

Bean Types

T **@Entity**(name="", access=[PROPERTY, FIELD], entityType=[CMP, BMP], version=3)

Callbacks

T **@EntityListeners**(Class[] value)

T **@ExcludeDefaultListeners**

T **@ExcludeSuperclassListeners**

Me **@PrePersist**

Me **@PostPersist**

Me **@PreRemove**

Me **@PostRemove**

Me **@PreUpdate**

Me **@PostUpdate**

Me **@PostLoad**

Queries

TM **@FlushMode**(value=[COMMIT, AUTO, NEVER])

PTM **@NamedQuery**(name="", queryString, resultType, ejbInterfaceType[LOCAL, REMOTE])

PTM **@NamedQueries**(NamedQuery[] value)

T **@NamedNativeQuery**(String query, name="", QueryHint[] hints={}, resultClass=void.class, resultSetMapping="")

T **@NamedNativeQueries**(NamedNativeQuery[] value)

@QueryHint(String name, String value)

ResultSetMapping

TM **@SqlResultSetMapping**(String name, EntityResult[] entities={}, ColumnResult[] columns={})

@EntityResult(String name, FieldResult[] fields = {})

@FieldResult(String name, column)

@ColumnResult(String name)

Object-Relational-Mapping

T **@Table**(name="", catalog="", schema="", UniqueConstraint[]={}, specified=true)

T **@SecondaryTable**(name="", catalog="", schema="", JoinColumn[] join={}, UniqueConstraint[] uniqueConstraints={})

T **@SecondaryTables**(SecondaryTable[] value)

@UniqueConstraint(primary=false, String[] columnNames)

TMF **@Column**(name="", primaryKey=false, unique=false, nullable=true, insertable=true, updatable=true, columnDefinition="", secondaryTable="", length=255, precision=0, scale=0, specified=true)

TMF **@JoinColumn**(name="", referencedColumnName="", primaryKey="", unique=false, nullable=true, insertable=true, updatable=true, columnDefinition="", secondaryTable="")

TMF **@JoinColumns**(JoinColumn[] value)

TMF **@PrimaryKeyJoinColumn**(name="", referencedColumnName="", columnDefinition="")

T **@PrimaryKeyJoinColumns**(PrimaryKeyJoinColumn[] value={})

MF **@GeneratedValue**(generationType=[NONE, TABLE, SEQUENCE, IDENTITY, AUTO], generator="")

MF **@Id**

MF **@EmbeddedId**(AttributeOverride[]={})

TMF **@AttributeOverride**(name, Column[]={})

TMF **@AttributeOverrides**(AttributeOverride[] value)

TMF **@AssociationOverride**(name, JoinColumn={})

TMF **@AssociationOverrides**(AssociationOverride[] value)

T **@IdClass**

MF **@Basic**(fetch=[TIMESTAMP, DATE, TIME], optional=true)

MF **@Transient**

MF **@Version**

MF **@Lob**(fetch=[LAZY, EAGER], type=[BLOB, CLOB])

MF **@Enumerated**(value=[ORDINAL, STRING])

MF **@Temporal**(value=[TEMPORAL, DATE, TIME])

TMF **@PersistenceContext**(name="", unitName="", type=[TRANSACTION, EXTENDED], PersistenceProperty[] properties={})

T **@PersistenceContexts**(PersistenceContext[] value)

@PersistenceProperty(String name, String value)

TMF **@PersistenceUnit**(name="", unitName="")

T **@PersistenceUnits**(PersistenceUnit[] value)

Embedded Values

T **@Embeddable**

MF **@Embedded**(AttributeOverride[] override={})

Relations

MF **@ManyToOne**(targetEntity=void.class, cascade={ALL, MERGE, PERSIST, REFRESH, REMOVE}, fetch=[LAZY, EAGER], optional=true)

MF **@OneToOne**(targetEntity=void.class, cascade={...}, fetch=[...], optional=true, mappedBy="", usePKasFK=false)

MF **@OneToMany**(targetEntity=void.class, cascade={...}, fetch=[...], mappedBy="")

MF **@ManyToMany**(targetEntity=void.class, cascade={...}, fetch=[...], mappedBy="")

MF **@JoinTable**(name="", catalog="", schema="", JoinColumn[] joinColumns="", JoinColumn[] inverseJoinColumns={}, UniqueConstraint[] uniqueConstraints={})

MF **@OrderBy**(value="")

MF **@MapKey**(name="")

Inheritance

T **@Inheritance**(strategy=[SINGLE_TABLE, TABLE_PER_CLASS, JOINED], AttributeOverride[] inheritedAttributes={})

T **@DiscriminatorColumn**(name="DTYPE", discriminatorType=[STRING, CHAR, INTEGER], columnDefinition="", length=31)

T **@DiscriminatorValue**(String value)

T **@DiscriminatorColumn**(name="", nullable=false, columnDefinition="", length=10)

T **@MappedSuperclass**

Generators

MF **@GeneratedValue**(name="", strategy=[AUTO, IDENTITY, SEQUENCE, TABLE], pkColumnName="", valueColumnName="")

PTMF **@SequenceGenerator**(String name, sequenceName="", initialValue=0, allocationSize=50)

PTMF **@TableGenerator**(String name, table="", catalog="", schema="", pkColumnName="", valueColumnName="", pkColumnValue="", initialValue=0, allocationSize=50, uniqueConstraints={})

Legend

PMTF Annotation applies to Package, Method, Type, Field

Me Annotation applies to Entity Bean Methods

VALUE Default Value

EJB 3.0 Persistence Annotations Cheat Sheet

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Remark: This cheat sheet is based on the EJB 3.0 Annotations Cheat Sheet by Philipp Meier, available at www.fnogol.de. It constitutes a subset of that cheat sheet by representing only the persistence-related EJB 3.0 annotations which are defined in the javax.persistence package of the Java EE 5 API doc.

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