EJB   ,

Document Information

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Audience	EJB
Abstract	
Reference	http://www.theserverside.com/resources/patterns_review.jsp
Benchmark information	

Table of Contents

EJB   ,

"Composite/Aggregate/Coarse-Grained Entity Bean"

"Composite Entity Bean"   ("Aggregate Entity Bean"
"Coarse-Grained Entity Bean"   )   EJB 1.x
.

.

(dependent object)
.

.

CMP   ,   BMP
.   BMP
.

,   ,

.   EJB   2.0   CMP   (
)
.   EJB 2.0
"Composite Entity Bean"   .

,   . "Session Façade"
(tx_supported),
. "Session Façade"
.   J2EE

.

EJB 2.0 CMP
"Field"

EJB 2.0 CMP   . CMP
.

getXXX/setXXX

. abstract   .

EJB   (fine-
grained) get/set   .

get/set   .

. set

?

set   (delegation scheme)
.   CMP
setXXX   (*XXX*   )
setXXXField   .   *setXXXField*

setXXX

.

"Value   Object/Data Tranfer Object"

"Value Object"("Data Transfer Object"   )   EJB
1.x   .

get/set

DTO
.
. DTO

"Data Transfer Object Factory"   .

get/set
.   DTO
. "Data Tranfer Object"
("Session Façade")
.

"Singleton"

EJB   "Singleton"   ,   ,
         . "Singleton"   (GoF
"Design Patterns")   (static)

                                     .   EJB
          (synchronized   )   .
                              EJB   "Singleton"
          . "Singleton"   synchronized
                              .

                                     . EJB   "block"   -
          (read-write)   "Singleton"
                              .   .
                                                       EJB
                              .

          "Singleton"

                              .   JVM   ,
          (class loader)   (ejb-jar
                              ,   "Singleton"   ).

                                                            "block"
                "Singleton"   .
                                                                            "Singleton"
                              .   ("Primary Key Generator", EJB
UUID   "Sequence Block"   )
                              .

'

UI   EJB

.

"TheServerSide.com"
.

select count(*) from users   . 120,000

.

.

(Unix Cron)   "J2EE Scheduler Flux"
(scheduling   tool)
. JSP   jsp:include
.

.   .

UI   .
UI   EJB   .

.