

Using JCache Annotations & Administering Your Caches



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Overview



JCache Annotations

- CacheDefaults
- CachePut
- CacheResult
- CacheRemove
- CacheRemoveAll

Cache Statistics

JMX Administration



Using JCache Annotations



JCache Annotations

Annotations provide an additional API for interacting with caches. Annotations are provided only for the most commonly used cache methods.



Specification Implementers

Main JCache Spec

EHCache

Coherence

EHCache

JCache Annotations

Spring

CDI

Google Guice



Viewing Cache Statistics & Management Options





Statistical Information

- Gets
- Puts
- Removals
- Expiries



Management Information

- Key / Value Types
- Read Through / Write Through Caching
- Statistics Enabled
- Management Enabled
- Relates closely to MutableConfiguration

Course Summary



Review



JCache History & Possible Use Cases

“Hello JCache” – Standalone application

- Showed basic building blocks

Possible Real World Configuration

- Spring Boot application

Basic JCache API Methods

- Locking & concurrency Issues

Review



Read / Write Through Caching

- CacheLoaders & CacheWriters
- Used with any backing data store

Listening for Events

- Listener registration
- Filter unwanted events

Entry Processors

- Atomically & efficiently interact with data

Review



JCache Annotations

- Quickly annotate code for common caching needs

Viewing Cache Statistics

Managing Caches via JMX



Thank You!



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