

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 screenshot shows the Oracle JD Edwards interface. The top navigation bar includes 'ORACLE JD Edwards' and a user profile dropdown for 'CO_ALL'. The main content area is titled 'VIGILENS' and 'VIGILENS User JDE Sécurité'. It features a grid of buttons: 'ShortCut VIGILENS' (orange), 'Requête VIGILENS' (green), and 'Menu VIGILENS' (blue). A tooltip for 'ShortCut VIGILENS' is visible, showing 'Application/Report: VIG10002' and 'Task: VIG10002'. Below the grid are four more buttons: 'Appel Excel' (orange), 'Appel PDF' (green), 'Appel Grille Consultation' (blue), and 'Appel Dossier' (red).

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.

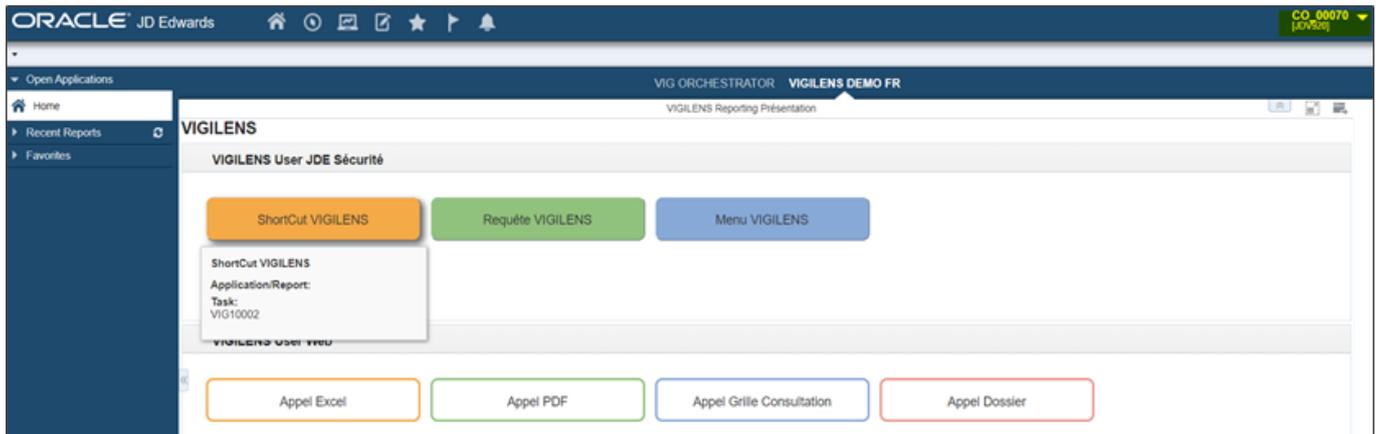


| SOCIETE Société (COMPANY CONSTANTS) | SOCIETE - JDESCR1 | CHIFFRE D'AFFAIRES SUM(PRIX TOTAL (SALES ORDER DETAIL FILE)) | EXPR3 -EUR- |
|--|--------------------------------|---|----------------|
| 00001 | Financial/Distribution Company | 17 943 610.82 | EUR |
| 00070 | Luxe de France | 2 459 069.43 | 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 |

Affiche les enregistrement : (1 - 8) / 8

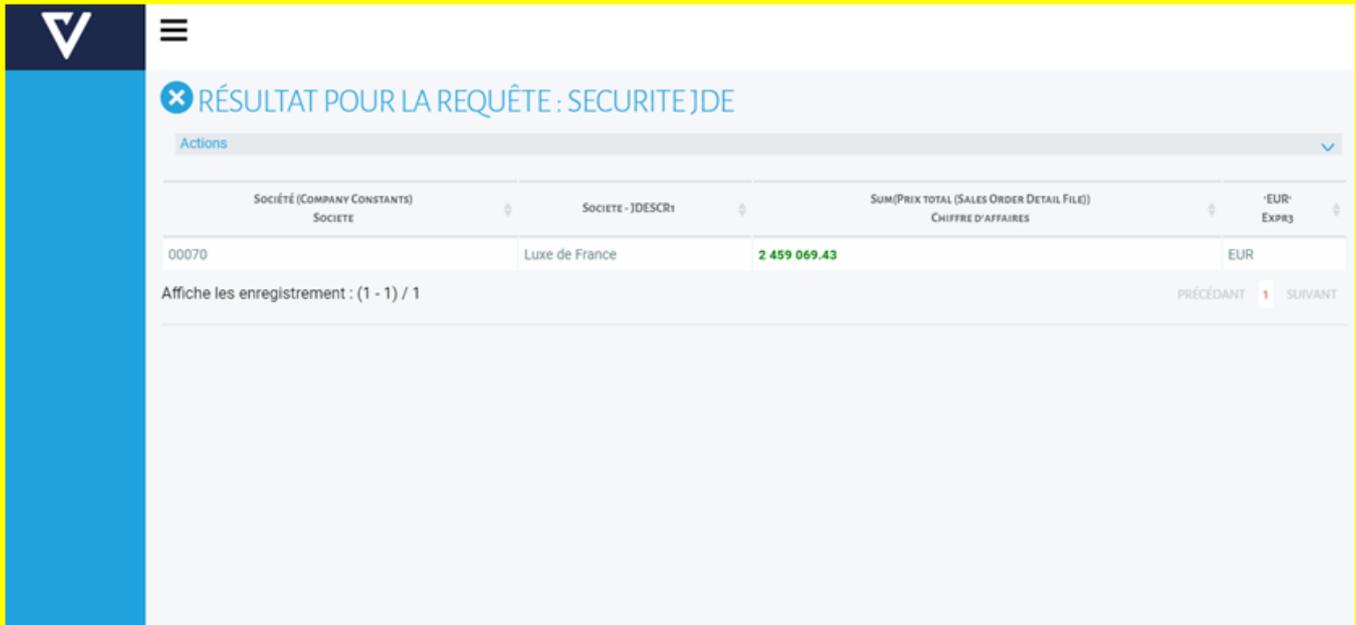
user CO_00070

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 displays the JDEUTIL application interface. At the top, there is a navigation bar with a logo and a menu icon. Below this, a header section shows the title 'RÉSULTAT POUR LA REQUÊTE : SECURITE JDE' and a dropdown menu labeled 'Actions'. The main content area features a table with the following columns: 'SOCIÉTÉ (COMPANY CONSTANTS) SOCIETE', 'SOCIETE - JDESCR1', 'SUM(PRIX TOTAL (SALES ORDER DETAIL FILE)) CHIFFRE D'AFFAIRES', and 'EUR EXP3'. The table contains one row with the following data: '00070', 'Luxe de France', '2 459 069.43', and 'EUR'. Below the table, there is a status bar indicating 'Affiche les enregistrements : (1 - 1) / 1' and navigation buttons for 'PRÉCÉDANT' and 'SUIVANT'.

| SOCIÉTÉ (COMPANY CONSTANTS) SOCIETE | SOCIETE - JDESCR1 | SUM(PRIX TOTAL (SALES ORDER DETAIL FILE)) CHIFFRE D'AFFAIRES | EUR EXP3 |
|-------------------------------------|-------------------|--|----------|
| 00070 | Luxe de France | 2 459 069.43 | EUR |

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

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:

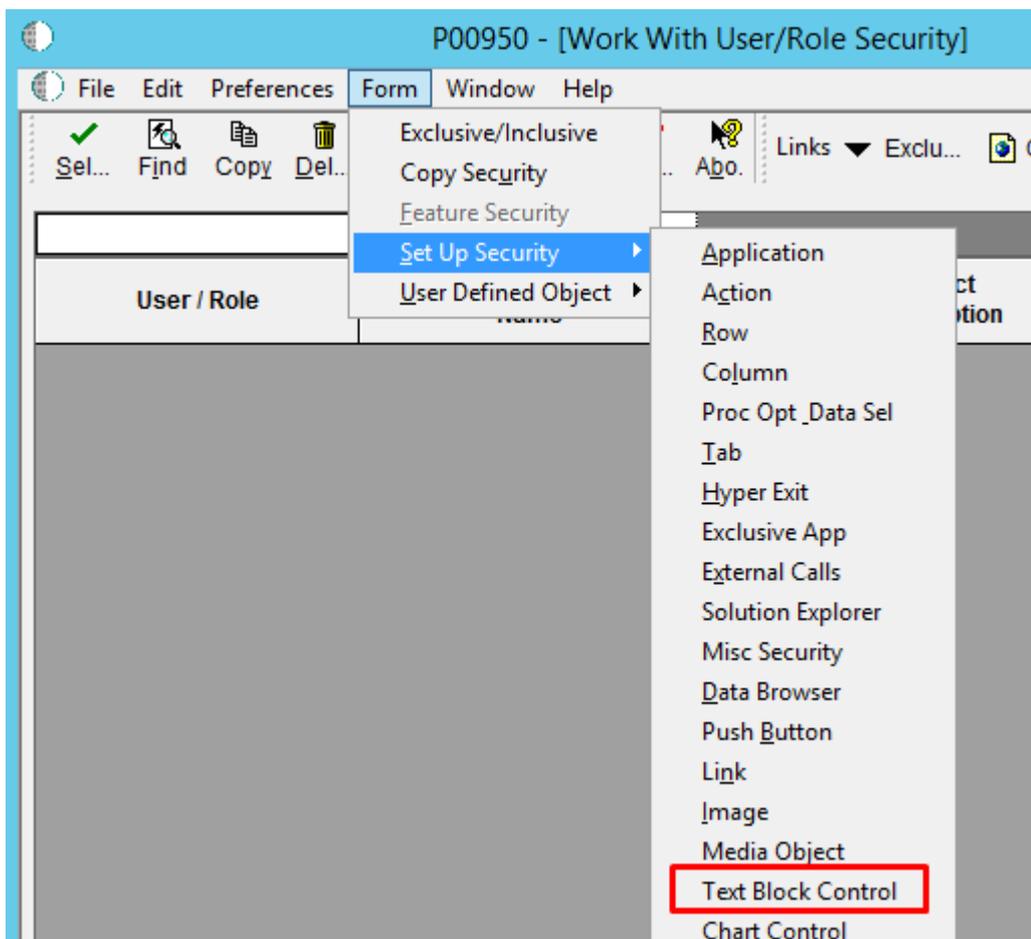
- A P59VLVIG application
- A F59VGSEC table

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

P00950 - [Text Block Control Security]

File Edit Preferences Row Window Help

Find Del... Close Sequ... Ne... Dis... Abo. Links All Ob... OLE ... Internet

User / Role: *PUBLIC

Display Secured Item: Application (*), Version (*), Form Name (*)

Display UnSecured Items: Application, Version, Product Code

Create with ...: View Enable Application Encodin

| Secured | Application/ Form | Version SubForm | SubForm Name | Text Block Descriptio | Text Block ID | Enable | View | Application Encoding |
|---------------------------|-------------------|-------------------|--------------|-----------------------|---------------|--------|------|----------------------|
| Secured | *ALL | | | | 0 | Y | Y | N |
| All Objects All Vers. | P59VLVIG | | | | 0 | Y | Y | N |
| Vigilens Launch We All Ve | | | | | | | | |
| UnSecured | | | | | | | | |

Row:3

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