

# JDEUTIL

Apply to your VIGILENS requests the security of your JDE user

## Presentation

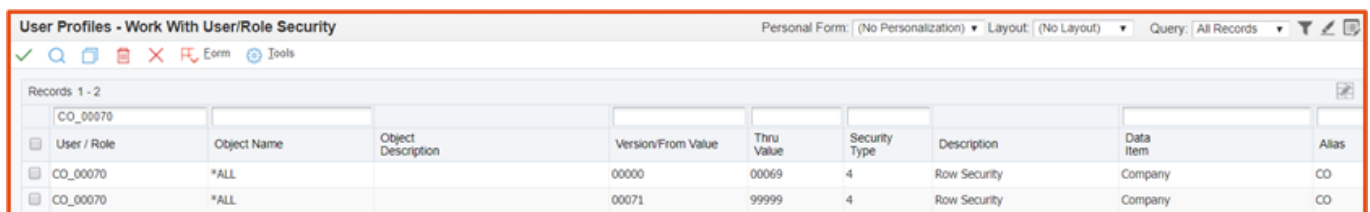
The optional JDEUtil module allows you to improve the integration of Vigilens with JDE EnterpriseOne, by dynamically retrieving in Vigilens, at runtime from JDE/E1 :

- The security of your JDE user
- The connected JDE user
- The JDE connection environment

## Case Study

### JDE security

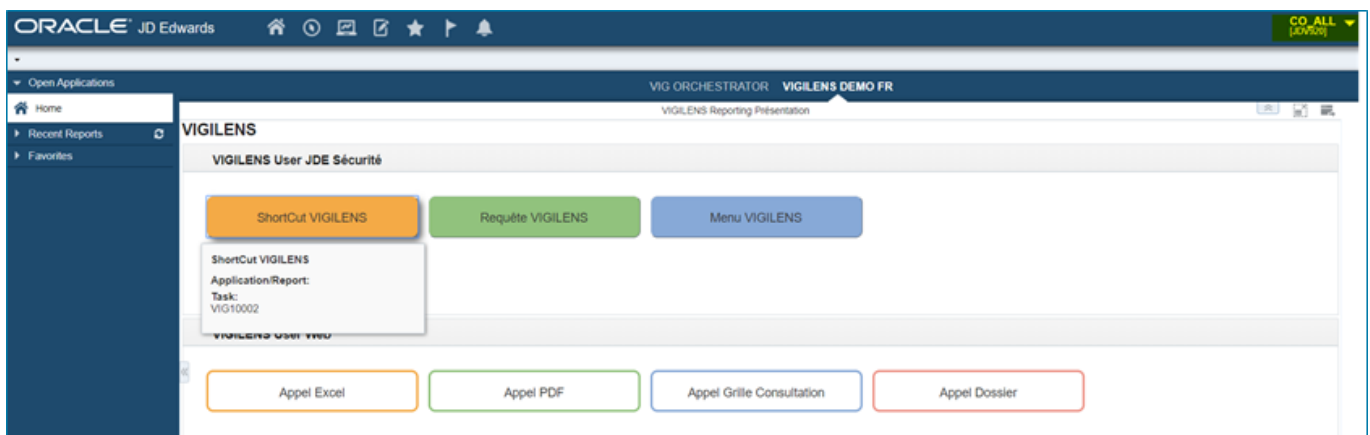
In JDE/E1, a user CO\_ALL has no security line, while the user CO\_00070 has the following lines:



User / Role	Object Name	Object Description	Version/From Value	Thru Value	Security Type	Description	Data Item	Alias
CO_00070	*ALL		00000	00069	4	Row Security	Company	CO
CO_00070	*ALL		00071	99999	4	Row Security	Company	CO

### user CO\_ALL

Now, the user CO\_ALL connects to JDE and clicks on a Vigilens link:



The user does not reconnect in VIGILENS, nor does he use a generic user

The user CO\_ALL has no restriction in JDE, the execution of the query displays the result for all the

companies.

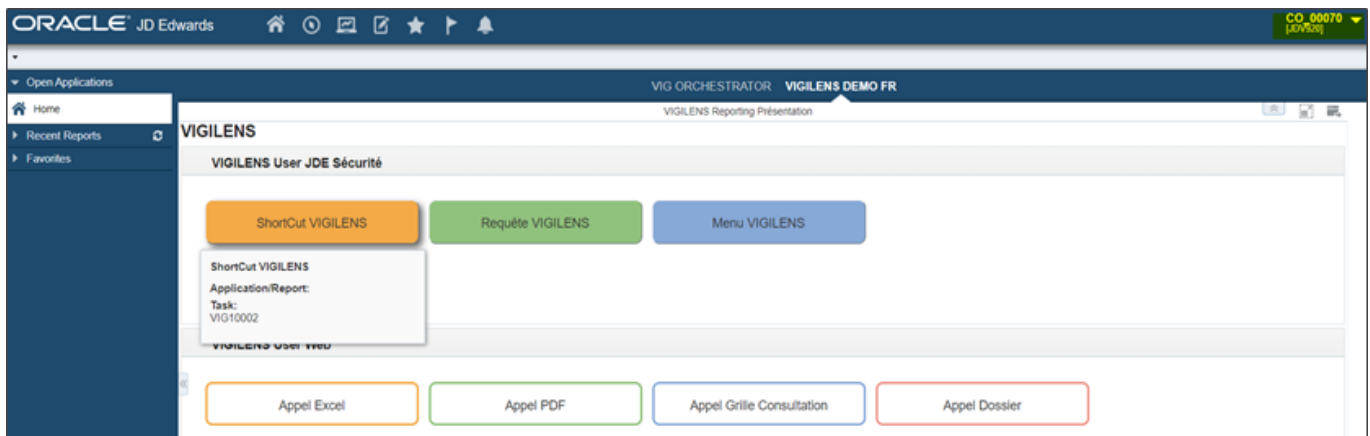


The screenshot shows a web interface with a blue sidebar on the left and a main content area. The main area has a title 'RÉSULTAT POUR LA REQUÊTE : SECURITE JDE' and a table of results. The table has four columns: 'SOCIÉTÉ SOCIÉTÉ (COMPANY CONSTANTS)', 'SOCIÉTÉ - JDESCR1', 'CHIFFRE D'AFFAIRES SUM(PRIX TOTAL (SALES ORDER DETAIL FILE))', and 'EXPRS -EUR-'. The table lists eight companies with their respective financial values. At the bottom, there is a pagination indicator 'Affiche les enregistrement : (1 - 8) / 8' and navigation buttons 'PRÉCÉDANT' and 'SUIVANT'.

SOCIÉTÉ SOCIÉTÉ (COMPANY CONSTANTS)	SOCIÉTÉ - JDESCR1	CHIFFRE D'AFFAIRES SUM(PRIX TOTAL (SALES ORDER DETAIL FILE))	EXPRS -EUR-
00001	Financial/Distribution Company	17 943 610.82	EUR
00070	Luxe de France	2 459 069.43	EUR
00080	Colombian ECS Company	125 775.00	EUR
00200	Manufacturing/Distribution Co.	24 139 856.35	EUR
02008	Taiwan Company	1 500.00	EUR
02009	India Localization Company	2 800.00	EUR
07600	Brazilian Company	33.56	EUR
48264	Worldwide Suppliers Ltd.	0.00	EUR

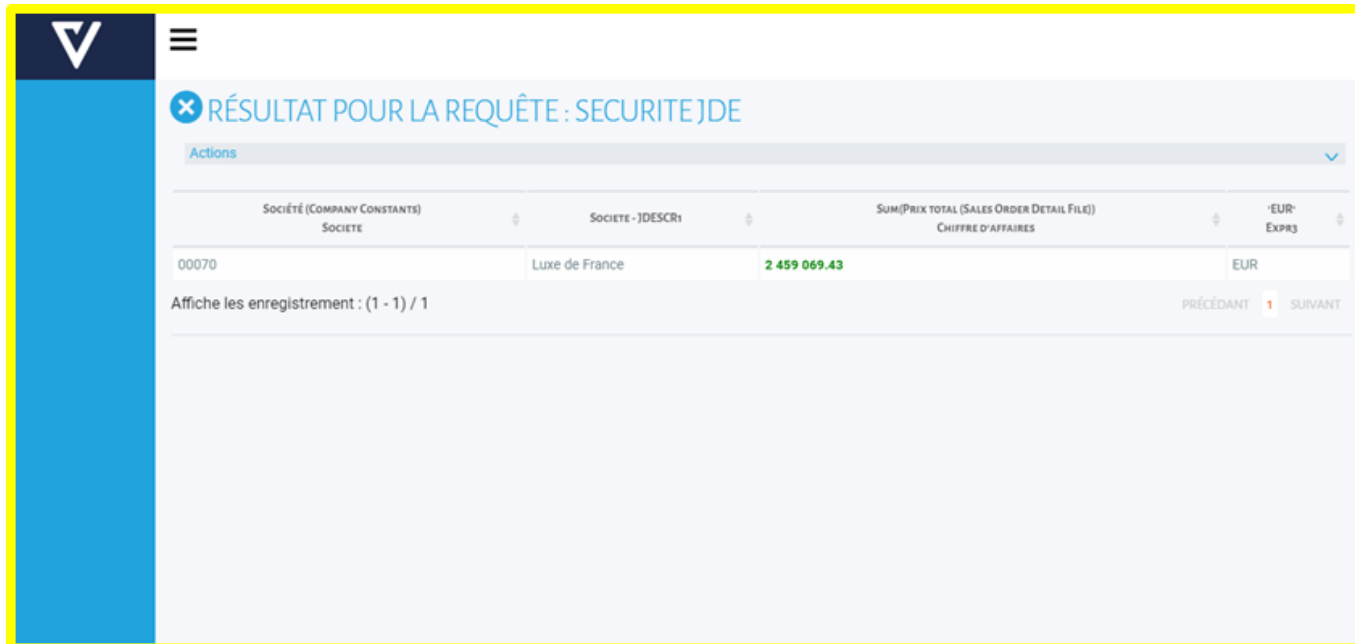
## user CO\_00070

The user CO\_00070 connects to JDE and clicks on a Vigilens link:



The user does not reconnect in VIGILENS, nor does he use a generic user

The user CO\_00070 only has access to the company 00070, VIGILENS adds this restriction automatically when the request is executed,



## Operating principle

JDEUTIL is a JD Edwards application specifically developed by VIGILENS (P59VLVIG) to apply the line security of the connected JDE user to queries executed from JD Edwards web.

1. The user launches a VIGILENS query from JDE
2. Creation of a record in the F59VGSEC table. This record is used to create an anonymous and ephemeral authorization to connect to VIGILENS
3. Vigilens Designer: The Vigilens user manages the authorization to access the requests
4. Vigilens Web displays the result

### The URL used is hidden and ephemeral

The identifier passed to VIGILENS is a unique key generated by JDEUTIL (P59VLVIG). The identifier is therefore anonymous



[http://XXXXXXXXXX/Vigilens/table.php?vglCtrlName=DEMO/SECURITE\\_JDE&vglUserName=JDEUTIL&vglSecurDB=JDE\\_VIGILENS&vglSecurEnv=DV920&vglSecurID=290](http://XXXXXXXXXX/Vigilens/table.php?vglCtrlName=DEMO/SECURITE_JDE&vglUserName=JDEUTIL&vglSecurDB=JDE_VIGILENS&vglSecurEnv=DV920&vglSecurID=290)

VIGILENS will then delete the record containing the ID. Even if we manage to reuse the hidden URL, it will no longer be valid

**THE SECURITY IS THUS MAXIMUM**

## Installation & Setup

## Installation in JDE

### Delivered JDE Objects

JDEUtil consists of several JDE/E1 objects, including:

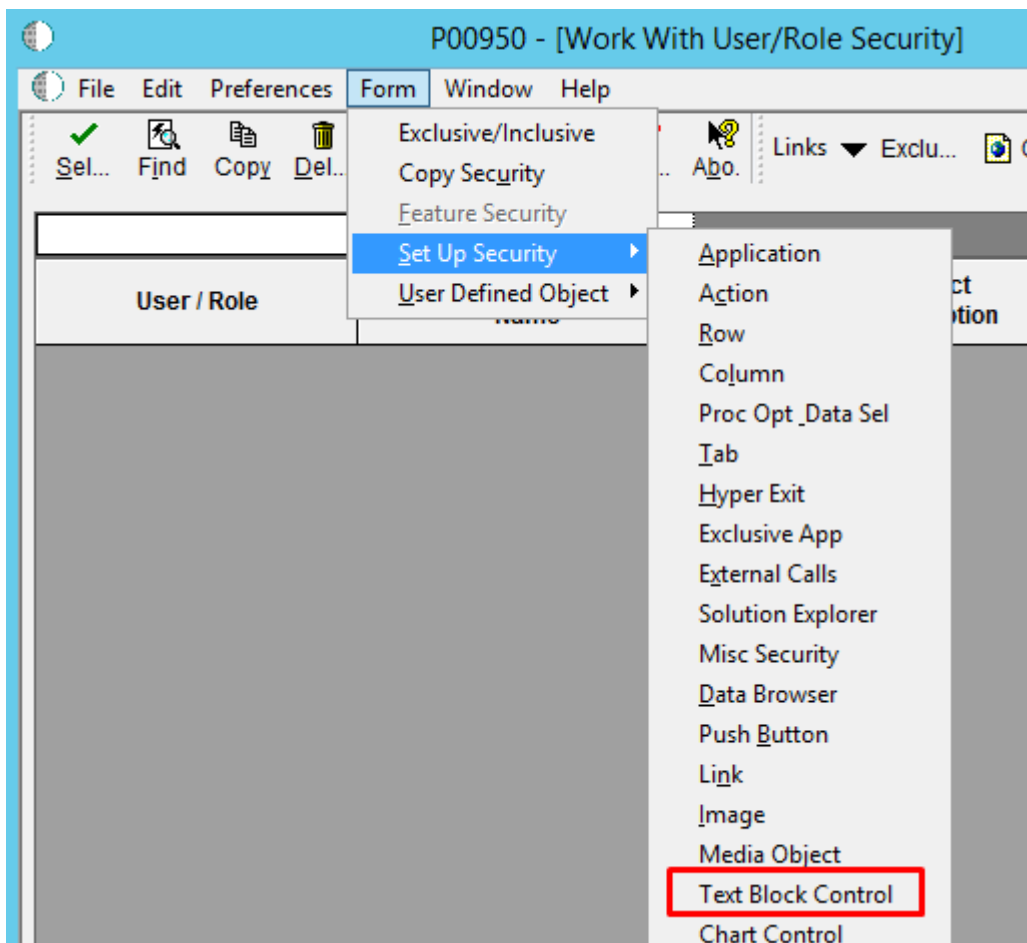
- A P59VLVIG application
- A F59VGSEC table

These objects are delivered as a .par file, which must be restored in JDE by OMW. The objects must be promoted, packaged and deployed in all environments where JDEUtil is to run. The specific table must be generated in the different data sources.

### Text Block Security

To ensure the correct behaviour of the application when launching the connection chain, it is necessary to set security to prevent the Encoding of the P59VLVIG application.

- Open the program P00950 (in web or fat client) and choose the screen output “Text Block” (which corresponds to type “K”)



- secure Encoding for all users (\*PUBLIC) for the object P59VLVIG

Application/ Form	Version   SubForm	SubForm Name	Text Block Descriptio	Text Block ID	Enable	View	Application Encoding
*ALL				0	Y	Y	N
P59VLVIG				0	Y	Y	N

## Processing Options

**Processing Options**

✓ ✗

**Options**

1. Vigilens Server URL

2. Vigilens User

2.1 Use JDE User as Vigilens User (default)  
'' or 1 Yes  
0 No

2.2 Vigilens User

3. Vigilens DB Source

4. Vigilens DB Source Environment

5. Request Name

6. Use current environmen for business queries  
'',N No  
Y Yes

- 1) This is the address of the VigilensWeb server.
  - Ex : <http://VigilensWEB/Vigilens>

- 2) This is the Vigilens user for accessing shared directories
  - 2.1) Named user or JDE user?
    - If empty or 1 JDEUTIL takes the user connected to JDE to access VIGILENS (Warning, it is necessary that the JDE user is also created as a VIGILENS user cf import user JDE) if the JDE user does not exist in the VIGILENS users then JDEUTIL will take the user of option 2.2
    - Otherwise the user of option 2.2 will be the user VIGILENS
  - 2.2) Vigilens User
- 3) Used only to access tables F59VGSEC and F00950 for security purposes (no link with query result data)
  - If option 6 is set to empty or N then options 3 and 4 are used to define the data source for security (the environment for the data will be the one defined in VIGILENS Designer)
  - If option 6 is set to Y then options 3 and 4 are not used
- 4) Same as OT 3
  - PD920 for the PRODUCTION environment
- 5) Path and name of the request to execute
  - If empty, Vigilens Web opens the main window of the interface on the source folder(s) defined for the connected user
  - Otherwise enter the path and name of the query to execute (Note that the path defined should not start from the root but from the user's root folder cf [https://vigilens.wiki/dokuwiki/doku.php?id=v8\\_0\\_0:en:admintool:menus:gestion:utilisateur:start&s\[\]=user](https://vigilens.wiki/dokuwiki/doku.php?id=v8_0_0:en:admintool:menus:gestion:utilisateur:start&s[]=user) )
- 6) Data source for the query data
  - If empty or N the data source for the DATA will be that defined in VIGILENS Designer
  - If Y, the data source for the DATA will be the one used in the JDE environment

## Execution from JDE

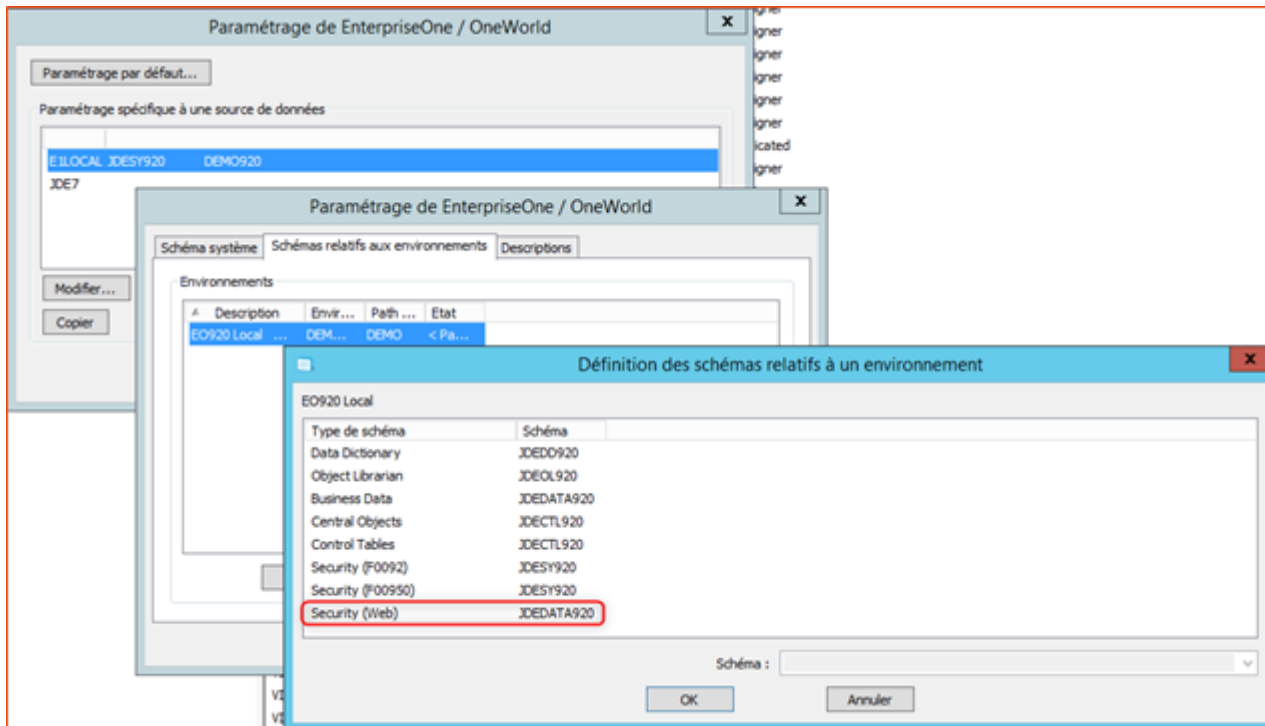
There are 2 possibilities to use JDEUTIL:

- Calling directly in the menus the P59VLVIG. The selected version will define the actions to be performed
- Call the P59VLVIG shortcut. This process allows you to create only one version of the P59VLVIG and to control the processing options directly in the URL

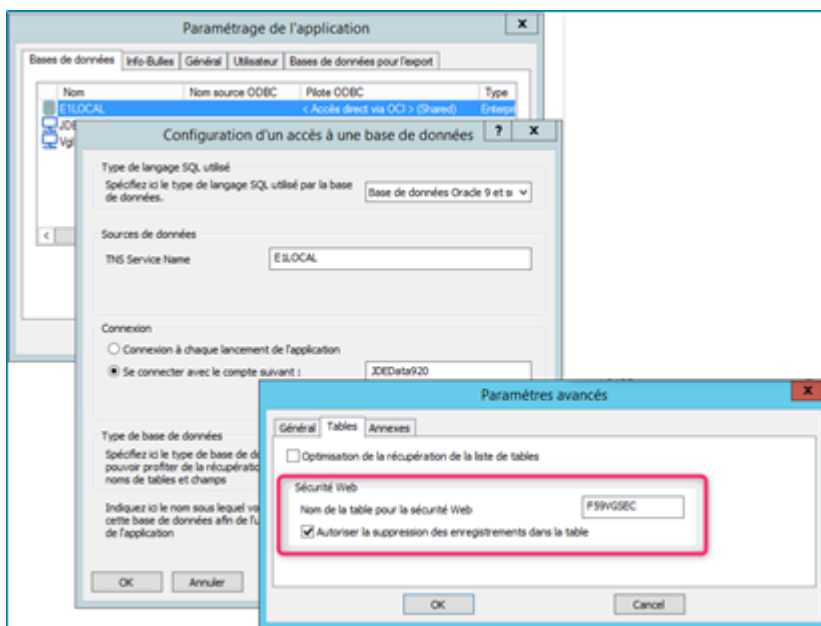
[http://adresse\\_de\\_JDE/jde/ShortcutLauncher?0ID=P59VLVIG\\_W59VLVIGA\\_Version\\_du\\_P59VLVIG&FormDSTmpl=|1|2|3|4|5|6|7|&FormDSData=|option\\_de\\_traitement\\_1|option\\_de\\_traitement\\_2|option\\_de\\_traitement\\_3|option\\_de\\_traitement\\_4|option\\_de\\_traitement\\_5|option\\_de\\_traitement\\_6|option\\_de\\_traitement\\_7|](http://adresse_de_JDE/jde/ShortcutLauncher?0ID=P59VLVIG_W59VLVIGA_Version_du_P59VLVIG&FormDSTmpl=|1|2|3|4|5|6|7|&FormDSData=|option_de_traitement_1|option_de_traitement_2|option_de_traitement_3|option_de_traitement_4|option_de_traitement_5|option_de_traitement_6|option_de_traitement_7|)

## Setting up VIGILENS

### Define access to the F59VGSEC table



### Enable record deletion



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Permanent link: [https://vigilens.wiki/dokuwiki/doku.php?id=en:v8\\_0\\_0:jdeutil:start&rev=1626184160](https://vigilens.wiki/dokuwiki/doku.php?id=en:v8_0_0:jdeutil:start&rev=1626184160)

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