

Mapping JPA Annotations to JDO

List of annotations: <http://castor.org/reference/html/jpa.html>
JPA specs: <http://jcp.org/aboutJava/communityprocess/final/jsr220/>

- + @X Column
- \$ @Z? ColumnResult
- \$ @Z DiscriminatorColumn
- \$ @Z DiscriminatorValue
- \$ @Z? Embeddable
- \$ @Z? Embedded
- \$ @A EmbeddedId
- + @X Entity
- \$ @Z? EntityResult
- + @Z? Enumerated
- \$ @Z? FieldResult
- + @X Id
- \$ @A IdClass
- ~ @Y JoinColumn
- \$ @Z JoinColumns
- \$ @Y JoinTable
- ~ @Y ManyToMany
- ~ @Y ManyToOne
- \$ @Y? MapKey
- + @Y OneToMany
- + @X OneToOne
- \$ @X? OrderBy
- \$ @Z? PersistenceContext
- \$ @Z? PersistenceContexts
- \$ @Z? PersistenceProperty
- \$ @Z? PersistenceUnit
- \$ @Z? PersistenceUnits
- \$ @Y? PrimaryKeyJoinColumn
- \$ @Y? PrimaryKeyJoinColumns
- \$ @Y? QueryHint
- \$ @Z? SecondaryTable
- \$ @Z? SecondaryTables
- \$ @Z? SqlResultSetMapping
- \$ @Z? SqlResultSetMappings
- + @X Table
- \$ @Y? UniqueConstraint

Basic annotations

- + @Y? Temporal
- + @Y Lob
- + @Y Transient
- + @X Basic

- + @Y Version

Inheritance & super classes

- + @Z? MappedSuperclass
- ~ @Y Inheritance

- + @Z? AssociationOverride
- + @Z? AssociationOverrides

- + @X? AttributeOverride
- + @X? AttributeOverrides

Named queries

- + @X NamedNativeQueries: committed @ 20.05.2010
- + @X NamedNativeQuery: committed @ 18.05.2010
- + @X NamedQueries: committed @ 18.05.2010
- + @X NamedQuery: committed @ 01.05.2010

Callbacks and listeners

- + @Z? EntityListeners
- + @Z? ExcludeDefaultListeners
- + @Z? ExcludeSuperclassListeners
- + @X PostLoad
- + @X PostPersist
- + @X PostRemove
- + @Y PostUpdate
- + @X PrePersist
- + @X PreRemove
- + @Y PreUpdate

Key generation

- + @Y? GeneratedValue
- + @Z? TableGenerator
- + @Y? SequenceGenerator

Castor JDP-specific annotations

- + @X Cache: committed @ 06.05.2010

Labels

1. @X annotation is 1:1 mappable on JDO feature X
2. @Y annotation is implemented in JDO feature Y but not compatible (unchanged)
3. @Z annotation doesn't have any equivalent in JDO (not implemented)
4. @A annotation is integrated in JDO feature AAA, which does more than expected, though
 - @X -> simply implementable
 - @Z -> new feature
 - @Y + @A -> refactoring necessary

+ means: annotation already implemented
\$ means: annotation not yet implemented
~ means: annotation partially implemented

Any uncertainties are marked by `?`.