

Bean Types

T	@Stateless (name=“”)
T	@Statefull (name=“”)
M	@Init (String[] init = {})
M	@Remove (retainIfException=false)
T	@MessageDriven (name=“”, ActivationConfigProperty[]= {})
T	@Entity (name=“”, access=[<i>PROPERTY</i> , <i>FIELD</i>], entityType=[<i>CMP</i> , <i>BMP</i>], version=3)
T	@Remote
T	@Local
M	@BusinessMethod

Transaction and Security

T	@TransactionManagement (value=[<i>CONTAINER</i> , <i>BEAN</i>])
TM	@TransactionAttribute (value=[<i>MANDATORY</i> , <i>REQUIRED</i> , <i>REQUIRES_NEW</i> , <i>SUPPORTS</i> , <i>NOT_SUPPORTED</i> , <i>NEVER</i>])
TM	@MethodPermissions (String[] roles)
TM	@SecurityRoles (String[] rolesAllowed={}, rolesReferences={})
TM	@Unchecked
M	@Exclude
T	@RunAs (String rolaname)
P	@SecurityRoles (String[] RoleNames={})

Callbacks

T	@CallbackListener (String classname)
M	@PostConstruct
M	@PreDestroy
M	@PostActivate
M	@PrePassivate
Te	@EntityListener (String classname)
Me	@PrePersist
Me	@PostPersist
Me	@PreRemove
Me	@PostRemove
Me	@PreUpdate
Me	@PostLoad

Resources

TMFP	@Resource (name=“”, resourceType=“”, AuthenticationType=[<i>CONTAINER</i> , <i>Application</i>], shareable=true, jndiName=“”)
T	@Resources (Resource[] value)
TMFP	@EJB (name=“”, businessInterface=“”, jndiName=“”)
T	@EJBs {EJB[] value}
TMFP	@Home (name=“”, homeInterface=“”, String businessInterface, beanType= [<i>SESSION</i> , <i>ENTITY</i>], AccessMode=[<i>LOCAL</i> , <i>REMOTE</i>], jndiName=“”)
MF	@Inject (jndiName=“”)

Interceptors

T	@Interceptor (classname=“”)
T	@Interceptors (String[] classnames)
M	@AroundInvoke

Ealier View Client

Ts	@RemoteHome (String homeinterfacename, String remoteinterfacename)
Ts	@LocalHome (String localinterfacename, String localinterfacename)

Queries

TM	@FlushMode (value=[<i>COMMIT</i> , <i>AUTO</i> , <i>NEVER</i>])
PTM	@NamedQuery (name=“”, queryString, resultType, ejbInterfaceType[<i>LOCAL</i> , <i>REMOTE</i>])
PTM	@NamedQuerys (NamedQuery[] 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=“”, referencedColumn=“”, primaryKey=“”, unique=false, nullable=true, insertable=true, updatable=true, columnDefinition=“”, secondaryTable=“”)
TMF	@JoinColumns (JoinColumn[])
MF	@Id (generate=[<i>NONE</i> , <i>TABLE</i> , <i>SEQUENCE</i> , <i>IDENTITY</i> , <i>AUTO</i>], generator=“”)
MF	@EmbeddedId (AttributeOverride[]= {})
	@AttributeOverride (name, Column[]= {})
T	@IdClass
MF	@Transient
MF	@Version
MF	@Lob (fetch=[<i>LAZY</i> , <i>EAGER</i>], type=[<i>BLOB</i> , <i>CLOB</i>])
MF	@Serialized (fetch=[<i>LAZY</i> , <i>EAGER</i>])

Relations

MF	@ManyToOne (targetEntity=“”, CascadeType[] cascade={}, fetch=[<i>LAZY</i> , <i>EAGER</i>], optional=true)
MF	@OneToOne (targetEntity=“”, CascadeType[] cascade={}, fetch=[<i>LAZY</i> , <i>EAGER</i>], optional=true, mappedBy=“”, usePKasFK=false)
MF	@OneToMany (targetEntity=“”, CascadeType[] cascade={}, fetch=[<i>LAZY</i> , <i>EAGER</i>], mappedBy=“”)
MF	@AssociationTable (table=@Table(specified=false), JoinColumn[] joinColumns= {}, inverseJoinColumns()= {})
MF	@ManyToMany (targetEntity=“”, CascadeType[] cascade={}, fetch=[<i>LAZY</i> , <i>EAGER</i>], mappedBy=“”)

Inheritance

T	@Inheritance (strategy=[<i>SINGLE_TABLE</i> , <i>TABLE_PER_CLASS</i> , <i>JOINED</i>], discriminatorType=[<i>STRING</i> , <i>CHAR</i> , <i>INTEGER</i>], AttributeOverride[] inheritedAttributes= {})
T	@InheritanceJoinColumn (name=“”, referencedColumnNames=“”, columnDefinition=“”)
T	@InheritanceJoinColumn (InheritanceJoinColumn[] columns)
T	@DiscriminatorColumn (name=“”, nullable=false, columnDefinition=“”, length=10)

Embedded Values

T	@Embeddable (accessType=[<i>PROPERTY</i> , <i>FIELD</i>])
MF	@Embedded (AttributeOverride[] override= {})

Generators

PT	@GeneratedValue (name=“”, table=@Table(specified=false), pkColumnName=“”, valueColumnName=“”)
PTMF	@SequenceGenerator (String name, sequenceName=“”, initialValue=0, allocationSize=50)
PTMF	@TableGenerator (String name, tableName=“”, pkColumnValue=“”, allocationSize=50)

Legend

PMTF	Annotation applies to Package, Method, Type, Field
Me	Annotation applies to Entity Bean Methods
Ts	Annotation applies to Session Bean
VALUE	Default Value

EJB 3.0 Annotations Cheat Sheet

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