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> Storing huge data set in Sailpoint

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JasdeepM  
Rigger II

Oct 02, 2015 01:37 PM

## Storing huge data set in Sailpoint ✓ [Jump to solution](#)

Hi Experts,

I was working on an assignment where i need to bring huge set of data and show in drop down on request entitlements page. I raised other forum entry and got help from Chris on **IIQ 6.4: Storing Webservice results inside a Custom Object**.

But as i store this in custom object, I feel that admin user can modify data directly going to debug page and there are quite many users with admin access.

I am not sure my question is really logical here, but just to check that if Sailpoint provides some storage object that can be used here, which is non editable in debug window (or atleast encrypted format)

thanks,  
Jasdeep.

Labels: 6.4+

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## 1 Solution ✓



artyukhin\_ivan  
Rigger

In response to **JasdeepM**

Oct 04, 2015 09:12 AM

✓ Example of how to create 'ZDepartment' object with one custom attribute 'code' (some other attributes (like 'name') are inherited from its parent)

1) create Java class and xml file for you object type.

ZDepartment.java:

```
package com.zzz.sailpoint.object;
```

```
import sailpoint.object.SailPointObject;
```

```
public class ZDepartment extends SailPointObject {
```

```
    private String _code = null;
```

```
    public String getCode() {
```

```
        return _code;
```

```
    }
```

```
    public void setCode(String _code) {
```

```
        this._code = _code;
```

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ZDepartment.hbm.xml:



```

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE hibernate-mapping PUBLIC

"-//Hibernate/Hibernate Mapping DTD 3.0//EN"

"http://hibernate.sourceforge.net/hibernate-mapping-3.0.dtd" [

<!ENTITY SailPointObject SYSTEM

"classpath://sailpoint/object/SailPointObject.hbm.xml">

]>

<hibernate-mapping>

<class name="com.zzz.sailpoint.object.ZDepartment">

    &SailPointObject;

    <property name="code" type="string" length="1024"/>

</class>

</hibernate-mapping>

```

2) compile java class and copy ZDepartment.class into 'webapps\identityiq\WEB-INF\classes\com\zzz\sailpoint\object' directory

Copy ZDepartment.hbm.xml to the same directory

3) extract hibernate.cfg.xml from identityiq.jar and copy it into webapps\identityiq\WEB-INF\classes

4) edit hibernate.cfg.xml ; add the line

```
<mapping resource="com/zzz/sailpoint/object/ZDepartment.hbm.xml"/>
```

after

```
<mapping resource="sailpoint/object/WorkItemConfig.hbm.xml"/>
```

5) create table (example for MS SQL)

```
CREATE TABLE [identityiq].[spt_zdepartment](
```

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```
[owner] [nvarchar](128) NULL,
```



```
[assigned_scope] [nvarchar](128) NULL,  
[assigned_scope_path] [nvarchar](450) NULL,  
[name] [nvarchar](128) NOT NULL,  
[code] [nvarchar](1024) NULL  
)
```

You can even get this script using standard iiq schema

6) restart application server

Now you can create objects of ZDepartment type the same way as all standard objects. You can also query them using `context.getObjectByld(ZDepartment.class, "...")` .

Your case is a little bit more complicated, You should

- 1) extend you class from `sailpoint.object.Custom`
- 2) base a table for a new object type on `identityiq.spt_custom` table
- 3) change xml-file

I personally didn't try this scenario it but I'm sure it can be done

I hope you get the idea how to do it.

Regards,

Ivan Artyukhin

[View solution in original post](#)

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6 Kudos

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# 15 Replies

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Not applicable

Oct 02, 2015 05:26 PM

As my knowledge all iiq object are editable through debug page. IIQ do not have any separate storage object which is not visible in debug page.

Need to go with the Custom Object/Create direct custom table in IIQ[read/write explicitly using sql query]

Anto.

Add tags



Reply



JasdeepM  
Rigger II

In response to

Oct 02, 2015 05:30 PM

Hello Anto,

Thanks for your response, for storing in custom tables, are you referring to the normal JDBC objects/hibernate etc or saving and fetching data using IIQ api's/ functionality. You can accept, reject, or customize your preferences

Please share a reference if you have any. You can withdraw your consent or amend your preferences at any time. For more information see our

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jasdeep.



Add tags



Reply



Not applicable

In response to **JasdeepM**

Oct 02, 2015 05:57 PM

I am referring to the normal JDBC concept ,not hibernate/IIQ api's

You can get the connection object using from sailpoint context object.

Connection conn= context.getJdbcConnection();[get the iiq database connection object from context]

```
//Normal JDBC java/api & sql query [Not hibernate]
```

```
PreparedStatement aPreparedStatement =conn.prepareStatement("Insert  
/update/select query ");
```

```
context.getJdbcConnection().commit();[commit the changes]
```

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JasdeepM  
Rigger II

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In response to



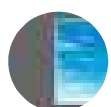
Oct 02, 2015 07:10 PM

thanks for suggestions. this will help.

Add tags



Reply



artyukhin\_ivan  
Rigger

Oct 03, 2015 04:36 AM

One of possible solutions is to create your own object type and store data in objects of this new type (it will also allow to add extra searchable attributes, etc.) By default new object types are not visible in 'debug' page. Although a user with admin rights can create a rule that will extract and modify these objects; but if you add audit you will be able to detect such modifications .

Regards,

Ivan Artyukhin

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Oct 04, 2015 02:13 AM



Hi Ivan,

Would you please elaborate by giving some example, is there any documentation anywhere.

thanks

Add tags



1 Kudo

Reply



artyukhin\_ivan  
Rigger

In response to **JasdeepM**

Oct 04, 2015 09:12 AM

✓ Example of how to create 'ZDepartment' object with one custom attribute 'code' (some other attributes (like 'name') are inherited from its parent)

1) create Java class and xml file for you object type.

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```
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```

```
import sailpoint.object.SailPointObject;
```

```
public class ZDepartment extends SailPointObject {
```

```
    private String _code = null;
```

```
    public String getCode() {
```

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```
    public void setCode(String code) {
```

```
        this._code = _code;
```





```
}
}
```

ZDepartment.hbm.xml:

```
<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE hibernate-mapping PUBLIC
"-//Hibernate/Hibernate Mapping DTD 3.0//EN"
"http://hibernate.sourceforge.net/hibernate-mapping-3.0.dtd" [

<!ENTITY SailPointObject SYSTEM
"classpath://sailpoint/object/SailPointObject.hbm.xml">
]>

<hibernate-mapping>

<class name="com.zzz.sailpoint.object.ZDepartment">

<SailPointObject;

<property name="code" type="string" length="1024"/>

</class>

</hibernate-mapping>
```

2) compile java class and copy ZDepartment.class into 'webapps\identityiq\WEB-INF\classes\com\zzz\sailpoint\object' directory

Copy ZDepartment.hbm.xml to the same directory

3) extract hibernate.cfg.xml from identityiq.jar and copy it into webapps\identityiq\WEB-INF\classes

4) edit hibernate.cfg.xml ; add the line

```
<mapping resource="com/zzz/sailpoint/object/ZDepartment.hbm.xml"/>
```

after

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```
create table (example for MS SQL)
[id] [nvarchar](128) NOT NULL,
```

```
[created] [numeric](19, 0) NULL,  
[modified] [numeric](19, 0) NULL,  
[owner] [nvarchar](128) NULL,  
[assigned_scope] [nvarchar](128) NULL,  
[assigned_scope_path] [nvarchar](450) NULL,  
[name] [nvarchar](128) NOT NULL,  
[code] [nvarchar](1024) NULL  
)
```

You can even get this script using standard iiq schema

6) restart application server

Now you can create objects of ZDepartment type the same way as all standard objects. You can also query them using `context.getObjectById(ZDepartment.class, "...")` .

Your case is a little bit more complicated, You should

- 1) extend you class from `sailpoint.object.Custom`
- 2) base a table for a new object type on `identityiq.spt_custom` table
- 3) change xml-file

I personally didn't try this scenario it but I'm sure it can be done

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Regards,

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Reply





artyukhin\_ivan  
Rigger

In response to **artyukhin\_ivan**

Oct 04, 2015 09:17 AM

Small fix to ZDepartment.hbm.xml :

....

```
<class name="com.zzz.sailpoint.object.ZDepartment">  
    &SailPointObject;  
    <property name="code" type="string" length="1024"/>  
    <property name="name" type="string" length="1000"  
index="spt_zdepartment_name"/>  
  
</class>
```

....

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4 Kudos

Reply



JasdeepM  
Rigger II

In response to **artyukhin\_ivan**

Oct 06, 2015 02:22 AM

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best

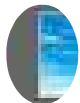


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