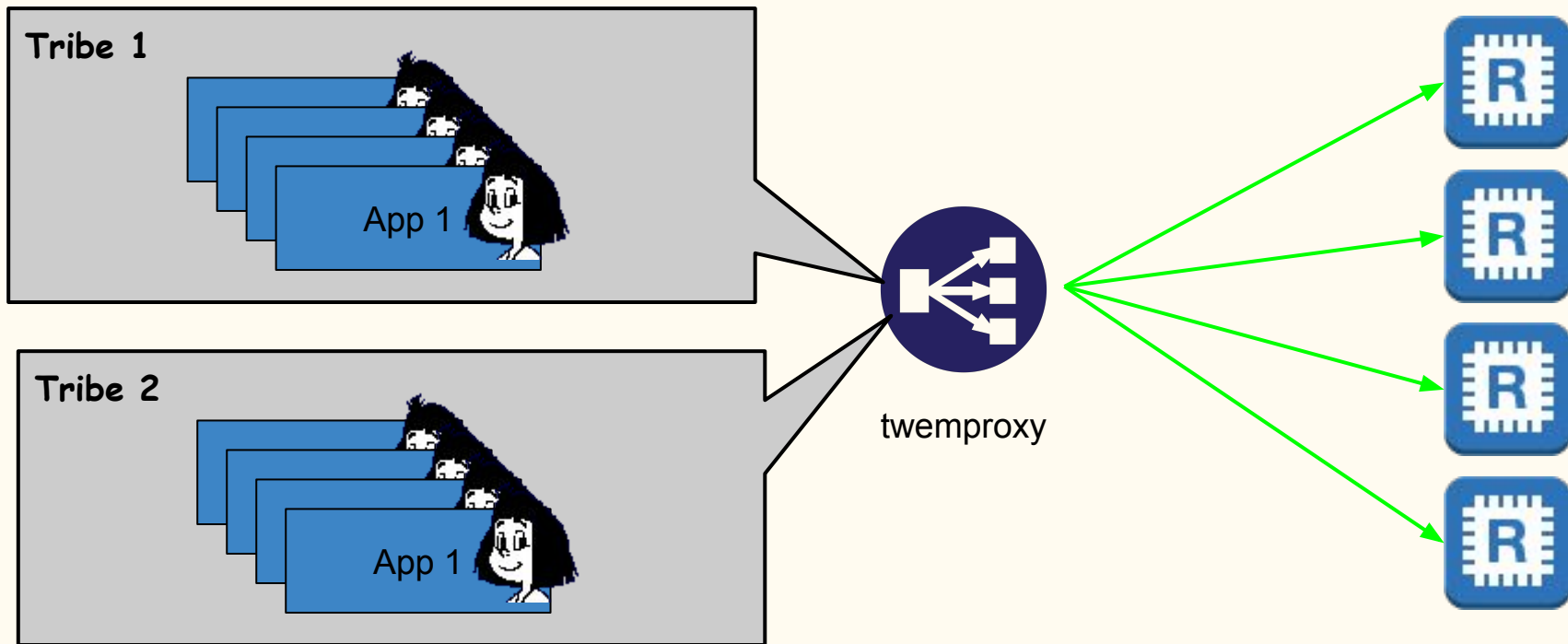


*Great Eagle*

Just single network operation  
Just single serialization /  
deserialization



# Recommended Architecture

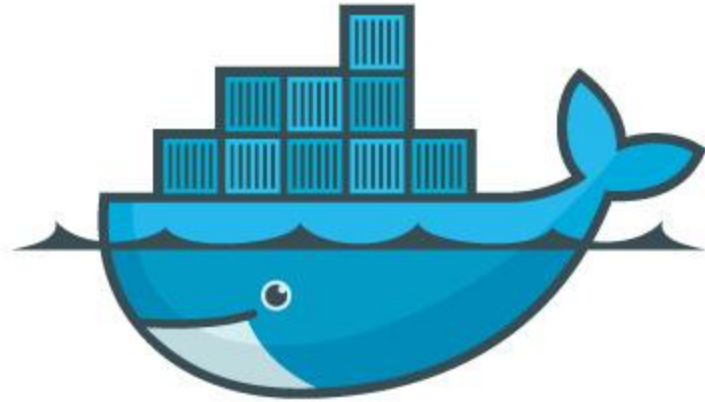


# Before Demo



- docker
- dotnet-core

docker



docker



# dotnet-core



# Demonstration



*Loading please wait...*

# Yakari: Road Map



- Cache Groups
- Memory Management
- Dependency Support (under investigation)
- Enterprise Support!
- Feature Requests ?

# Questions

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*Thank you for your time...*

*E. Faruk Pehlivanli*