

JBoss JCA

An overview of the Simple JCA Container (SJC)

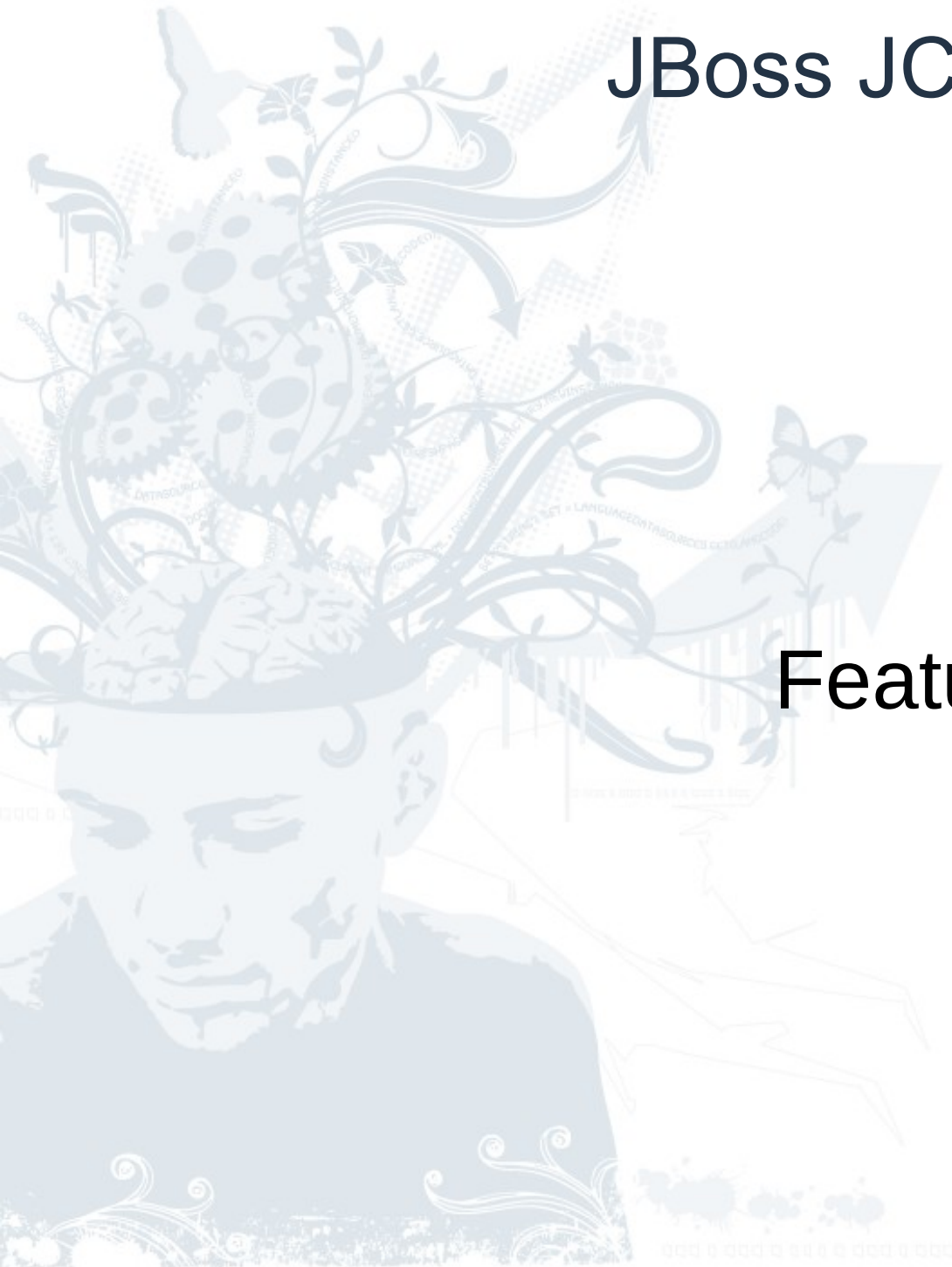
The JBoss logo, featuring the word "jboss" in a lowercase, sans-serif font, with ".org" in a larger, bold, lowercase, sans-serif font below it. The ".org" part has a textured, splattered appearance. The logo is set against a background of faint, stylized illustrations including a butterfly, a bird, and a classical bust.

JBoss JCA / SJC

- Features
- Result
- Links

JBoss JCA / SJC

Features



JBoss JCA / SJC - Features

- Compatible with sub-set of the JBoss Microcontainer configuration
 - <bean>
 - <property>
 - <inject>
 - <constructor>
 - <parameter>
- Single boot.xml file
 - Beans are started in the order they appear

JBoss JCA / SJC - Features

- Support for lifecycle operations
 - create
 - start
 - stop
 - destroy
- Variable substitution in boot.xml
 - `${jboss.jca.home}`
 - `${jboss.jca.address:localhost}`

JBoss JCA / SJC - Features

- Classloading (3 levels)
 - AppCL – Kernel
 - URLCL – Container libraries
 - DeploymentCL – User deployment
- Deployment framework
 - Deployer (Interface)
 - Deployment (Interface)
 - DeployException (Exception)

JBoss JCA / SJC - Features

- Support libraries
 - Annotation scanner
 - JAR file handling
 - Naming contexts
- Complexity
 - Kernel: 1021 LoC
 - Deployment framework: 134 LoC

JBoss JCA / SJC

Result



JBoss JCA / SJC - Result

- Boots the standalone JCA container
 - Logging
 - Remotable naming server
 - Transaction manager
 - JCA implementation
 - Resource adapter deployer
- 1245ms
 - On Intel Dual T7500 @ 2.20GHz
 - 5400RPM disk

JBoss JCA / SJC - Links

- <http://www.jboss.org/jca>
- <http://docs.jboss.org/jca/developer/guide/en/html/>
 - Chapter 8.2
- Or wait for 1.0.0.Alpha2 – July 30th, 2009