

## Improving Siebel Configuration Efficiency

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This article presents a practical approach of configuring Siebel using Ixanos (<http://www.ixanos.com>).

Configuring Siebel is a very broad exercise. Then again, from a developer's perspective, it can be broadly categorized to include some or all of the areas listed below:

1. Use Siebel Tools/Siebel Client to prepare User Interfaces/Business Logic/Data Layer
2. Prepare programs that are partly or completely hosted outside of Siebel (RDBMS, DLL, JMS, etc)
3. Integrate and test all parts of your solution

During the above steps you will find yourself many times in the position of repeating tasks that you recall having done before in other projects. Even during your present project you will many times repeat the same thing over and over.

**Example:** You are about to develop a workflow process and can recall that you have built similar logic in the past. The only thing you remember is that at a particular workflow had something to do with the table S\_ASSET. But you don't remember the name of the workflow neither where this particular table was used in (in a workflow-step or in a workflow step argument or in a workflow condition criterion).

You can use Siebel Tools to attempt to retrieve all those workflows, but this would probably be a complicated exercise and it would certainly require more than one query.

Then again, you can take some time and spool out some SQLs and assemble your own specialized query to meet your needs. This will not only help you understand Siebel better, but it will also set you up for the same task in the future. This is namely what I do. And then I can run the above search in seconds.

The results for S\_ASSET could look as the ones shown below. You can see for example that S\_ASSET is referred to in 28 workflows and is among others used in the workflow step [ [RB-AccountMembership Approval Workflow](#) ]

[3] Rows=[28]SELECT T1.NAME ,T1.INACTIVE\_FLG ,WFR\_STEP' "LOCATION" ,T1.BUSOBJ\_NAME ,T1.ERROR\_PROCESS\_NAME ,T1.MODE\_CD ,T1.PROC\_NAME ,T1.VERSIONF...

| NAME  | ... | LOCATION               | PROC_NAME                        | BUSOBJ_NAME                             | MODE_CD      |
|---|-----|------------------------|----------------------------------|---|--------------|
| FINS CF Vehicle Turn In Workflow: 0               | N   | WFR_CONDITION_CRITERIA | FINS CF Vehicle Turn In Workflow | FINCORP Account                         |              |
| Interaction Process: 0                            | N   | WFR_CONDITION_CRITERIA | Interaction Process              | eAuto Vehicle-Registration              | 7.0 Flow     |
| RB Set Asset Status: 0                            | N   | WFR_CONDITION_CRITERIA | RB Set Asset Status              | RB Asset Management                     | Service Flow |
| SIS OM Edit Complex Asset Workflow - Account: 17  | N   | WFR_CONDITION_CRITERIA | SIS OM Edit Complex Asset Wor... | Account                                 | Service Flow |
| SIS OM Edit Complex Asset Workflow - Contact: 31  | N   | WFR_CONDITION_CRITERIA | SIS OM Edit Complex Asset Wor... | Contact                                 | Service Flow |
| FINS CF Set Primary Vehicle Workflow: 0           | N   | WFR_STEP               | FINS CF Set Primary Vehicle W... | FINCORP Account                         |              |
| Interaction Process: 0                            | N   | WFR_STEP               | Interaction Process              | eAuto Vehicle-Registration              | 7.0 Flow     |
| RB - Account Membership Approval Workflow test... | N   | WFR_STEP               | RB - Account Membership Appr...  | Account                                 |              |
| RB - Account Membership Approval Workflow: 11     | N   | WFR_STEP               | RB - Account Membership Appr...  | Account                                 |              |
| RB - Contact Membership Approval Workflow test... | N   | WFR_STEP               | RB - Contact Membership Appr...  | Contact                                 |              |
| RB - Contact Membership Approval Workflow: 11     | N   | WFR_STEP               | RB - Contact Membership Appr...  | Contact                                 |              |
| RB Inactivate POA Assets: 0                       | N   | WFR_STEP               | RB Inactivate POA Assets         | RB Asset Management                     | Service Flow |
| RB Query Foreign Currency Account: 2              | N   | WFR_STEP               | RB Query Foreign Currency Acc... | Asset Management - Product Configurator | Service Flow |
| RB Set Asset Status: 0                            | N   | WFR_STEP               | RB Set Asset Status              | RB Asset Management                     | Service Flow |
| SIS OM Move Service Point Check: 0                | N   | WFR_STEP               | SIS OM Move Service Point Check  | CUT Premise                             | 7.0 Flow     |
| SIS OM New Products & Services Process - VOR      | N   | WFR_STEP               | SIS OM New Products & Service    | WORD Network Asset                      |              |

[ NAME ] null  
 [ MODE\_CD ] null  
 [ INACTIVE\_FLG ] null  
 [ LOCATION ] RB - Account Membership Approval Workflow  
 [ PROC\_NAME ] null  
 [ VERSION ] null  
 [ BUSOBJ\_NAME ] 11  
 [ ERROR\_PROCESS\_NAME ] null

```

where t5.name = 'Siebel Repository'
and t1.status_cd = 'COMPLETED'
and t6.table_name = 'S_ASSET'
union
select t1.NAME
,t1.INACTIVE_FLG
,'WFR_PROCESS_PROP' "LOCATION"
,t1.BUSOBJ_NAME
,t1.ERROR_PROCESS_NAME
,t1.MODE_CD
,t1.PROC_NAME
  
```

All queries you will write will have to be parameterized as you would want to reuse the query for any possible base table or even for a combination of base tables. Once you have your query the task of building it into Ixanos is simple. Just cut and paste it into the menu creation wizard, determine the dynamic parts by replacing them with tags in the form of  **[&n]**, where **n** = Integer and next time you will only need to supply the name or names of the tables something to do with them.

in order to retrieve the workflows that have

As a snapshot of the menu creation wizard for this particular case is:

particular case is:

List all Workflows using a specific Base Table

```

SQL Statement
where t5.name = 'Siebel Repository'
and t1.status_cd = 'COMPLETED'
and t6.table_name = ' [&3] '
union
select t1.NAME
,t1.INACTIVE_FLG
,'WFR_PROCESS_PROP' "LOCATION"
,t1.BUSOBJ_NAME
,t1.ERROR_PROCESS_NAME
  
```

Description Of Required Input Parameters

1) the Base Table (example : \$\_ASSET)

| Arguments | User Input |
|-----------|------------|
| [&3]      | \$ ASSET   |

OK Cancel

As a snapshot of my workflow menu in Ixanos:

```
List all Workflows using a specific BO
List all Workflows using a specific BC
List all Workflows using a specific Base Table
List all Workflows using a specific Field of a BC
List all Workflows using a specific Applet
List all Workflows using a specific Field of an Applet
List all Workflows using a specific BS
List all Workflows using a specific IO
```

As you see I have queries to fully reveal all workflow more? Yes. Sure. Depends on what the next project will

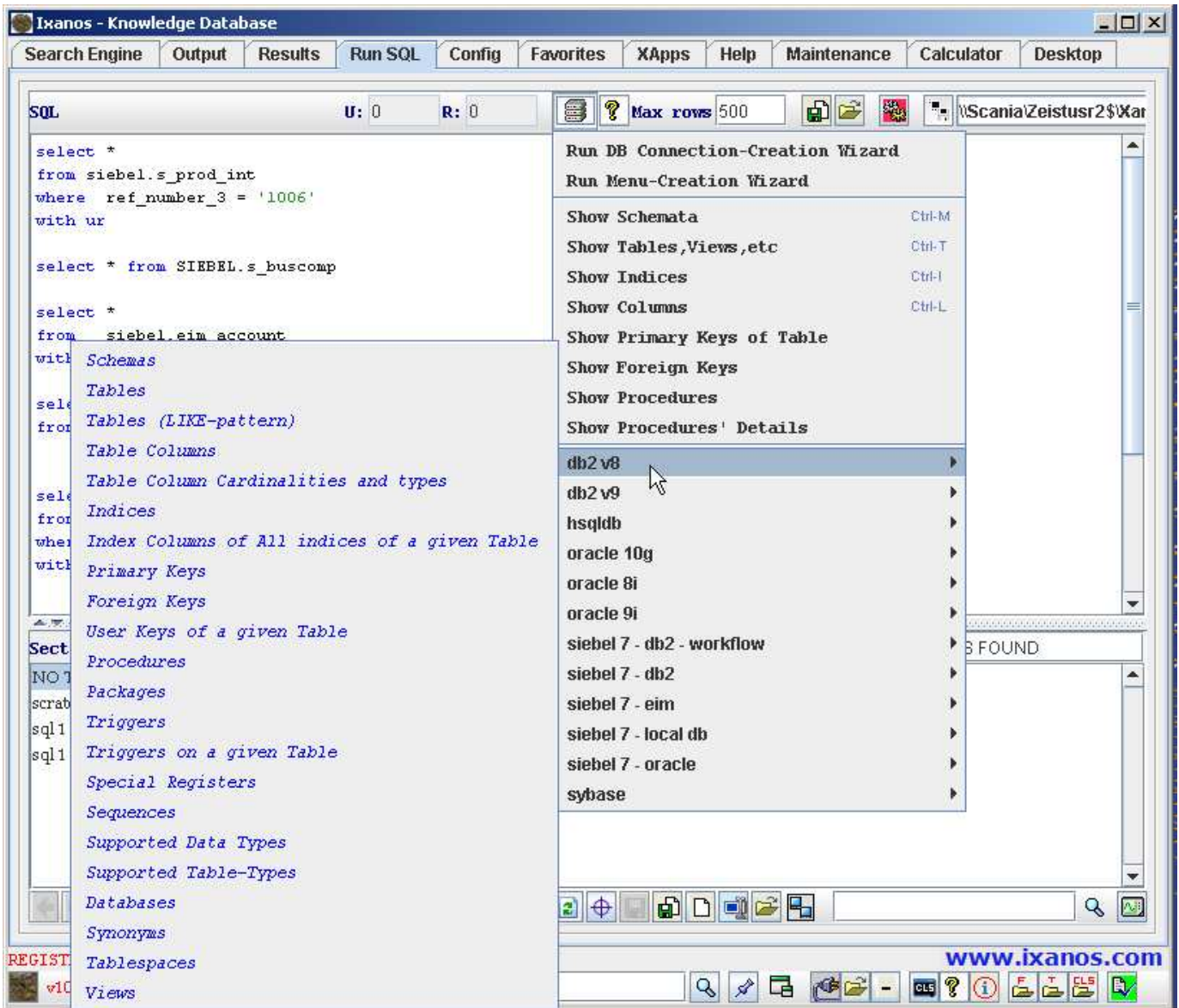
processes based on many criteria. Will there be a need.

You could of course prepare menus that speed up you can connect to any environment for which you have a statement to be database dependent **.I have the same multi-window environment when I run statements against my local Sybase database!**

own particular work. The beauty of this is that you can have a suitable JDBC driver and you can define your SQL statements

Further on, you can build your own Siebel knowledge needs. After some time your tailor made Siebel menu

database, tailor made to suit your own particular work should probably look like mine:

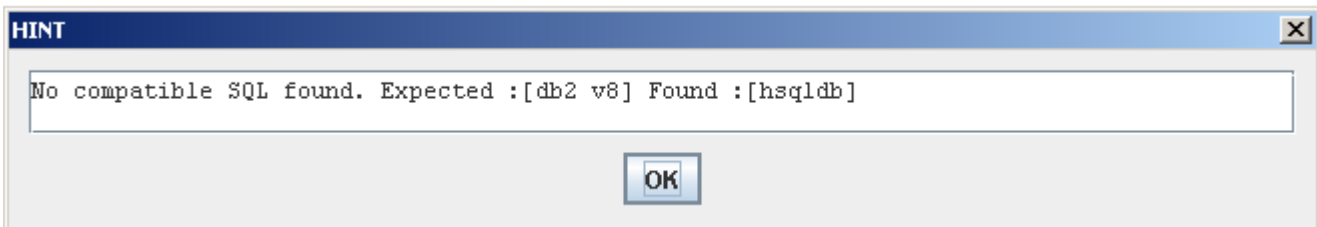


For example, an SQL statement that you have prepared for an inactive database column that are mapped to active the one that is prepared for a DB2 v8 database.

for an Oracle 8i database for displaying all business component fields may not look the same as

During the creation of an SQL menu in Ixanos, you will need to determine the database type. Afterwards and any time you execute this menu, Ixanos will check if the currently active connection is of the same database type and will complain if it is not. If for example you execute an SQL statement defined for a DB2 v8 database again in an HSQL database, you will get

an error message like this:



Except, finding objects using Ixanos it makes also against any new project environment to assess the example is the query I mentioned above. Namely, to active business Component fields. Similarly, you may

good sense to prepare validation scripts and run them in a strong and weak points in the repository. A typical identify inactive database column that are mapped to you wish to identify any LOV/EA data maps

active/inactive differences when switching from one environment to another. You can prepare many queries for this purpose. You could perhaps combine them into a complete repository review.

Further on, if it is very useful to configure Ixanostoexport all scripts of the repository into a text file and to index it using Ixanos. Then I can run search engine queries against it. I could then identify a business component field in a business component property and also in a business services simultaneously (in the same query). This gives me a much faster and ydbetter understanding of what is there and what needs to be done.

Once you have set up Ixanos to contain most of the queries you need, you only need a USB port to run Ixanos from and you will always have the same front end in all your Siebel projects. You will not need to install it on your project computer, you can simply run it from your flash drive.

Regards  
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