

org.apache.openjpa.util

Class OpenJPAException

[java.lang.Object](#)

└─ [java.lang.Throwable](#)

└─ [java.lang.Exception](#)

└─ [java.lang.RuntimeException](#)

└─ [org.apache.openjpa.util.OpenJPAException](#)

All Implemented Interfaces:

[Serializable](#), [ExceptionInfo](#)

Direct Known Subclasses:

[GeneralException](#), [InternalException](#), [StoreException](#), [UnsupportedException](#), [UserException](#)

public abstract class **OpenJPAException**

extends [RuntimeException](#)

implements [Serializable](#), [ExceptionInfo](#)

Exception type for all OpenJPA exceptions. Meant to be easily transformed into an appropriate exception at the API layer, since most APIs define their own exception types.

Since:

0.4.0

Author:

Abe White

See Also:

[Serialized Form](#)

Field Summary

Fields inherited from interface **org.apache.openjpa.util**.[ExceptionInfo](#)

[GENERAL](#), [INTERNAL](#), [STORE](#), [UNSUPPORTED](#), [USER](#)

Constructor Summary

[OpenJPAException](#)()

Default constructor.

[OpenJPAException](#)([Localizer.Message](#) msg)

Constructor; supply message.

[OpenJPAException](#)([Localizer.Message](#) msg, [Throwable](#) cause)

Construct with message and cause.

[OpenJPAException](#)([String](#) msg)

Constructor; supply message.

[OpenJPAException](#)([String](#) msg, [Throwable](#) cause)

Construct with message and cause.

[OpenJPAException](#)([Throwable](#) cause)

Construct with cause.

Method Summary

Throwable	getCause () Returns the first Throwable from getNestedThrowables() in order to conform to Throwable.getCause() in Java 1.4+.
Object	getFailedObject () The failed object.
Throwable []	getNestedThrowables () The nested throwables.
int	getSubtype () Exception subtype.
abstract int	getType () Exception type.
boolean	isFatal () Whether this error is fatal.
void	printStackTrace () Stack.
void	printStackTrace (PrintStream out)
void	printStackTrace (PrintWriter out)
OpenJPAException	setCause (Throwable nested) The first nested throwable.
OpenJPAException	setFailedObject (Object failed) The failed object.
OpenJPAException	setFatal (boolean fatal) Whether this error is fatal.
OpenJPAException	setNestedThrowables (Throwable [] nested) The nested throwables.
String	toString ()

Methods inherited from class java.lang.[Throwable](#)

[fillInStackTrace](#), [getLocalizedMessage](#), [getMessage](#), [getStackTrace](#), [initCause](#), [setStackTrace](#)

Methods inherited from class java.lang.[Object](#)

[clone](#), [equals](#), [finalize](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [wait](#), [wait](#), [wait](#)

Methods inherited from interface org.apache.openjpa.util.[ExceptionInfo](#)

[getMessage](#)

Constructor Detail

OpenJPAException

```
public OpenJPAException()
```

Default constructor.

OpenJPAException

```
public OpenJPAException(String msg)
```

Constructor; supply message.

OpenJPAException

```
public OpenJPAException(Localizer.Message msg)
```

Constructor; supply message.

OpenJPAException

```
public OpenJPAException(Throwable cause)
```

Construct with cause.

OpenJPAException

```
public OpenJPAException(String msg,  
                        Throwable cause)
```

Construct with message and cause.

OpenJPAException

```
public OpenJPAException(Localizer.Message msg,  
                        Throwable cause)
```

Construct with message and cause.

Method Detail

getType

```
public abstract int getType()
```

Exception type.

Specified by:

[getType](#) in interface [ExceptionInfo](#)

getSubtype

public int **getSubtype**()

Exception subtype.

Specified by:

[getSubtype](#) in interface [ExceptionInfo](#)

isFatal

public boolean **isFatal**()

Whether this error is fatal.

Specified by:

[isFatal](#) in interface [ExceptionInfo](#)

setFatal

public [OpenJPAException](#) **setFatal**(boolean fatal)

Whether this error is fatal.

getCause

public [Throwable](#) **getCause**()

Returns the first [Throwable](#) from [getNestedThrowables\(\)](#) in order to conform to [Throwable.getCause\(\)](#) in Java 1.4+.

Specified by:

[getCause](#) in interface [ExceptionInfo](#)

Overrides:

[getCause](#) in class [Throwable](#)

See Also:

[Throwable.getCause\(\)](#)

setCause

public [OpenJPAException](#) **setCause**([Throwable](#) nested)

The first nested throwable.

getNestedThrowables

```
public Throwable[] getNestedThrowables()
```

The nested throwables.

Specified by:

[getNestedThrowables](#) in interface [ExceptionInfo](#)

setNestedThrowables

```
public OpenJPAException setNestedThrowables(Throwable[] nested)
```

The nested throwables.

getFailedObject

```
public Object getFailedObject()
```

The failed object.

Specified by:

[getFailedObject](#) in interface [ExceptionInfo](#)

setFailedObject

```
public OpenJPAException setFailedObject(Object failed)
```

The failed object.

toString

```
public String toString()
```

Overrides:

[toString](#) in class [Throwable](#)

printStackTrace

```
public void printStackTrace()
```

Description copied from interface: [ExceptionInfo](#)
Stack.

Specified by:

[printStackTrace](#) in interface [ExceptionInfo](#)

Overrides:

[printStackTrace](#) in class [Throwable](#)

See Also:

[Throwable.printStackTrace\(\)](#)

printStackTrace

public void **printStackTrace**([PrintStream](#) out)

Overrides:

[printStackTrace](#) in class [Throwable](#)

printStackTrace

public void **printStackTrace**([PrintWriter](#) out)

Overrides:

[printStackTrace](#) in class [Throwable](#)

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