

# DTD documentation

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## 1. Top-level element(s)

- [descriptor-repository](#)

## 2. List of elements

- [attribute](#)
- [class-descriptor](#)
- [collection-descriptor](#)
- [connection-pool](#)
- [constant-argument](#)
- [delete-procedure](#)
- [descriptor-repository](#)
- [documentation](#)
- [extent-class](#)
- [field-descriptor](#)
- [fk-pointing-to-element-class](#)
- [fk-pointing-to-this-class](#)
- [foreignkey](#)
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- [jdbc-connection-descriptor](#)
- [object-cache](#)
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- [query-customizer](#)
- [reference-descriptor](#)
- [runtime-argument](#)
- [sequence-manager](#)
- [update-procedure](#)

## 3. Element declarations

### 3.1.

descriptor-repository	
Content model	( <a href="#">documentation</a> ? , <a href="#">attribute</a> * , <a href="#">jdbc-connection-descriptor</a> * , <a href="#">class-descriptor</a> * )
Attributes	version
	isolation-level
	proxy-prefetching-limit

### 3.2.

documentation	
Content model	( #PCDATA )
Used inside	<a href="#">descriptor-repository</a>   <a href="#">jdbc-connection-descriptor</a>   <a href="#">object-cache</a>   <a href="#">connection-pool</a>   <a href="#">sequence-manager</a>   <a href="#">class-descriptor</a>   <a href="#">extent-class</a>   <a href="#">field-descriptor</a>   <a href="#">attribute</a>   <a href="#">reference-descriptor</a>   <a href="#">foreignkey</a>   <a href="#">collection-descriptor</a>   <a href="#">orderby</a>   <a href="#">inverse-foreignkey</a>   <a href="#">fk-pointing-to-this-class</a>   <a href="#">fk-pointing-to-element-class</a>   <a href="#">query-customizer</a>   <a href="#">index-descriptor</a>   <a href="#">index-column</a>   <a href="#">insert-procedure</a>   <a href="#">update-procedure</a>   <a href="#">delete-procedure</a>   <a href="#">runtime-argument</a>   <a href="#">constant-argument</a>

### 3.3.

jdbc-connection-descriptor																															
Content model	( <a href="#">documentation</a> ? , <a href="#">attribute</a> * , <a href="#">object-cache</a> ? , <a href="#">connection-pool</a> ? , <a href="#">sequence-manager</a> ? )																														
Attributes	<table border="1"> <tr> <td>jcd-alias</td> <td></td> <td>t r</td> </tr> <tr> <td>default-connection</td> <td></td> <td>c p</td> </tr> <tr> <td>platform</td> <td></td> <td>c p I M F S S M</td> </tr> <tr> <td>jdbc-level</td> <td></td> <td>c p</td> </tr> <tr> <td>eager-release</td> <td></td> <td>c p</td> </tr> <tr> <td>batch-mode</td> <td></td> <td>c p</td> </tr> <tr> <td>useAutoCommit</td> <td></td> <td>c p</td> </tr> <tr> <td>ignoreAutoCommitExceptions</td> <td></td> <td>c p</td> </tr> <tr> <td>jndi-datasource-name</td> <td></td> <td>t</td> </tr> <tr> <td>driver</td> <td></td> <td>t</td> </tr> </table>	jcd-alias		t r	default-connection		c p	platform		c p I M F S S M	jdbc-level		c p	eager-release		c p	batch-mode		c p	useAutoCommit		c p	ignoreAutoCommitExceptions		c p	jndi-datasource-name		t	driver		t
jcd-alias		t r																													
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batch-mode		c p																													
useAutoCommit		c p																													
ignoreAutoCommitExceptions		c p																													
jndi-datasource-name		t																													
driver		t																													

	protocol		t
	subprotocol		t
	dbalias		t
	username		t
	password		t
Used inside	<a href="#">descriptor-repository</a>		

### 3.4.

object-cache			
Content model	( <a href="#">documentation</a> ? , <a href="#">attribute</a> * )		
Attributes	class		t
Used inside	<a href="#">jdbc-connection-descriptor</a>   <a href="#">class-descriptor</a>		

### 3.5.

connection-pool			
Content model	( <a href="#">documentation</a> ? , <a href="#">attribute</a> * )		
Attributes	maxActive		t
	minIdle		t
	maxIdle		t
	maxWait		t
	minEvictableIdleTimeMillis		t
	numTestsPerEvictionRun		t
	testOnBorrow		p
	testOnReturn		p
	testWhileIdle		p
	timeBetweenEvictionRunsMillis		t
	whenExhaustedAction		p
	validationQuery		t
	removeAbandoned		p
	removeAbandonedTimeout		t
	logAbandoned		p

Used inside	<a href="#">jdbc-connection-descriptor</a>

### 3.6.

sequence-manager			
Content model	( <a href="#">documentation</a> ? , <a href="#">attribute</a> * )		
Attributes	<table border="1"> <tr> <td>className</td> <td> </td> </tr> </table>	className	
className			
Used inside	<a href="#">jdbc-connection-descriptor</a>		

### 3.7.

class-descriptor																											
Content model	( ( <a href="#">documentation</a> ? , <a href="#">object-cache</a> ? , <a href="#">extent-class</a> + , <a href="#">attribute</a> * )   ( <a href="#">documentation</a> ? , <a href="#">object-cache</a> ? , <a href="#">extent-class</a> * , <a href="#">field-descriptor</a> + , <a href="#">reference-descriptor</a> * , <a href="#">collection-descriptor</a> * , <a href="#">index-descriptor</a> * , <a href="#">attribute</a> * , <a href="#">insert-procedure</a> ? , <a href="#">update-procedure</a> ? , <a href="#">delete-procedure</a> ? ) )																										
Attributes	<table border="1"> <tr> <td>class</td> <td> </td> </tr> <tr> <td>isolation-level</td> <td> </td> </tr> <tr> <td>proxy</td> <td> </td> </tr> <tr> <td>proxy-prefetching-limit</td> <td> </td> </tr> <tr> <td>schema</td> <td> </td> </tr> <tr> <td>table</td> <td> </td> </tr> <tr> <td>row-reader</td> <td> </td> </tr> <tr> <td>extends</td> <td> </td> </tr> <tr> <td>accept-locks</td> <td> </td> </tr> <tr> <td>initialization-method</td> <td> </td> </tr> <tr> <td>factory-class</td> <td> </td> </tr> <tr> <td>factory-method</td> <td> </td> </tr> <tr> <td>refresh</td> <td> </td> </tr> </table>	class		isolation-level		proxy		proxy-prefetching-limit		schema		table		row-reader		extends		accept-locks		initialization-method		factory-class		factory-method		refresh	
class																											
isolation-level																											
proxy																											
proxy-prefetching-limit																											
schema																											
table																											
row-reader																											
extends																											
accept-locks																											
initialization-method																											
factory-class																											
factory-method																											
refresh																											

Used inside	<a href="#">descriptor-repository</a>

### 3.8.

extent-class	
Content model	( <a href="#">documentation</a> ? )
Attributes	class-ref
Used inside	<a href="#">class-descriptor</a>

### 3.9.

field-descriptor																									
Content model	( <a href="#">documentation</a> ? , <a href="#">attribute</a> * )																								
Attributes	<table border="1"> <tr><td>id</td><td></td></tr> <tr><td>name</td><td></td></tr> <tr><td>table</td><td></td></tr> <tr><td>column</td><td></td></tr> <tr><td>jdbc-type</td><td></td></tr> <tr><td>primarykey</td><td></td></tr> <tr><td>nullable</td><td></td></tr> <tr><td>indexed</td><td></td></tr> <tr><td>autoincrement</td><td></td></tr> <tr><td>sequence-name</td><td></td></tr> <tr><td>locking</td><td></td></tr> <tr><td>update-lock</td><td></td></tr> </table>	id		name		table		column		jdbc-type		primarykey		nullable		indexed		autoincrement		sequence-name		locking		update-lock	
id																									
name																									
table																									
column																									
jdbc-type																									
primarykey																									
nullable																									
indexed																									
autoincrement																									
sequence-name																									
locking																									
update-lock																									

	default-fetch		P
	conversion		t
	length		t
	precision		t
	scale		t
	access		c P r
Used inside	<a href="#">class-descriptor</a>		

### 3.10.

attribute			
Content model	( <a href="#">documentation</a> ? )		
Attributes	attribute-name		t r
	attribute-value		t r
Used inside	<a href="#">descriptor-repository</a>   <a href="#">jdbc-connection-descriptor</a>   <a href="#">object-cache</a>   <a href="#">connection-pool</a>   <a href="#">sequence-manager</a>   <a href="#">class-descriptor</a>   <a href="#">field-descriptor</a>   <a href="#">reference-descriptor</a>   <a href="#">collection-descriptor</a>   <a href="#">query-customizer</a>   <a href="#">insert-procedure</a>   <a href="#">update-procedure</a>   <a href="#">delete-procedure</a>   <a href="#">runtime-argument</a>   <a href="#">constant-argument</a>		

### 3.11.

reference-descriptor			
Content model	( <a href="#">documentation</a> ? , <a href="#">foreignkey</a> + , <a href="#">attribute</a> * )		
Attributes	name		t r
	class-ref		t r
	proxy		c P
	proxy-prefetching-limit		t

	refresh		c p
	auto-retrieve		c p
	auto-update		c p c
	auto-delete		c p c
	otm-dependent		c p
Used inside	<a href="#">class-descriptor</a>		

### 3.12.

foreignkey			
Content model	( <a href="#">documentation</a> ? )		
Attributes	field-id-ref		t
	field-ref		t
Used inside	<a href="#">reference-descriptor</a>		

### 3.13.

collection-descriptor			
Content model	( <a href="#">documentation</a> ? , <a href="#">orderby</a> * , <a href="#">inverse-foreignkey</a> * , <a href="#">fk-pointing-to-this-class</a> * , <a href="#">fk-pointing-to-element-class</a> * , <a href="#">query-customizer</a> ? , <a href="#">attribute</a> * )		
Attributes	name		t
	collection-class		t
	element-class-ref		t r
	orderby		t
	sort		c p
	indirection-table		t
	proxy		c p



	proxy-prefetching-limit		t
	refresh		c p
	auto-retrieve		c p
	auto-update		c p c
	auto-delete		c p c
	otm-dependent		c p
Used inside	<a href="#">class-descriptor</a>		

### 3.14.

orderby			
Content model	( <a href="#">documentation</a> ? )		
Attributes	name		t r
	sort		c p
Used inside	<a href="#">collection-descriptor</a>		

### 3.15.

inverse-foreignkey			
Content model	( <a href="#">documentation</a> ? )		
Attributes	field-id-ref		t
	field-ref		t
Used inside	<a href="#">collection-descriptor</a>		

### 3.16.

fk-pointing-to-this-class			
Content model	( <a href="#">documentation</a> ? )		

Attributes	column		t r
Used inside	<a href="#">collection-descriptor</a>		

**3.17.**

fk-pointing-to-element-class			
Content model	( <a href="#">documentation</a> ? )		
Attributes	column		t r
Used inside	<a href="#">collection-descriptor</a>		

**3.18.**

query-customizer			
Content model	( <a href="#">documentation</a> ? , <a href="#">attribute</a> * )		
Attributes	class		t r
Used inside	<a href="#">collection-descriptor</a>		

**3.19.**

index-descriptor			
Content model	( <a href="#">documentation</a> ? , <a href="#">index-column</a> + )		
Attributes	name		t r
	unique		c p
Used inside	<a href="#">class-descriptor</a>		

**3.20.**

index-column			
Content model	( <a href="#">documentation</a> ? )		

Attributes	name		t r
Used inside	<a href="#">index-descriptor</a>		

### 3.21.

insert-procedure			
Content model	( <a href="#">documentation</a> ? , ( <a href="#">runtime-argument</a>   <a href="#">constant-argument</a> ) * , <a href="#">attribute</a> * )		
Attributes	name		t r
	return-field-ref		t
	include-all-fields		c p
Used inside	<a href="#">class-descriptor</a>		

### 3.22.

update-procedure			
Content model	( <a href="#">documentation</a> ? , ( <a href="#">runtime-argument</a>   <a href="#">constant-argument</a> ) * , <a href="#">attribute</a> * )		
Attributes	name		t r
	return-field-ref		t
	include-all-fields		c p
Used inside	<a href="#">class-descriptor</a>		

### 3.23.

delete-procedure			
Content model	( <a href="#">documentation</a> ? , ( <a href="#">runtime-argument</a>   <a href="#">constant-argument</a> ) * , <a href="#">attribute</a> * )		
Attributes	name		t r
	return-field-ref		t

	include-pk-only		c p
Used inside	<a href="#">class-descriptor</a>		

**3.24.**

runtime-argument			
Content model	( <a href="#">documentation</a> ? , <a href="#">attribute</a> * )		
Attributes	field-ref		t
	return		c p
Used inside	<a href="#">insert-procedure</a>   <a href="#">update-procedure</a>   <a href="#">delete-procedure</a>		

**3.25.**

constant-argument			
Content model	( <a href="#">documentation</a> ? , <a href="#">attribute</a> * )		
Attributes	value		t r
Used inside	<a href="#">insert-procedure</a>   <a href="#">update-procedure</a>   <a href="#">delete-procedure</a>		