

# 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.

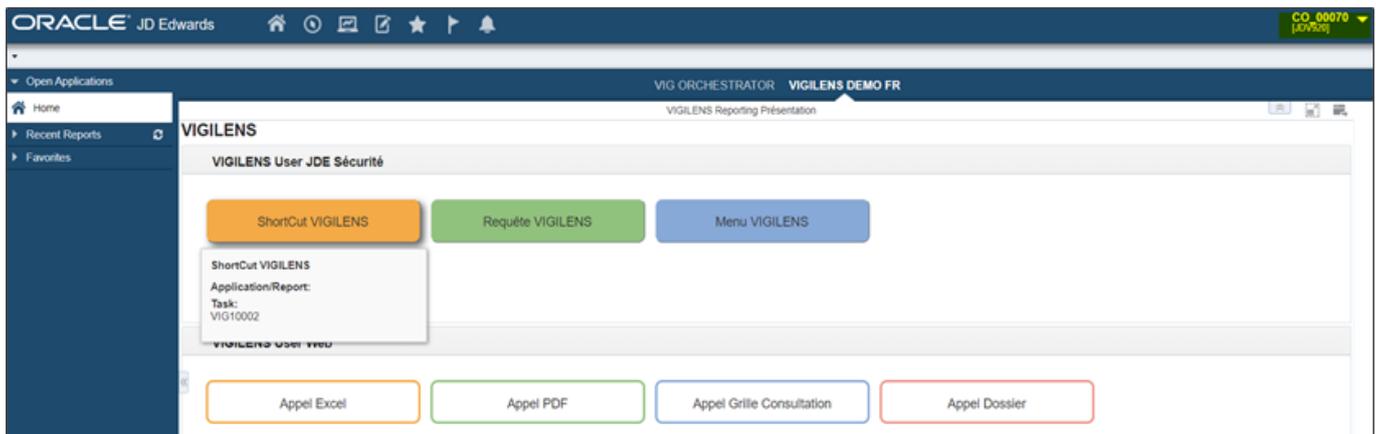


The screenshot shows a web interface with a blue sidebar and a main content area. The title is 'RÉSULTAT POUR LA REQUÊTE : SECURITE JDE'. Below the title is a table with columns: 'SOCIETE SOCIÉTÉ (COMPANY CONSTANTS)', 'SOCIETE - JDESCR1', 'CHIFFRE D'AFFAIRES SUM(PRIX TOTAL (SALES ORDER DETAIL FILE))', and 'EXPR3 -EUR-'. The table lists 8 companies with their respective financial values. At the bottom, it says 'Affiche les enregistrement : (1 - 8) / 8' and has navigation buttons 'PRÉCÉDANT' and 'SUIVANT'.

SOCIETE SOCIÉTÉ (COMPANY CONSTANTS)	SOCIETE - JDESCR1	CHIFFRE D'AFFAIRES SUM(PRIX TOTAL (SALES ORDER DETAIL FILE))	EXPR3 -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,

The screenshot shows a web application interface with a blue sidebar on the left and a main content area. The main content area has a header with a blue 'X' icon and the text 'RÉSULTAT POUR LA REQUÊTE : SECURITE JDE'. Below the header is a table with the following columns and data:

SOCIÉTÉ (COMPANY CONSTANTS) SOCIETE	SOCIETE - JDESCR1	SUM(PRIX TOTAL (SALES ORDER DETAIL FILE)) CHIFFRE D'AFFAIRES	'EUR' EXPR3
00070	Luxe de France	2 459 069.43	EUR

Below the table, it says 'Affiche les enregistrements : (1 - 1) / 1' and has navigation buttons 'PRÉCÉDANT' and 'SUIVANT'.

## 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**

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