# Building Your First JCache Application



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### Overview



**DEMO: "Hello JCache"** 

#### **Basic Building Blocks**

- CachingProvider
- CacheManager
- MutableConfiguration
- Cache



### Demo



"Hello JCache"



## **Building Blocks**



CachingProvider provider = Caching.getCachingProvider();

Getting the Default CachingProvider



# CachingProvider

"A CachingProvider defines the mechanism to establish, configure, acquire, manage and control zero or more CacheManagers. An application may access and use zero or more CachingProviders at runtime."



```
CachingProvider provider = Caching.getCachingProvider();
CacheManager manager = provider.getCacheManager();
```

Getting the Default CacheManager



## CacheManager

"A CacheManager defines the mechanism to establish, configure, acquire, manage and control zero or more uniquely named Caches all within the context of the CacheManager. A CacheManager is owned by a single CachingProvider."



### Configuration



Declarative Configuration (Not defined in the specification)



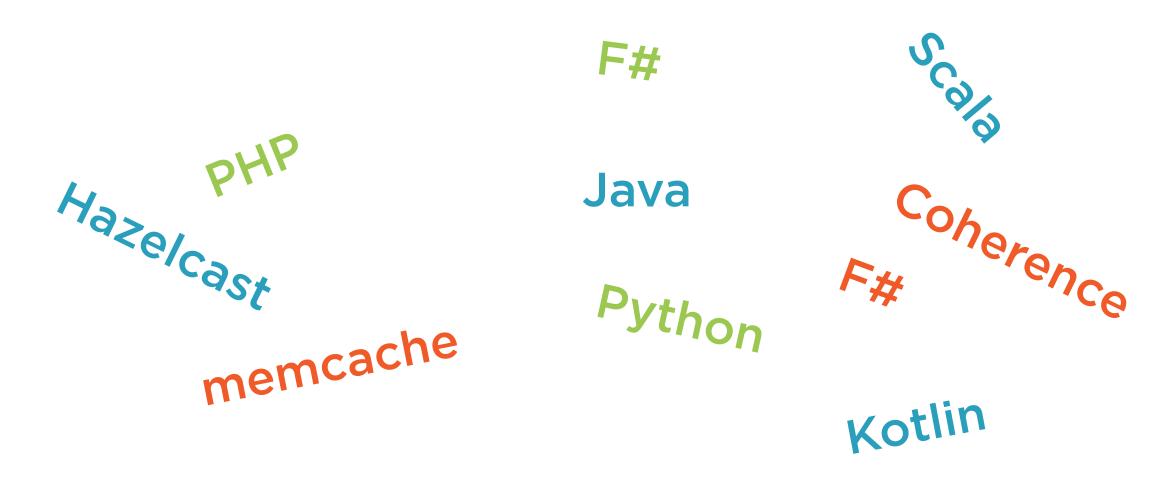
Programmatic Configuration (Defined in the specification)



Creating the MutableConfiguration



## Other APIs & Languages



Creating the Cache



## Cache vs Map

Property	Мар	Cache
Null keys and values	Allowed	Not Allowed
Expiration	Not defined	Supported
Eviction	Not defined	Supported
Store by value	Not defined	Supported



#### Review



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