

Object Oriented Database systems

CSCI 5433

Comparing Db4o v5.2 and Db4o v7.2

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This document describes the API differences between Ddb4o version 5.2 and Db4o version 7.2

Db4o 5.2 vs Db4o 7.2

The class Db4o is replaced by Db4oFactory.

Accessing a database:

In 5.2

```
ObjectContainer db = Db4o.OpenFile("C:/myDb.yap");
```

In 7.2

```
IObjectContainer db = Db4oFactory.OpenFile("C:/myDb.yap ");
```

Storing a object:

5.2

```
Person p = new Person("Gandhi",42);  
db.Set(p);
```

7.2

```
db.Store(p);
```

Retrieving an object:

5.2

```
ObjectSet result = db.Get(p);
```

7.2

```
IObjectSet result = (IObjectSet)db.QueryByExample(p);
```

SODA Query:

5.2

```
Query query = db.Query();
```

7.2

```
IQuery query = db.Query();
```

Db4o server(TCP mode):

5.2

```
ObjectServer server = Db4o.OpenServer("C:/netserver.yap", 8732);
```

7.2

```
IObjectServer server = Db4oFactory.OpenServer("C:/netserver.yap", 8732);
```

Db4o client(TCP Mode):

5.2

```
ObjectContainer aClient = Db4o.OpenClient("localhost", 8732, "user1", "password");
```

7.2

```
IObjectContainer aClient = Db4oFactory.OpenClient("localhost", 8732, "user1",  
"password");
```

Using Configurations

5.2

```
Configuration conf = Db4o.Configure();
```

7.2

```
IConfiguration conf = Db4oFactory.Configure();
```

Advanced Issues:

5.2

```
ObjectInfo oi = db.Ext().GetObjectInfo(object);
```

7.2

```
IObjectInfo oi = db.Ext().GetObjectInfo(object);
```

5.2

```
StoredClass[] classes = db.Ext().StoredClasses();
```

7.2

```
IStoredClass[] classes = db.Ext().StoredClasses();
```