Introduzione a

JAKARTA EE

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JUG Day Trento 2018

Cronologia

Standard Edition

- JDK Beta (1994)
- JDK 1.0 (1996)
- JDK 1.1 (1997)
- J2SE 1.2 (1998)
- J2SE 1.3 (2000)
- J2SE 1.4 (2002)
- J2SE 5.0 (2005)
- Java SE 6 (2006)
- Java SE 7 (2011)
- Java SE 8 (2014)
- Java SE 9 (2017)
- Java SE 10 (2018)

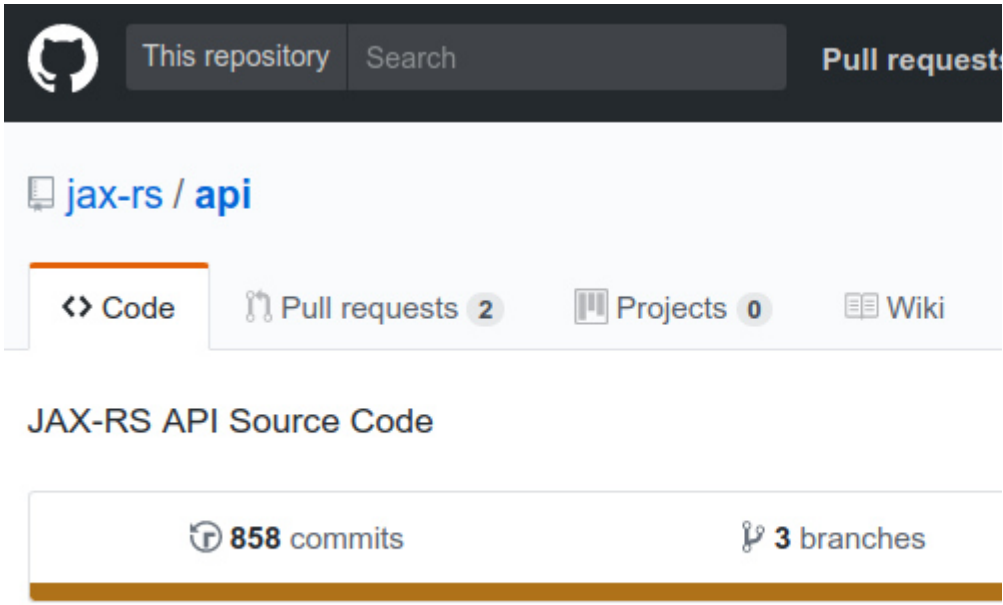
Enterprise Edition

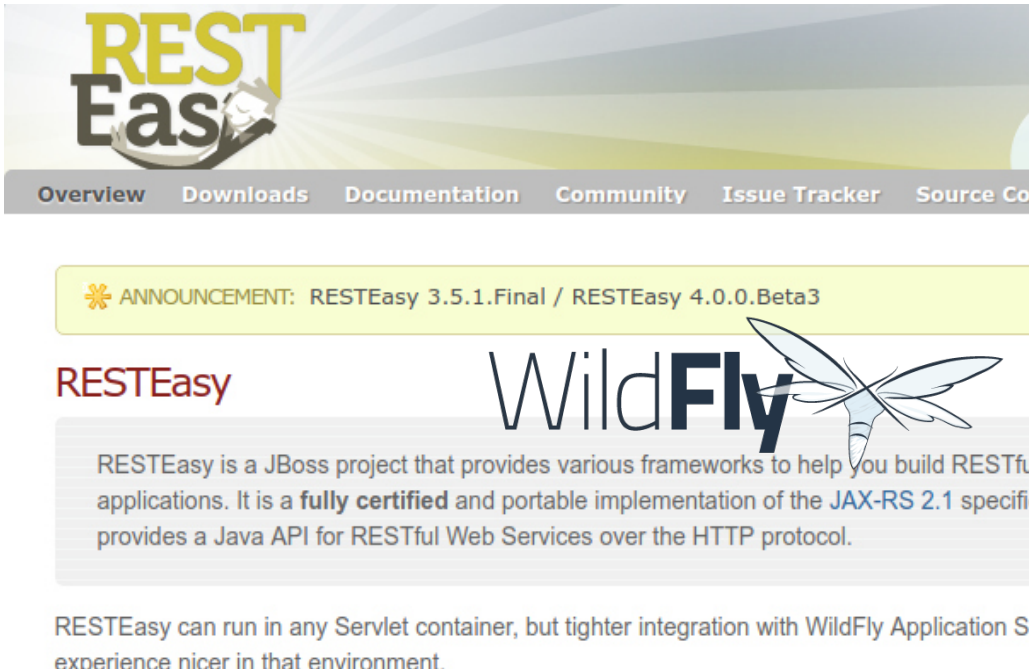
- J2EE 1.2 (1999)
- J2EE 1.3 (2001)
- J2EE 1.4 (2003)
- Java EE 5 (2006)
- Java EE 6 (2009)
- Java EE 7 (2013)
- Java EE 8 (2017)
- Jakarta EE (2018)

Un esempio: JAX-RS

```java
@Path("hello")
public class HelloWorldResource {

    @GET
    @Produces(MediaType.TEXT_PLAIN)
    public String getText() {
        return "Hello world!";
    }
```





Java™ EE 8 Technologies

Learn more about the technologies that comprise the Java EE 8 platform using the specifications, and then apply them with the Java EE 8 SDK.

Specification downloads are the final releases. Please check the individual JSR pages for download updates such as maintenance releases.

Java EE 8 Technologies			
Technologies	**JSR**	**Download**	**Web Profile**
Java EE Platform			
Java Platform, Enterprise Edition 8 (Java EE 8)	JSR 366	Download spec	
Web Application Technologies			
Java API for WebSocket 1.1	JSR 356	Download spec	✓
Java API for JSON Binding 1.0	JSR 367	Download spec	✓
Java API for JSON Processing 1.1	JSR 374	Download spec	✓
Java Servlet 4.0	JSR 369	Download spec	✓
JavaServer Faces 2.3	JSR 372	Download spec	✓
Expression Language 3.0	JSR 341	Download spec	✓
JavaServer Pages 2.3	JSR 245	Download spec	✓
Standard Tag Library for JavaServer Pages (JSTL) 1.2	JSR 52	Download spec	✓
Enterprise Application Technologies			
Batch Applications for the Java Platform 1.0	JSR 352	Download spec	
Concurrency Utilities for Java EE 1.0	JSR 236	Download spec	
Contexts and Dependency Injection for Java 2.0	JSR 365	Download spec	✓
Dependency Injection for Java 1.0	JSR 330	Download spec	✓
Bean Validation 2.0	JSR 380	Download spec	✓
Enterprise JavaBeans 3.2	JSR 345	Download spec	✓
Interceptors 1.2	JSR 318	Download spec	✓
Java EE Connector Architecture 1.7	JSR 322	Download spec	
Java Persistence 2.2	JSR 338	Download spec	✓
Common Annotations for the Java Platform 1.3	JSR 250	Download spec	✓
Java Message Service API 2.0	JSR 343	Download spec	
Java Transaction API (JTA) 1.2	JSR 907	Download spec	✓
JavaMail 1.6	JSR 919	Download spec	
Web Services Technologies			
Java API for RESTful Web Services (JAX-RS) 2.1	JSR 370	Download spec	✓
Implementing Enterprise Web Services 1.3	JSR 109	Download spec	
Web Services Metadata for the Java Platform 2.1	JSR 181	Download spec	
Java API for XML-Based RPC (JAX-RPC) 1.1 (Optional)	JSR 101	Download spec	
Java API for XML Registries (JAXR) 1.0 (Optional)	JSR 93	Download spec	
Management and Security Technologies			
Java EE Security API 1.0	JSR 375	Download spec	✓
Java Authentication Service Provider Interface for Containers 1.1	JSR 196	Download spec	✓
Java Authorization Contract for Containers 1.5	JSR 115	Download spec	
Java EE Application Deployment 1.2 (Optional)	JSR 88	Download spec	
J2EE Management 1.1	JSR 77	Download spec	
Debugging Support for Other Languages 1.0	JSR 45	Download spec	✓
Java EE-related Specs in Java SE			
Java Management Extensions (JMX) 2.0	JSR 3	Download spec	
SOAP with Attachments API for Java (SAAJ) Specification 1.3	JSR 67	Download spec	
Streaming API for XML (StAX) 1.0	JSR 173	Download spec	
Java API for XML Processing (JAXP) 1.6	JSR 206	Download spec	
Java Database Connectivity 4.0	JSR 221	Download spec	
Java Architecture for XML Binding (JAXB) 2.2	JSR 222	Download spec	
Java API for XML-Based Web Services (JAX-WS) 2.2	JSR 224	Download spec	
JavaBeans Activation Framework (JAF) 1.1	JSR 925	Download spec	

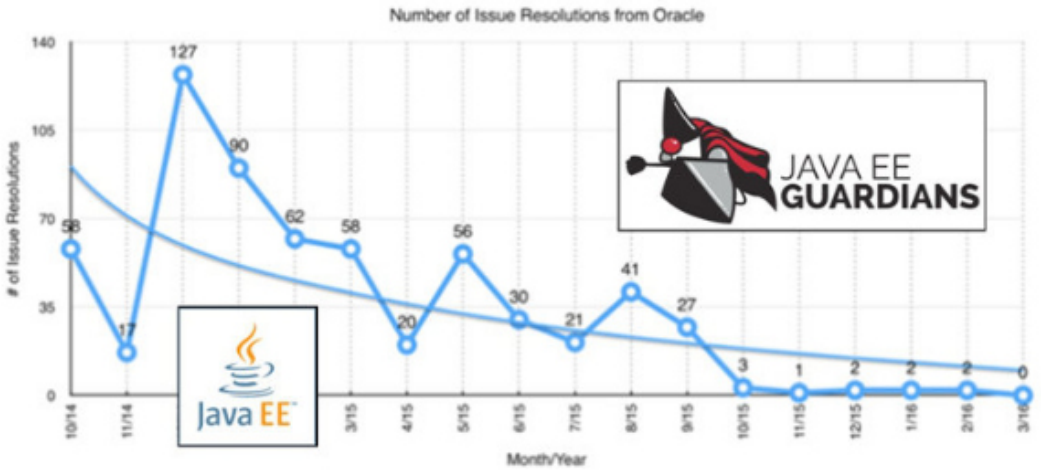
JSR

Java Specification Request

Final release:

- Documento delle specifiche
- API
- Implementazione di riferimento (RI)
- Technology Compatibility Kit (TCK)

Tell Oracle to Move Forward Java EE as a Critical Part of the Global IT Industry



Vittoria

Questa petizione ha creato un cambiamento con 3.970 sostenitori!

Larry Ellison: Tell Oracle to Move Forward Java EE as a Critical Part...

Aggiungi un messaggio personale (opzionale)

Pubblica su Facebook

Invia un messaggio di Facebook

Java EE Guardians ha lanciato questa petiz
Chairman and CTO, Oracle e a 4 altri/altre

This petition was created by the
group of people and organizatior
Oracle's current lack of commitm
everything we can to preserve th
community and the global IT ind
together – *including Oracle* – we
for Java, Java EE and server-side computing.

There is growing evidence that Oracle is conspicuously neglecting Java EE, weakening a very broad ecosystem that depends on strong Java EE development. Almost all work from Oracle on Java EE has ceased for more than six months with no end to the inactivity in sight. Unless things change soon Java EE 8 won't be delivered in anywhere near the time when it was initially promised if it is delivered at all.

COMMUNITY, JAVAEE | Thursday, August 17, 2017

https://blogs.oracle.com/theaquarium/opening-up-java-ee

Opening Up Java EE

By: David Delabassee | Software Evangelist

We continue to make great progress on Java EE 8. Specifications are nearly complete, and we expect to deliver the reference implementation this summer. As we approach the delivery of Java EE 8 and the JavaOne 2017 conference, we believe there is an opportunity to rethink how Java EE is developed in order to make it more agile and responsive to changing industry and technology demands.

Java EE is enormously successful, with a competitive market of compatible implementations, broad adoption of individual technologies, a huge ecosystem of frameworks and tools, and countless applications delivering value to enterprises and end users. But although Java EE is developed in open source with the participation of the Java EE community, often the process is not seen as being agile, flexible or open enough, particularly when compared to other open source communities. We'd like to do better.

We are discussing how we can improve the Java EE development process following the delivery of Java EE 8. We believe that moving Java EE technologies including reference implementations and test compatibility kit to an open source foundation may be the right next step, in order to adopt more agile processes, implement more flexible licensing, and change the governance process. We plan on exploring this possibility with the community, our licensees and several candidate foundations to see if we can move Java EE forward in this direction.

Eclipse Enterprise for Java

Eclipse Enterprise for Java (EE4J) is an open source initiative to create standard APIs, implementations of those APIs, and technology compatibility kits for Java runtimes that enable development, deployment, and management of server-side and cloud-native applications. EE4J is based on the Java™ Platform, Enterprise Edition (Java EE) standards, and uses Java EE 8 as the baseline for creating new standards.

The mission of Eclipse EE4J is to create standard APIs, implementations of those APIs, and technology compatibility kits for Java runtimes that enable development, deployment, and management of server-side and cloud-native applications. EE4J is based on the Java EE standards, and uses Java EE 8 as the baseline for creating new standards.

EE4J enables the use of nimble processes, flexible licensing, and an open governance process for evolution of the platform. An open process, that is not dependent on a single vendor or lead, encourages participation and innovation, and serves the collective interests of the entire community.

Jakarta EE

The New Home of Cloud Native Java

Powered by participation, Jakarta EE is focused on enabling community-driven collaboration and open innovation for the cloud.

Jakarta EE Working Group | Stay Connected

Strategic Members

FUJITSU IBM ORACLE payara redhat Tomitribe

Participating Members

DOCDOKU Genuitec IncQueryLabs Lightbend Microsoft Pivotal SAP

vaadin webtide

Altre novità...

- JAX-RS Reactive client API
- Java API for JSON Binding (JSON-B)
  - Prima c'era solo Java API for JSON Processing (JSON-P)
- Eclipse Microprofile