
<JSTORM>

"Dependent Value Object"

BMP



JSTORM
<http://www.jstorm.pe.kr>

Document Information

Document title:	Version Number
Document file name:	Coarse_Grained_BMP_beans_with_Dependent_Value_Objects_pattern_jstorm_1.0_final
Revision number:	<1.0>
Issued by:	< , >
Issue Date:	<2002/2/25>
Status:	final

Content Information

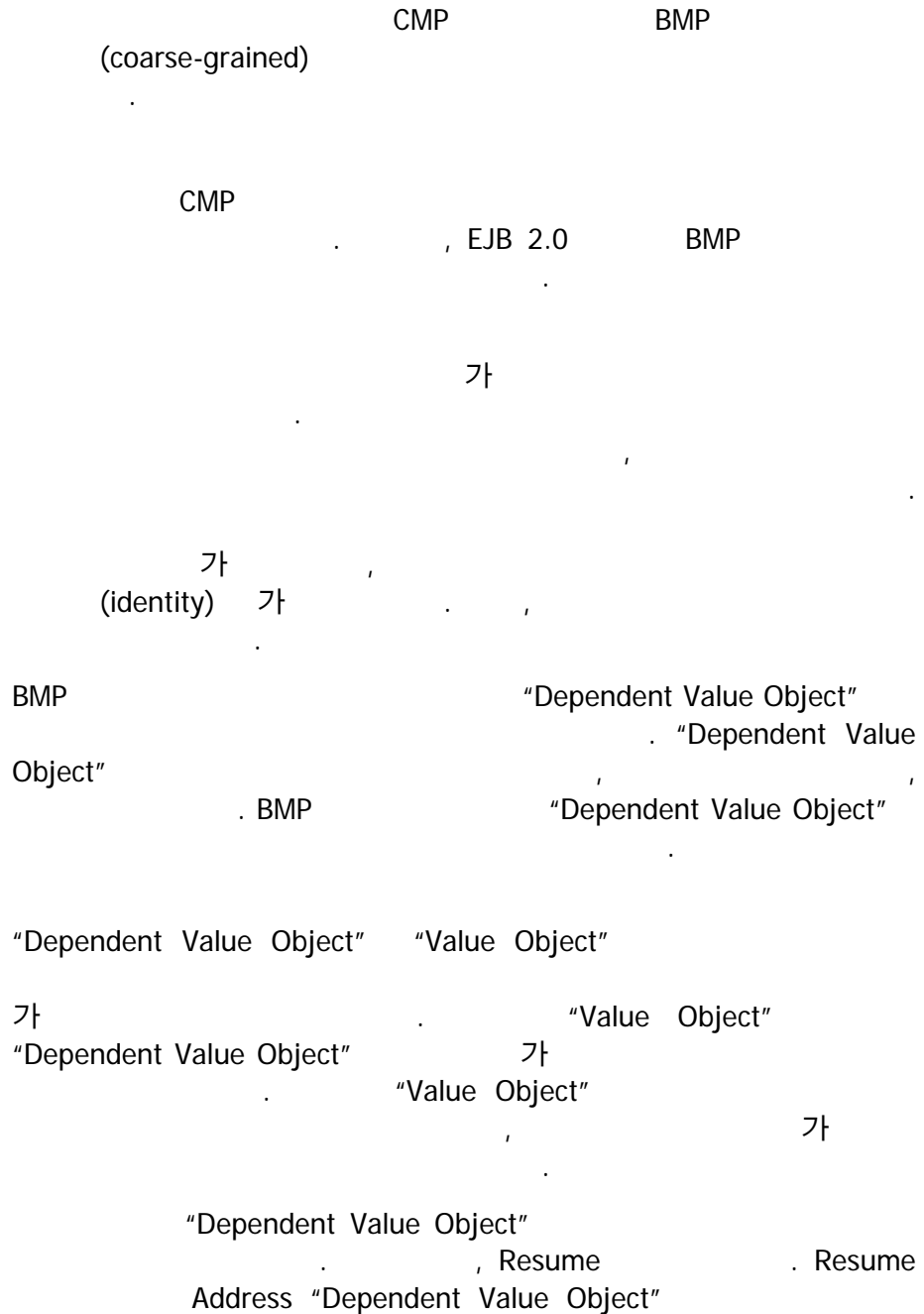
Audience	EJB	
Abstract	BMP	CMP (coarse-grained)
		CMP
	, EJB 2.0	BMP
Reference	http://www.theserverside.com/resources/patterns_review.jsp	
Benchmark information		

Table of Contents

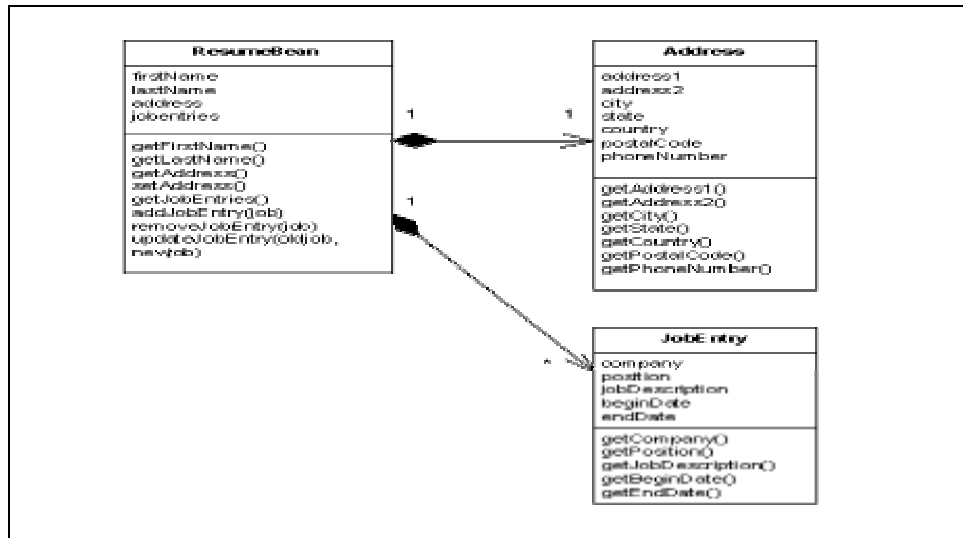
"Dependent Value Object"	BMP4
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"Dependent Value Object" BMP



1. , Job Entry 가
Collection Resume



1. Address Job Entry ResumeBean

BMP ""Dependent Value Object"" 가

"Dependent Value Object"가

"Dependent Value Object"가 가

"Dependent Value Object"가

가

(ejbStore
"Dependent Value

Object",)

"Dependent Value Object" 가

"Dependent Value Object"

SQL BLOB

"Dependent Value Object" Collection

Collection SQL BLOB

JDBC

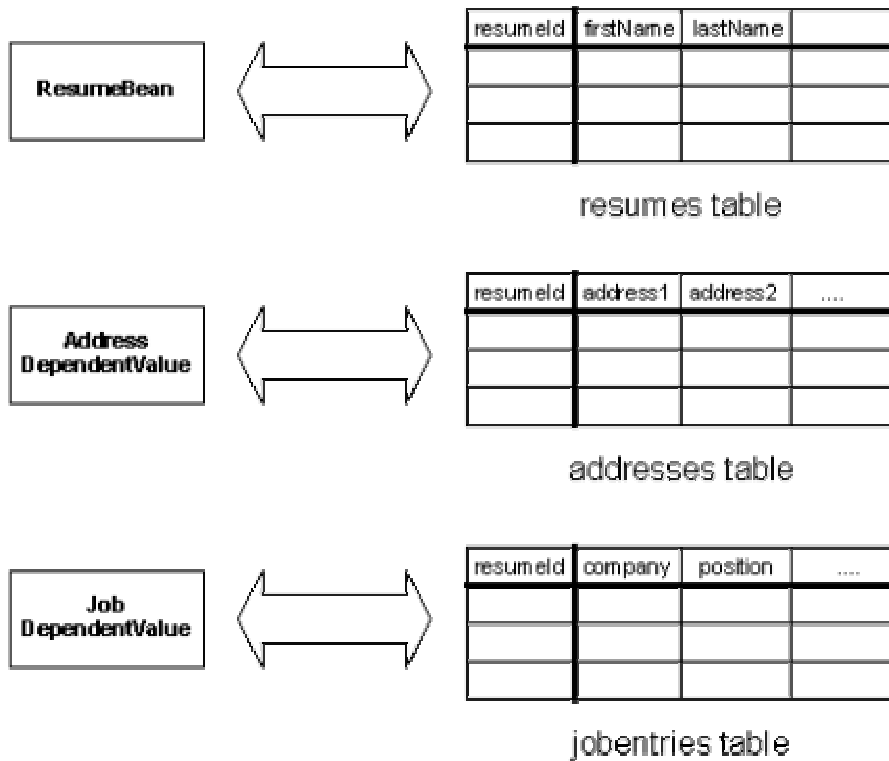
"Dependent Value Object"

. "Dependent Value Object"

"Dependent Value Object"가 SQL

가 "Dependent

Value Object"
가 . "Dependent Value Object"가 BLOB
가 . Resume 가 .
Resume resumes
, Address "Dependent Value Object" Job Entries
2. addresses jobentries
. Addresses job entries가 "Dependent Value
Object" Resume
가 . "Dependent
Value Object"
addresses job entries resumeID .



2. EJB

DB

"Dependent Value Object" 가 (immutable)
가 . , "Dependent Value Object" set
CMP

, BMP

"Dependent Value Object"가
CMP . BMP CMP
가 , "Dependent Value Object"
"Dependent Value
Object"가 .
"Value Object"
가 "Value Object"

"Dependent Value Object"가
"Dependent Value Object"
가
ejbCreate()

Collection get "Dependent Value Object"

"Dependent Value Object" Collection
가

"Dependent Value Object"(Collection)

"Dependent Value Object"(Collection)
getAddress() getJobs()) (Resume Bean

BMP , Collection
Object" "Dependent Value
BMP 가

(,) 가
(in ejbStore)

"Dependent Value Object"
BMP
"Dependent Value Object"

가
.
"Dependent Value Object" 가
. BMP "Dependent Value Object"
CMP
"Dependent Value Object" 가 ,
.
, BMP "Dependent Value
Object"
?
"Dependent Value Object" (track)
collection . 3.
2 Set Collection DependentValueSet
. Set (add, remove)
"Dependent
Value Object" update(oldObject, newObject)
가 Collection 가 . CMP
가 "Dependent Value Object"가
() 가
Set 가 ,


```
addObjectFromDatabase(Object)  
getObjectsToInsert()  
getObjectsToDelete()  
getObjectsToUpdate()  
databaseHasBeenUpdated()
```

```
addObjectFromDatabase      "Dependent Value Object"가  
      ( .. ' ' )  
      ,   가  
      ,   DependentValueSet  
      BMP   가   가   /  
      ,   DependentValueSet  
가   ,  .ejbStore()  
      "Dependent Value Object"   SQL  
가   .   가   ,   DependentValueSet  
      notified(databaseHasBeenUpdated)  
      clear
```

```
Resume   ,   job   entries   Collection  
DependentValueSet  
job   entries   /   /   /   (CRUD)  
      ,   jobentries   DependentValueSet  
      ,   resumes   jobs  
      .   (.ejbStore())   ,   job   entries가  
      /   /   DependentValueSet  
      SQL  
      Resume   Address "Dependent Value Object"  
      .   DependentValueSet  
      ,   ,   object  
      get   set   ,   isAddressModified  
keep   around   .ejbStore()   Address가   set
```