

JUDCon

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Building a Transactional, Scaled Application Using Infinispan and Java EE

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Agenda

- What is Infinispan?
- Build the application

Application setup

Download or Git Clone

Download lab zip from:

<https://github.com/galderz/infinispan-labs/zipball/master>

Or, if you use Git, clone from:

```
git clone git://github.com/galderz/infinispan-labs.git
```

Requires JBoss AS 7.1.0.CR1b

Checkout a Checkpoint

Each stage of this lab has a checkpoint branch. You can check out each via:

```
git checkout checkpointX
```


Introducing Infinispan

What is Infinispan?

An in-memory, highly available, elastic, and open source (LGPL) data grid platform

Infinispan can be used as...

Local in-memory cache

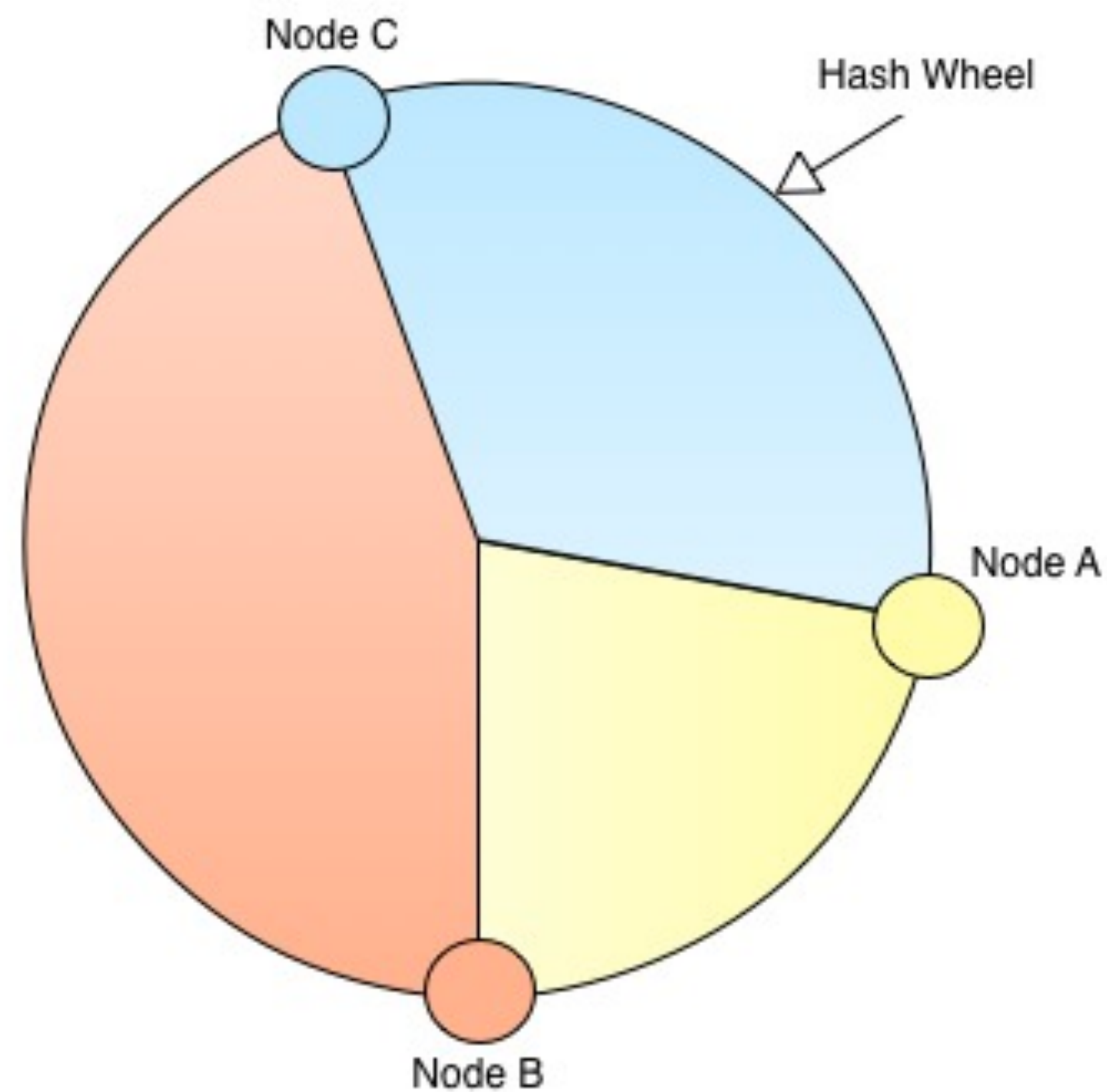
Boost performance caching data which is hard to calculate or expensive to retrieve

Temporary cache

Store information **temporarily**,
clustered if necessary for
failover and scalability

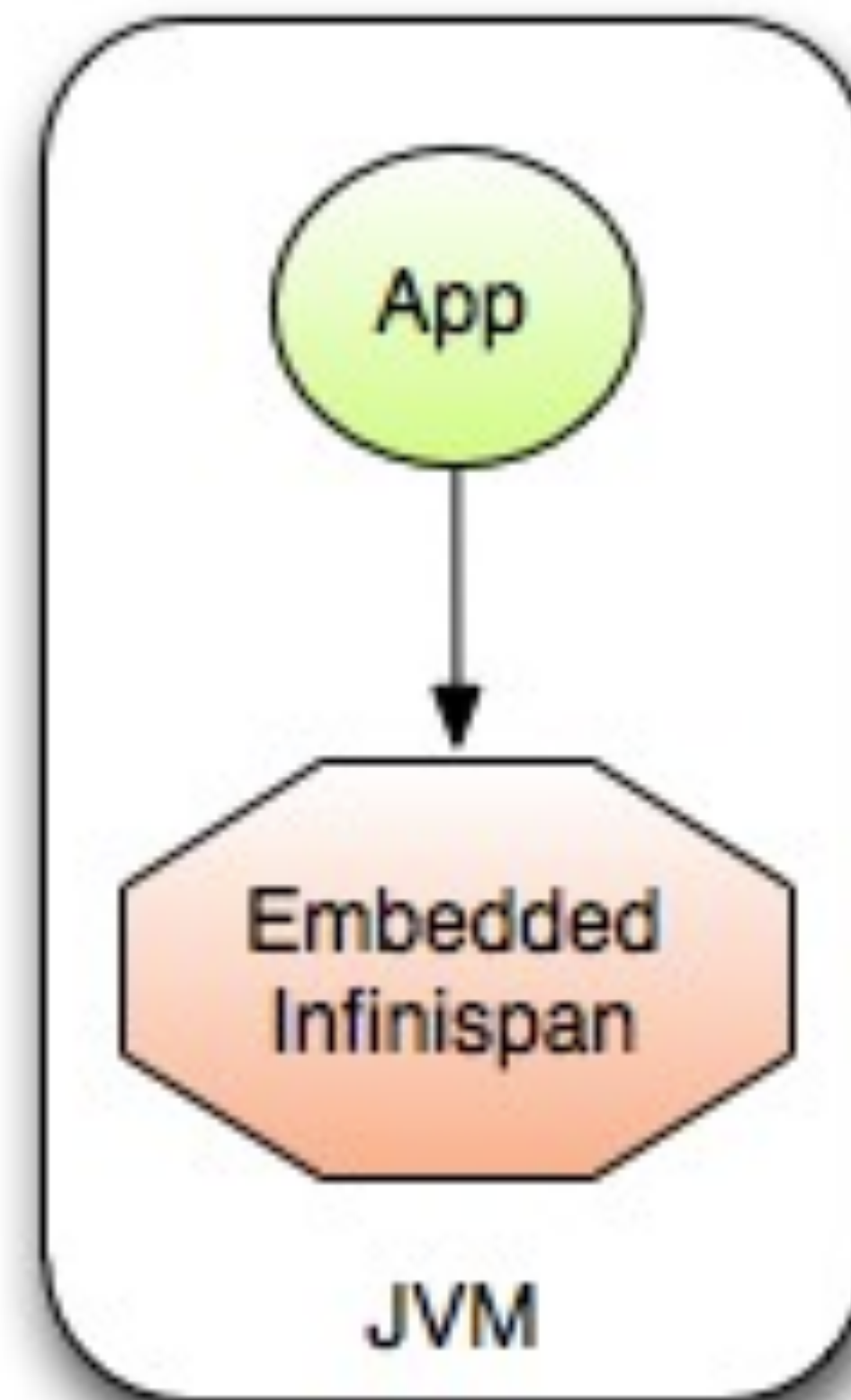
Let's build the app...

Consistent Hashing

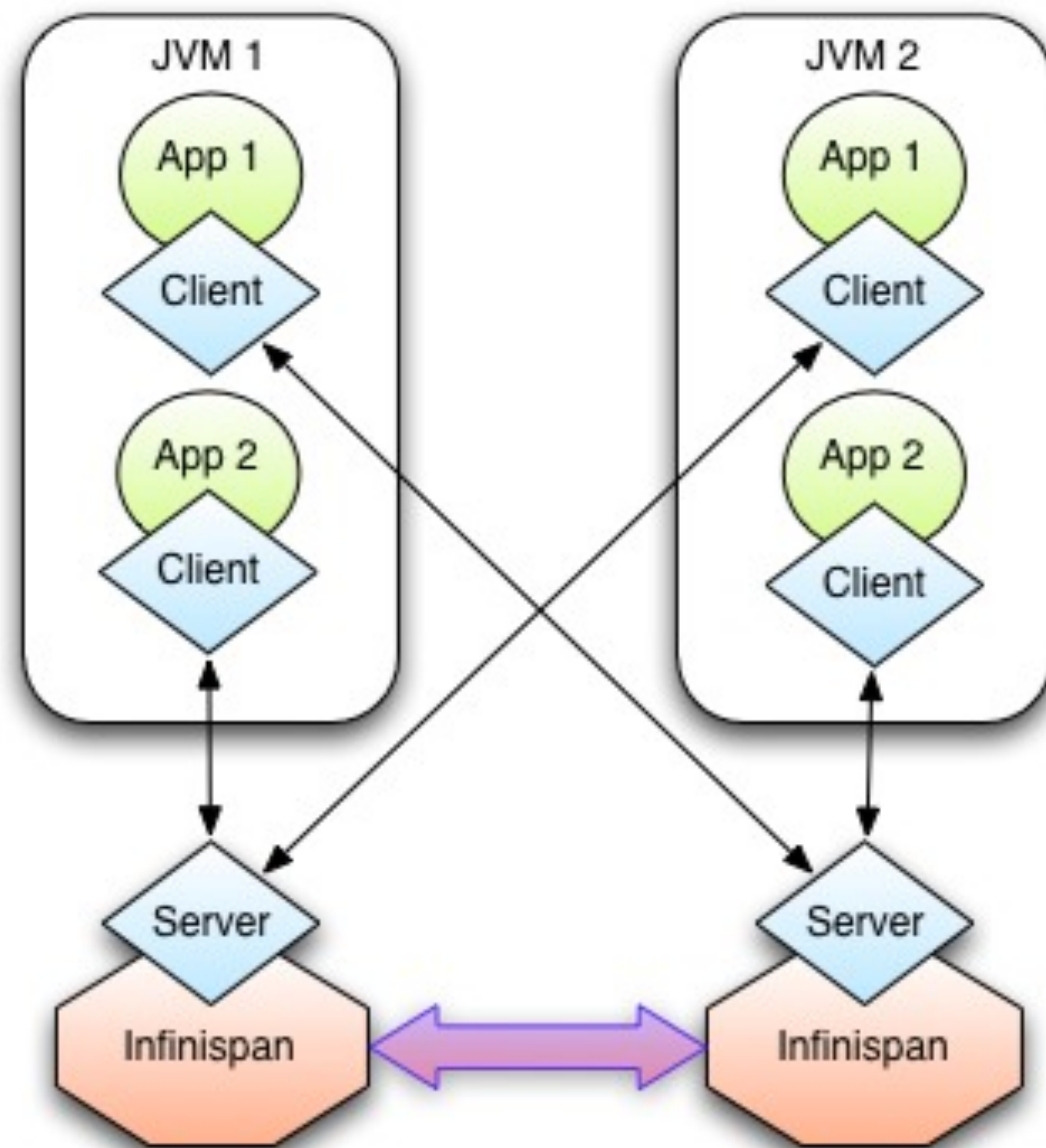


Embedded access

- Client application and Infinispan live in same JVM
- **Zero Latency Access!**



Remote Access



- Via protocols :
 - REST
 - Hot Rod

Summary

Infinispan can act as a fast, powerful temporary cache, with entries stored temporarily

Summary

Infinispan caches can be plugged with listeners

Summary

Integrates with CDI, and
supports partial cluster-wide
replication

Summary

Infinispan is accessible
in-VM (embedded) or
remote (client/server)

Summary

Finally, Infinispan can be plugged with persistent storage

Questions

<http://infinispan.org>

<http://blog.infinispan.org>

<http://twitter.com/infinispan>

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