

Caching Web Requests with Java Web Cache

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Agenda

- Quick Cacheonix intro
- Web cache in 5 min
- Best practices
- Q&A



БАЙКОНУР

Quick Cacheonix Intro

Cacheonix:

- Open source Java cache
- Local and distributed cache options
- Web cache, Hibernate, PrimeFaces and more
- E-mail: simeshev@cacheonix.org
- <https://github.com/cacheonix/cacheonix-core>

Web Cache Benefits

- Improved web app performance:
 - Less regenerating expensive content
 - Reduced network traffic
- Improved scalability:
 - Avoid scalability bottlenecks
 - Reduced DB load



Java Web Cache in 5 Min

1. Add Cacheonix to your Maven project:

```
<dependency>  
  <groupId>org.cacheonix</groupId>  
  <artifactId>cacheonix-core</artifactId>  
  <version>2.3.0</version>  
</dependency>
```

2. Add caching filter to your web.xml:

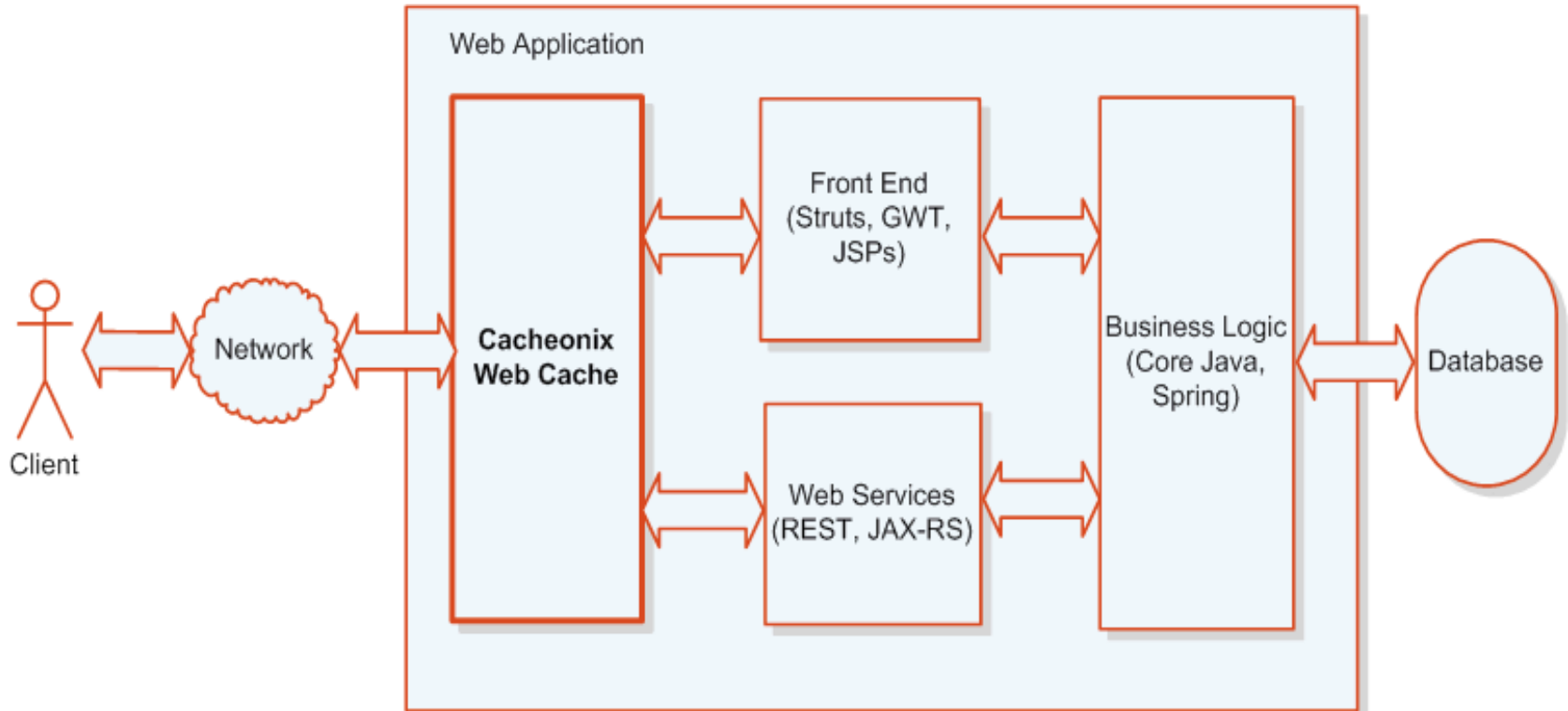
```
<filter>  
  <filter-name>CacheonixWebCache</filter-name>  
  <filter-class>org.cacheonix.cache.web.RequestCacheFilter</filter-class>  
</filter>  
  
<!-- ... -->  
  
<filter-mapping>  
  <filter-name>CacheonixWebCache</filter-name>  
  <url-pattern>*.htm</url-pattern>  
</filter-mapping>
```

3. Done!

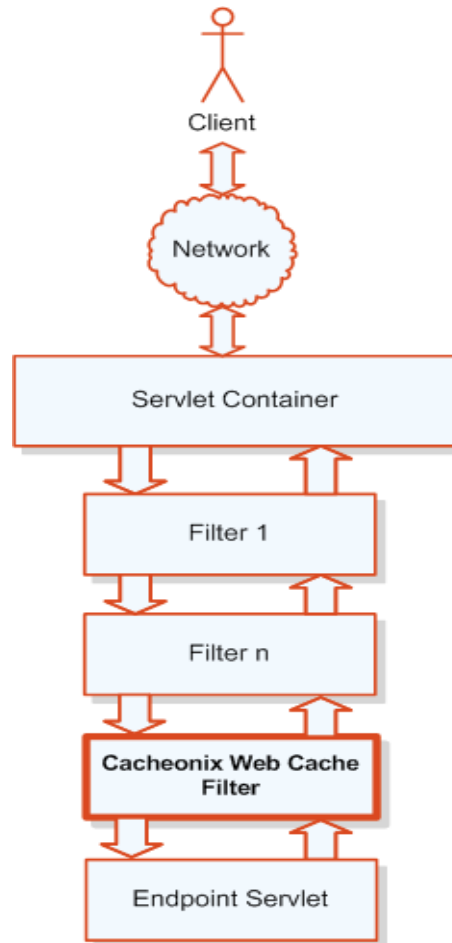
Web Cache Capabilities

- **Basic capabilities:**
 - Drop-in caching servlet filter
 - Configurable LRU cache
- **Advanced capabilities:**
 - Automatic response compression
 - Client-side cache headers

Front-end Cache



Servlet Filter Order





Best Practices

What to cache:

- dynamic
- costly,
- read-mostly content

How much:

- The more the better
- Max 50% of JVM heap

Q&A

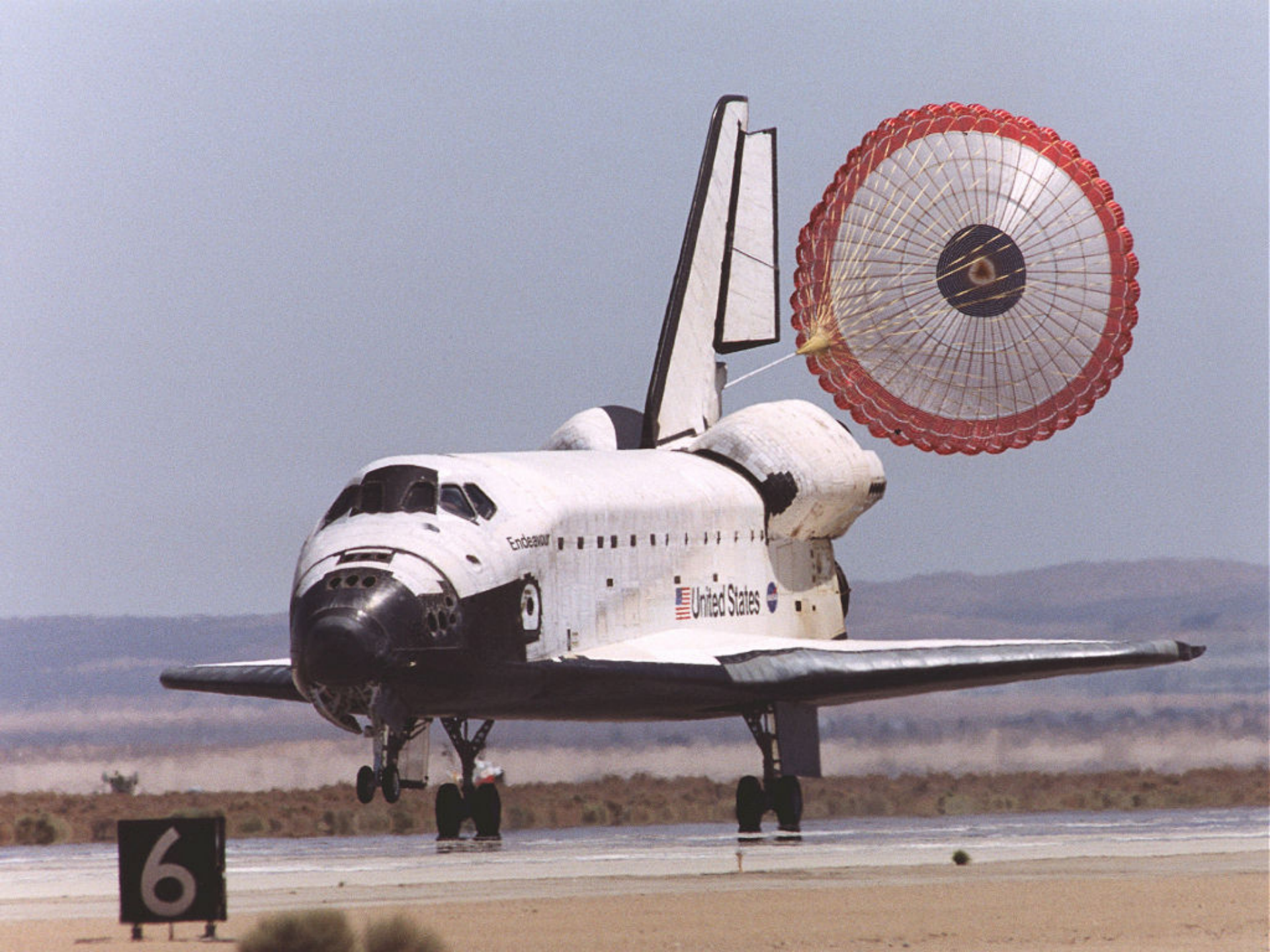
More questions? Visit Cacheonix wiki:
[http://wiki.cacheonix.org/display/CCHNX20/
Cacheonix+Web+Cache](http://wiki.cacheonix.org/display/CCHNX20/Cacheonix+Web+Cache)

We are looking for contributors!

- Extensive roadmap!
- Code for fun!
- Increase GitHub exposure!

Contact me today!

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Endeavour

United States

6