



## Introduction à SQL Developer

Installation  
Organisation de l'EDI  
L'aide local  
Menu des préférences  
Informations en ligne  
tutoriel SQLDeveloper + TP

XH

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## SQL Developer



- Oracle SQL Developer is a **free** and *fully supported* graphical tool for database development
- With SQL Developer, you can browse database objects, run SQL statements and SQL scripts, and edit and debug PL/SQL statements
- You can also run any number of provided reports, as well as create and save your own
- SQL Developer enhances productivity and simplifies your database development tasks

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## SQL Developer : Simplicity

- SQL Developer is written in Java in order to be able to provide a cross platform tool. Using Java means the same tool runs on Windows, Linux and MAC OS X. This provides a uniform interface across platforms.
- SQL Developer's default connection to the database is using the thin JDBC driver. Defaulting to using the JDBC thin driver means there is no requirement for an Oracle client install minimizing the configuration and footprint.
- The install for SQL Developer is a simple unzip with a double-click to startup further simplifying the tool.

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## SQL Developer : Extensibility

- SQL-Developer Architecture
- The extension framework used by SQL Developer is leveraged from JDeveloper.
- Oracle provides an extension development kit with samples and documentation to help you build your own extensions. To see extensions already built, see the SQL Developer Extensions Exchange.

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## SQL Developer : Data Modeler Viewer

- A read-only SQL Developer Data Modeler Viewer is available for download
- This viewer allows users to open models created in the Data Modeler
- The read-only viewer is also embedded in Oracle SQL Developer 2.1

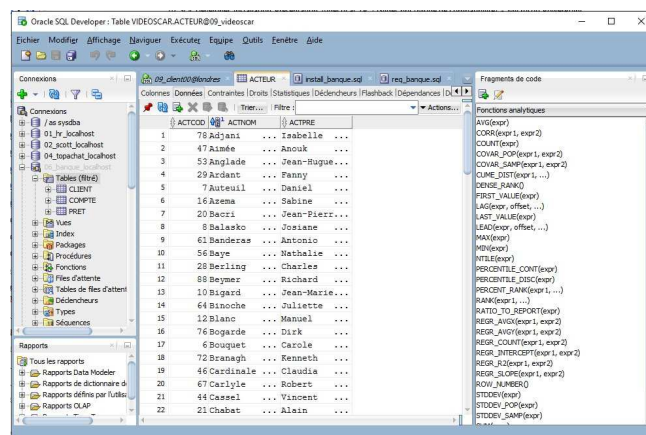
XH

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## Présentation de l'interface

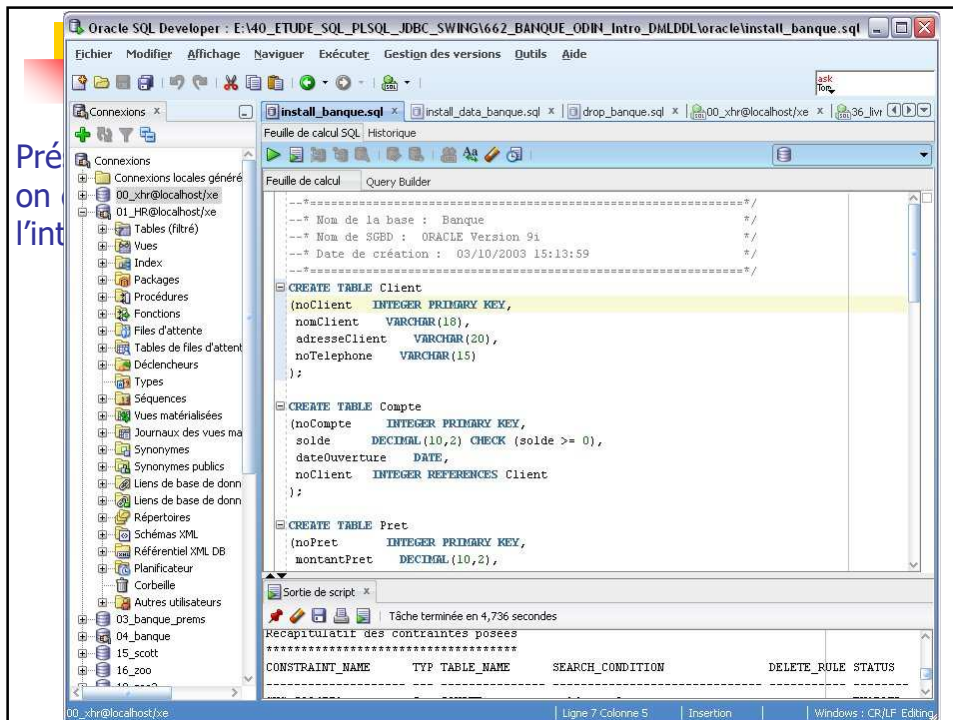


- Les objets à gauche
- Le SQL dans la « feuille de calcul SQL » (SQL-Worksheet)
- Edition de fichiers SQL

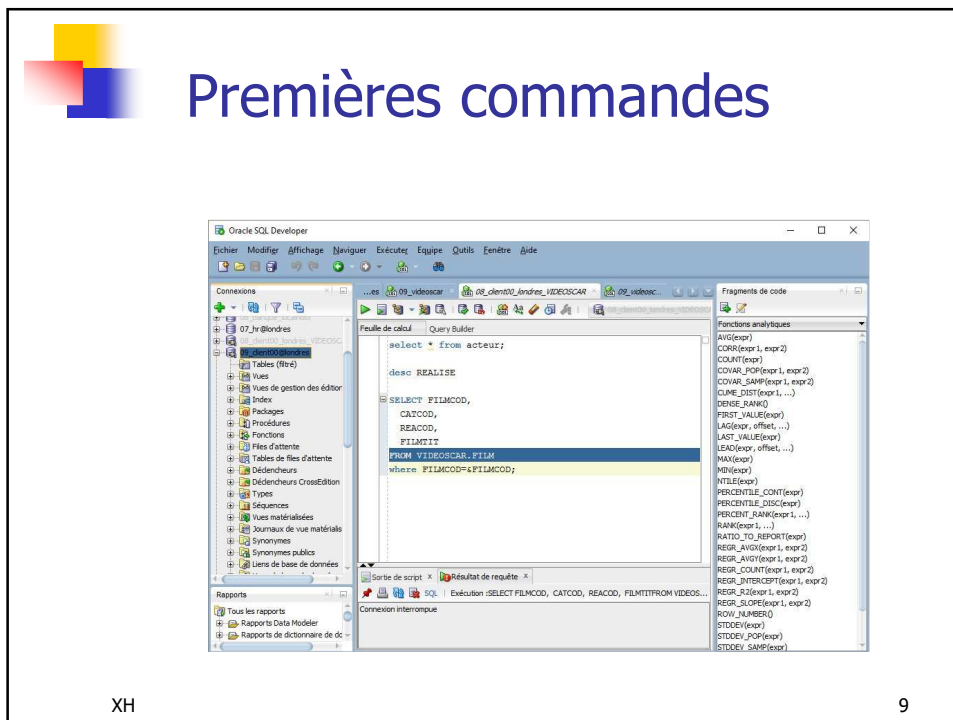
XH

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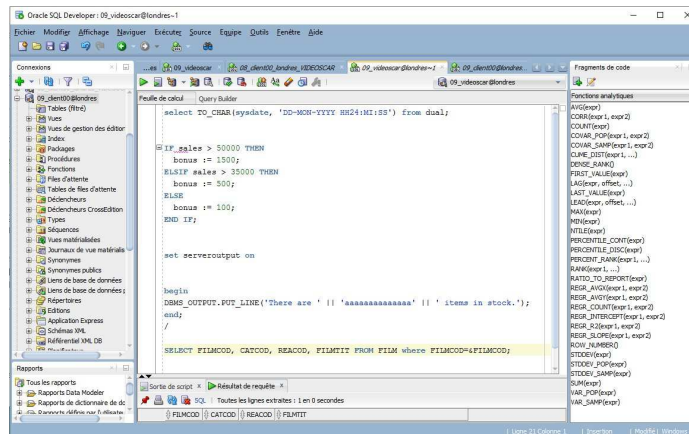
8



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# Premières commandes



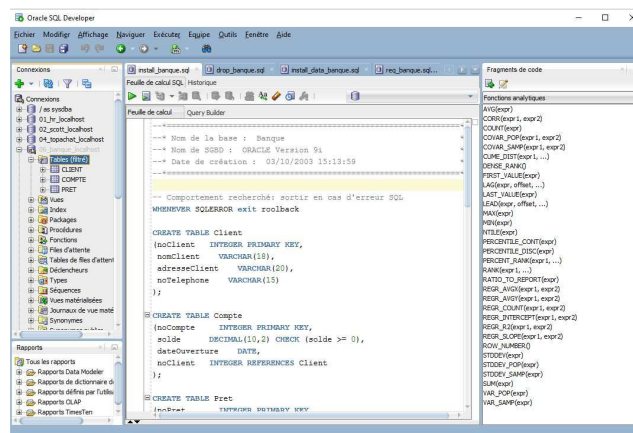
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# Les scripts d'un projet



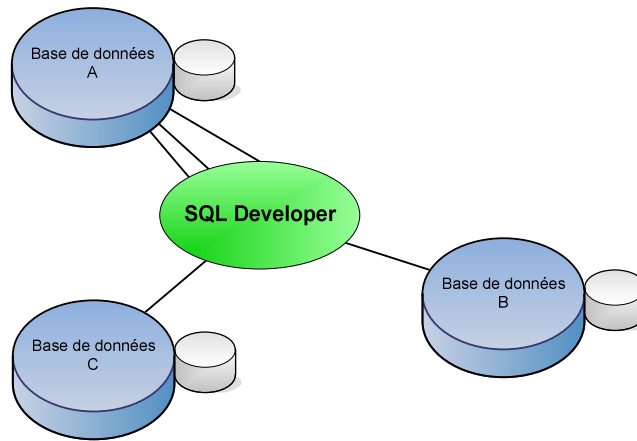
XH

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## Connexions multiples



- Rappel: SQL-Plus est mono-connexion

XH

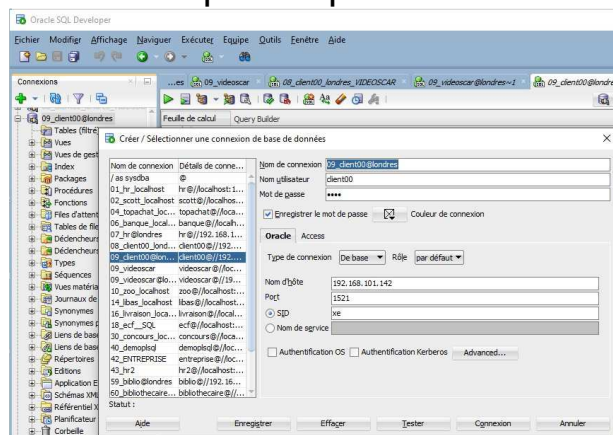
12

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## Client ORACLE-SQLDeveloper pour les stagiaires vers londres

- La connexion à tester
- User: client00 pwd: afpa



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## En cas d'échec au test

- Vérifiez le flux réseau vers le serveur londres

```
Command Prompt
Microsoft Windows [version 10.0.10586]
(c) 2015 Microsoft Corporation. Tous droits réservés.

C:\Users\xher\Desktop>ping 192.168.101.142

Envoi d'une requête 'Ping' 192.168.101.142 avec 32 octets de données :

Réponse de 192.168.101.142 : octets=32 temps=2 ms TTL=64
Réponse de 192.168.101.142 : octets=32 temps=1 ms TTL=64
Réponse de 192.168.101.142 : octets=32 temps=1 ms TTL=64
Réponse de 192.168.101.142 : octets=32 temps=2 ms TTL=64

Statistiques Ping pour 192.168.101.142:
    Paquets : envoyés = 4, reçus = 4, perdus = 0 (perte 0%),
    Durée approximative des boucles en millisecondes :
        Minimum = 1ms, Maximum = 2ms, Moyenne = 1ms

C:\Users\xher\Desktop>ping 192.168.101.10
```

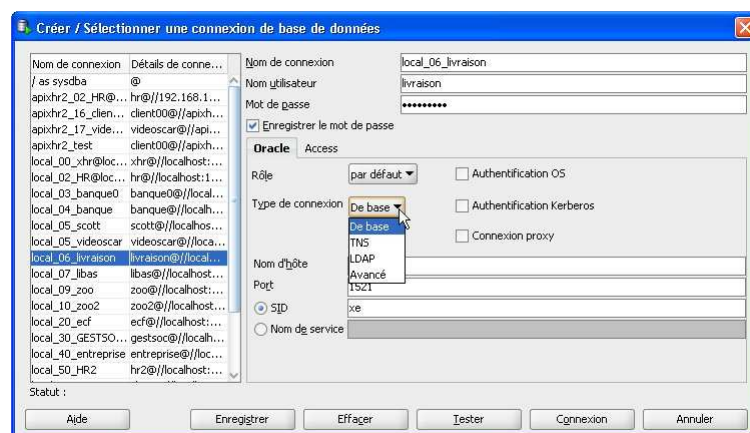
XH

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## Type de connexion



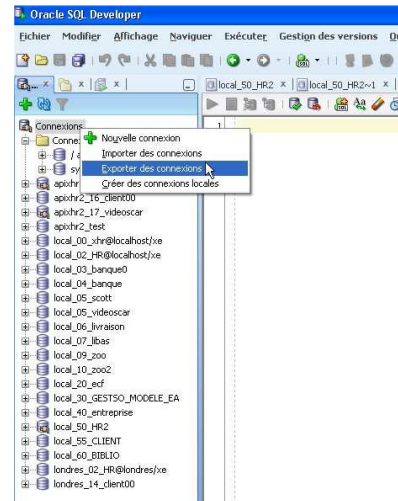
XH

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## Sauvegarde des connexions



- On sauvegarde dans un fichier XML

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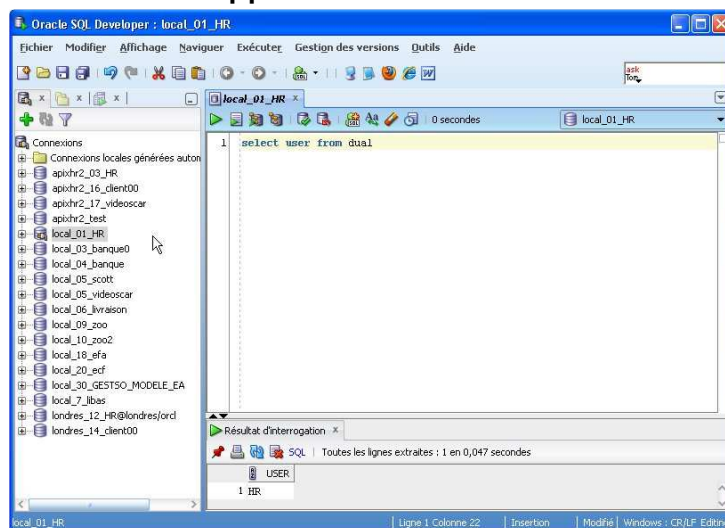
16

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## La feuille de calcul SQL (SQL Worksheet)

- Équivalent de sqlplus



XH

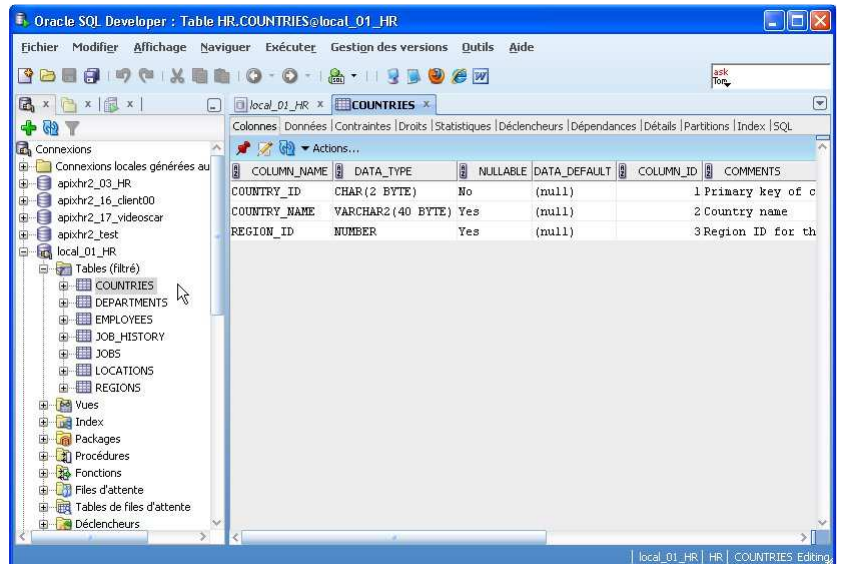
17





# La découverte des objets

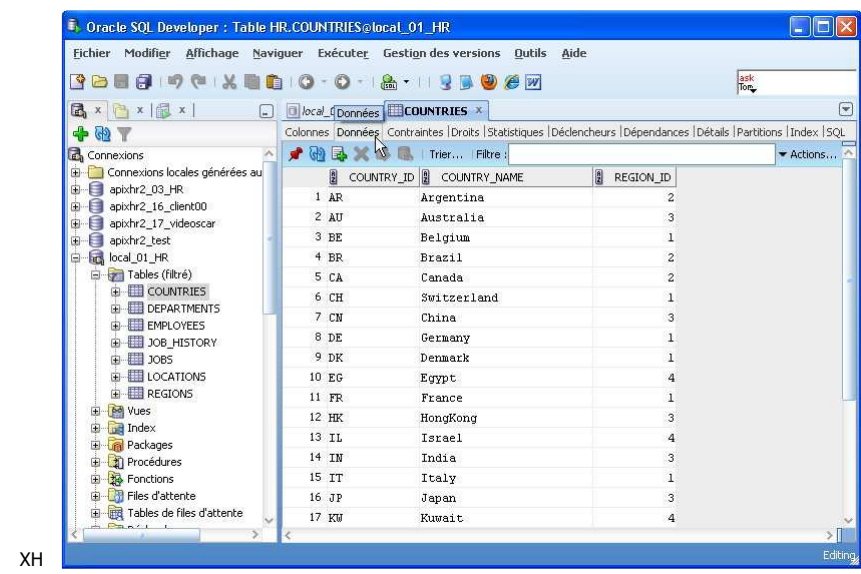
- L'exploration se fait après la connexion



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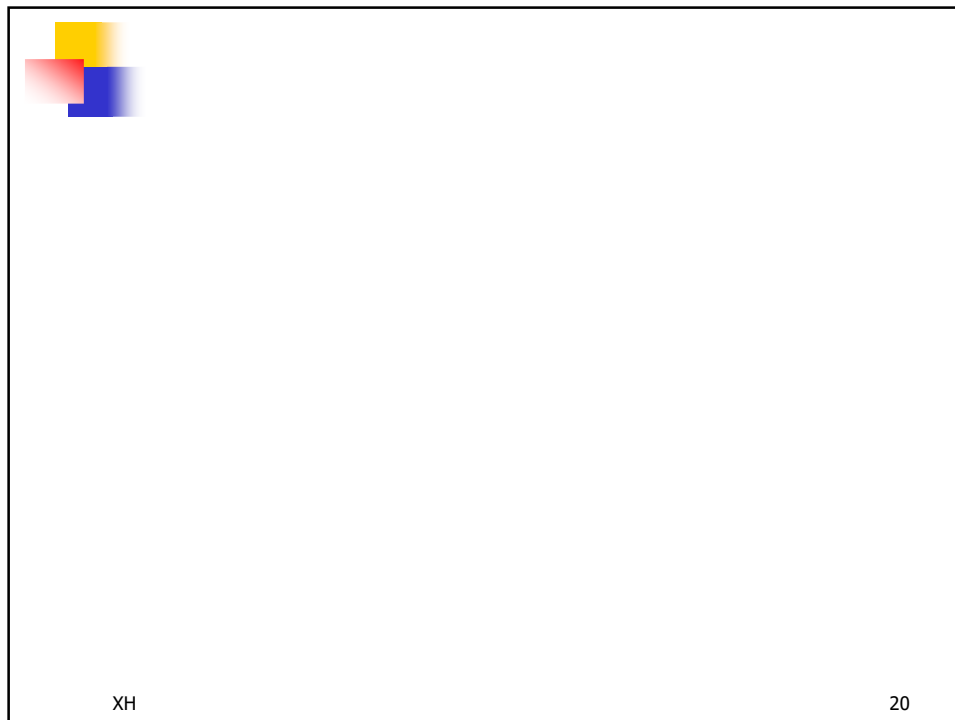


# Contenu d'une table




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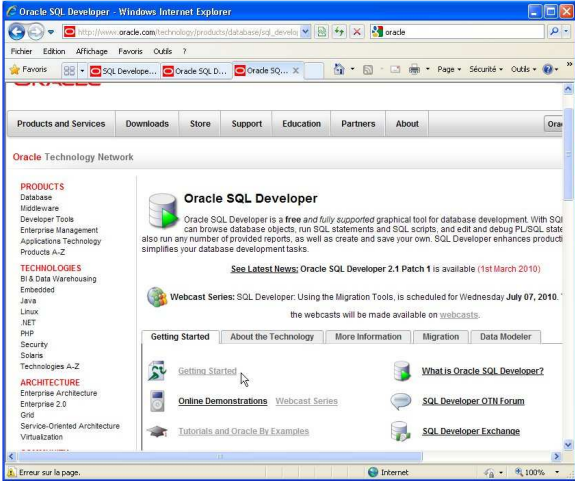
20



## Page d'accueil SQL Developer

- Oracle SQL Developer : Page d'accueil →
- [http://www.oracle.com/technology/products/database/sql\\_developer/index.html](http://www.oracle.com/technology/products/database/sql_developer/index.html)
- Dernière version 2.1 : Oracle SQL Developer 2.1 Patch 1 (2.1.1.64.45) [Released 01 March 2010]
- Toujours « free download » ?

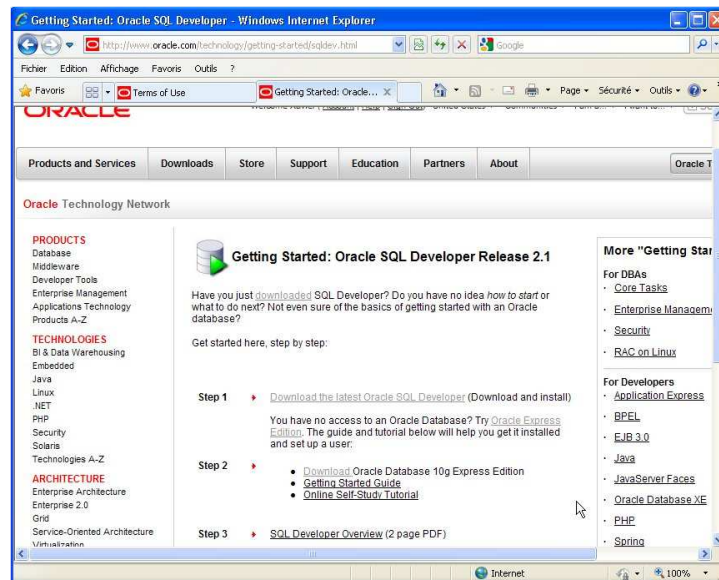




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## Getting started



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## Instructions d'installation

**Oracle SQL Developer for Windows (This zip does not include a JDK)**

**To install and run:**

- Ensure you have a JDK installed, if not, download here \*  
(click 'Download JDK 5.0 Update <xx>') (where <xx> is the latest update)
- Download the file above
- Extract sqldeveloper.zip into any folder, using folder names
- Within that folder, open the sqldeveloper folder
- Double-click sqldeveloper.exe

- Variable d'environnement `JAVA_HOME` doit être déclarée

XH

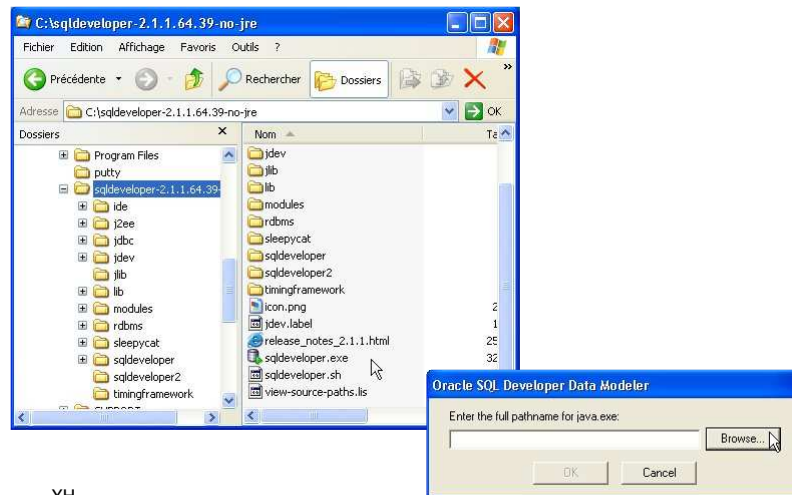
23

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## Au premier lancement

- Demande de la machine virtuelle Java



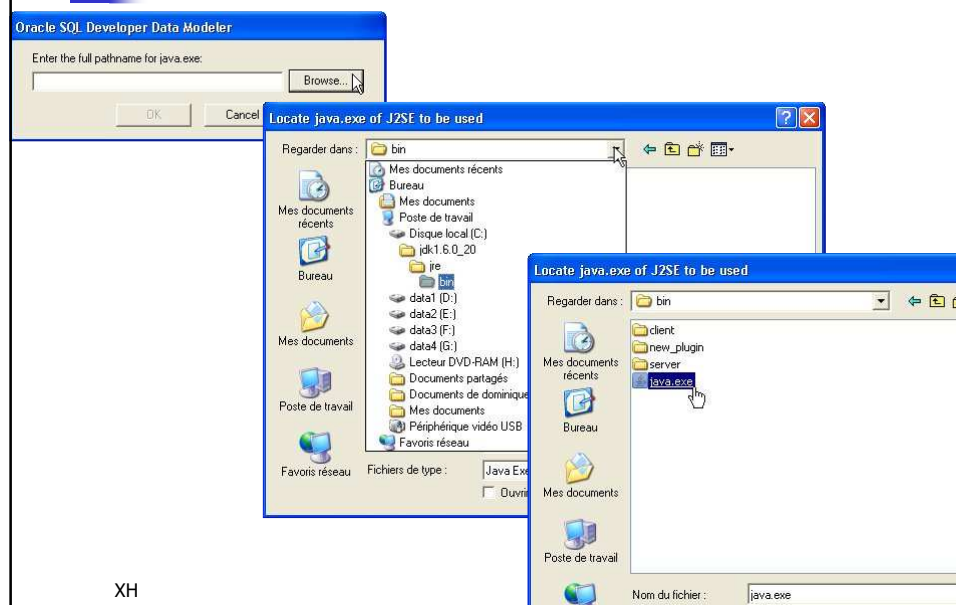
XH

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## Choix de la machine virtuelle Java



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## Choix de la machine virtuelle Java



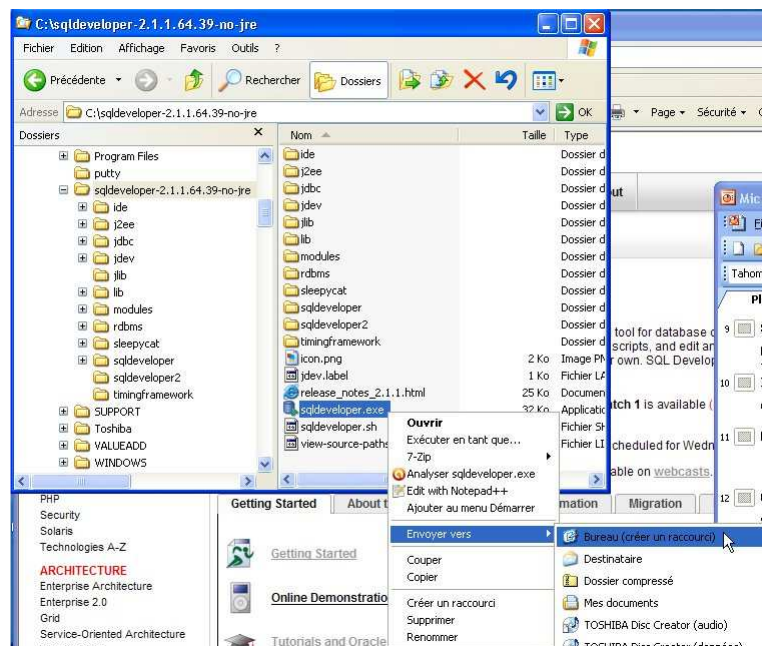
XH

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## Création d'un raccourci sur le bureau



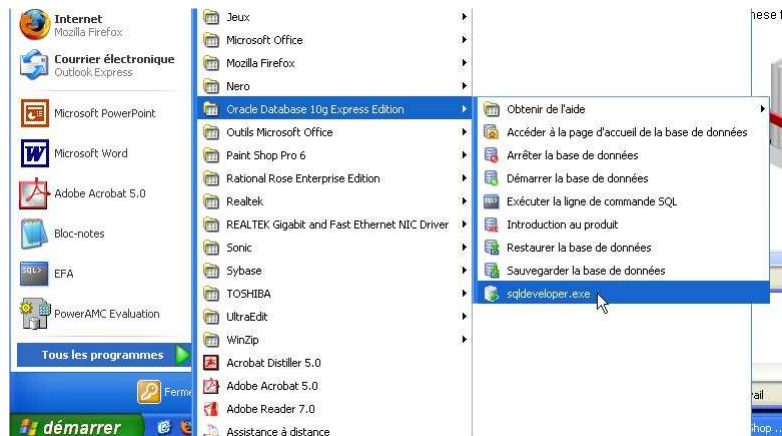
XH

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## Ajouter un raccourci dans le menu « démarrer »

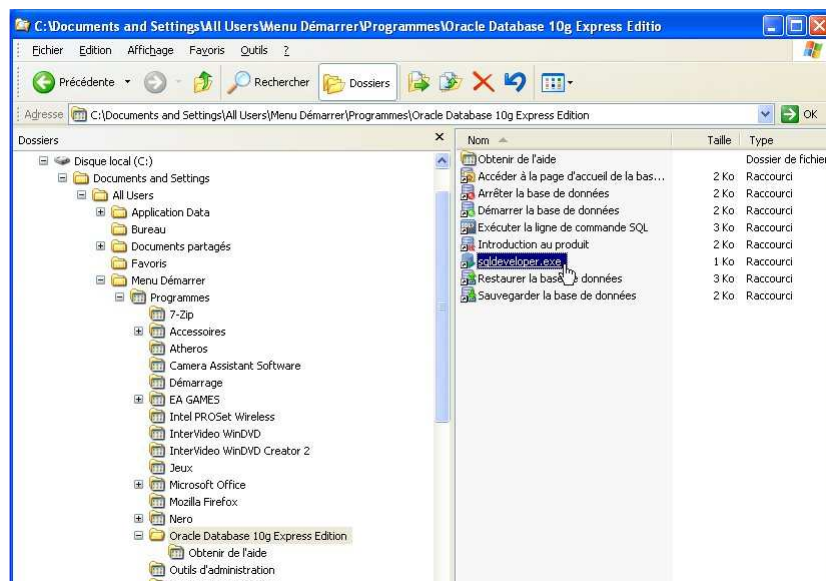
- Créer un raccourci à partir de l'exécutable et placer le dans le menu démarrer ...Oracle



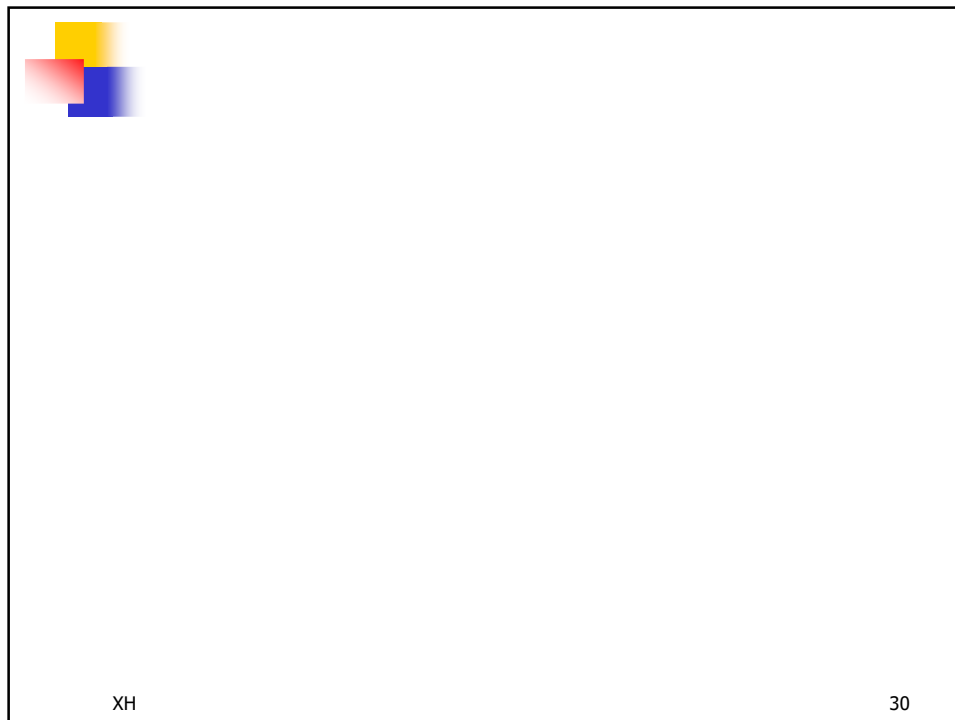
28



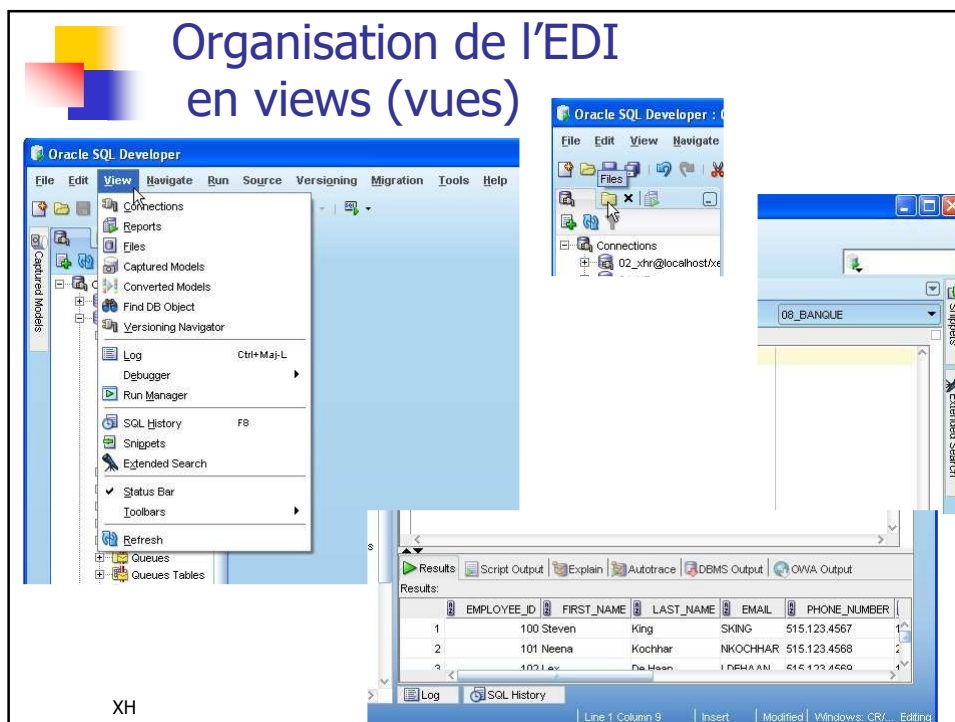
## Raccourci dans le menu « démarrer » (suite)



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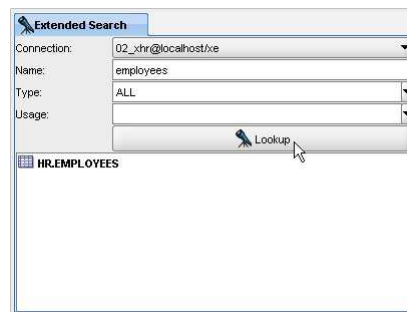


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## Vue « extended search »

- Remplace l'interrogation du dictionnaire avec la ligne de commande SQL-Plus



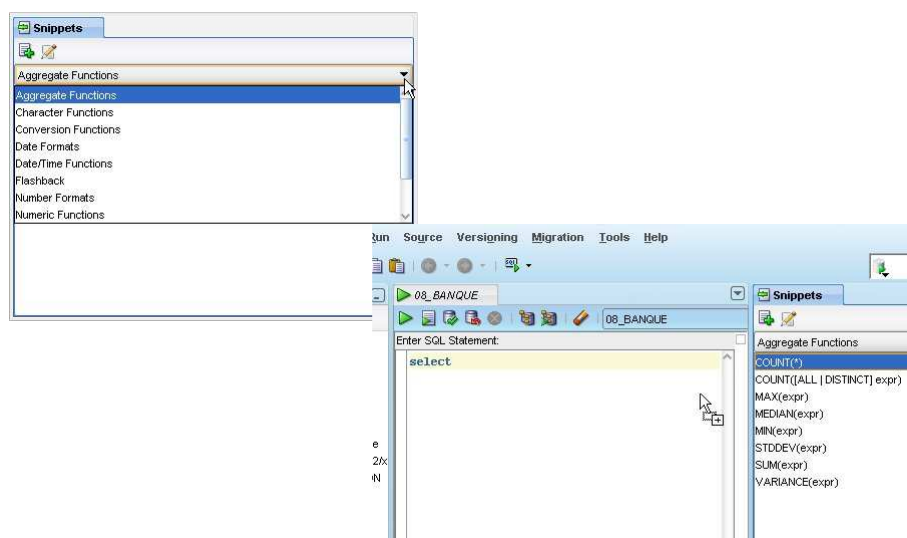
XH

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## Vue « fragments de code » (snippets)



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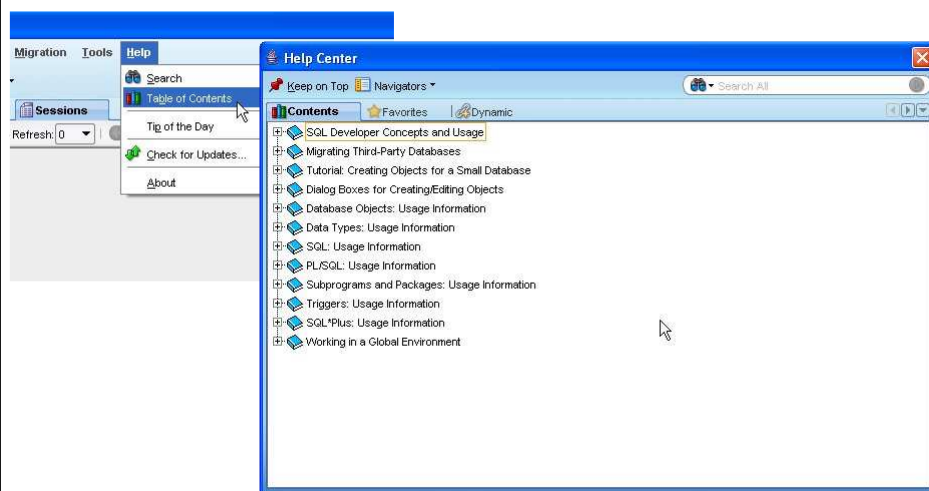
# Centre d'aide (Help Center)

Xavier HER

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## Le contenu



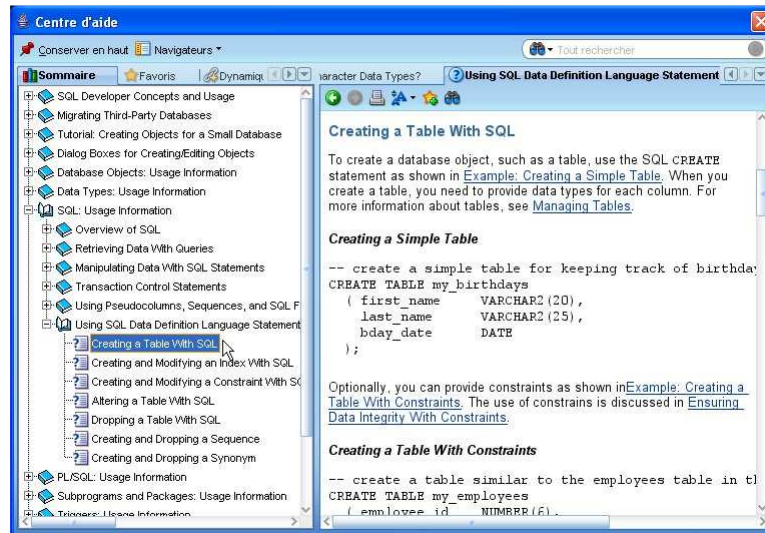
- **documentation locale à votre poste**
- **bonne documentation sur SQL**
  - **ex: les jointures (forme ANSI)**
- XH ■ **bonne doc sur SQL/Plus**

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## Exemple SQL-DDL



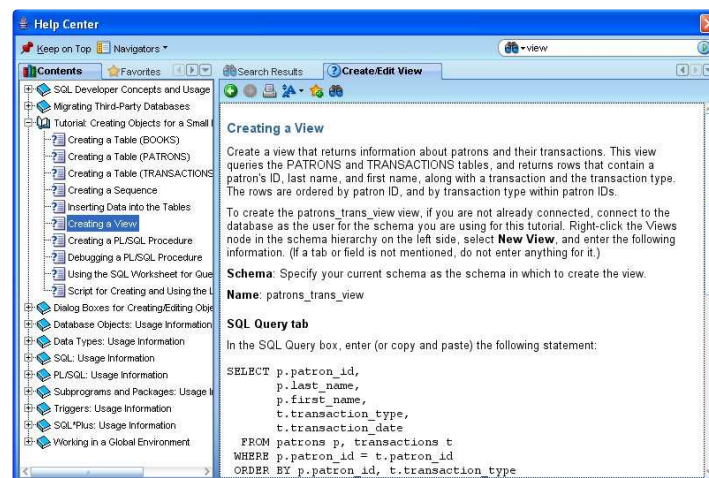
XH

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## Exemple d'une requête utilisable sur le schéma HR



XH

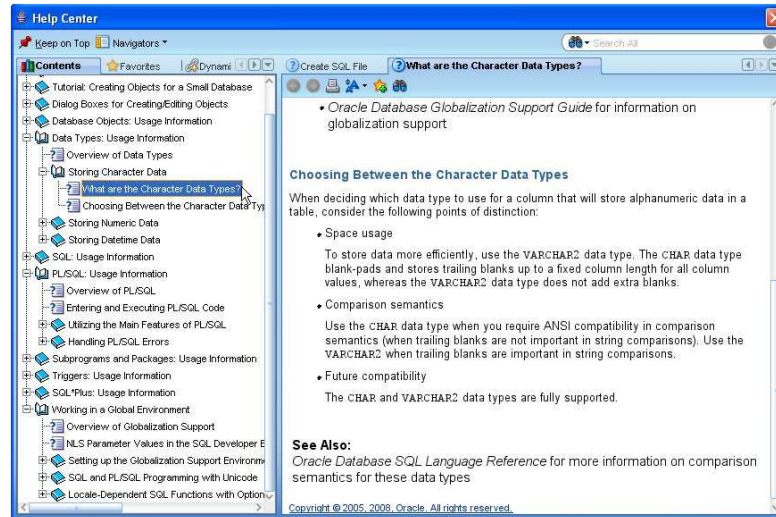
37

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# Le type des champs

## ■ Les types pour stocker des caractères



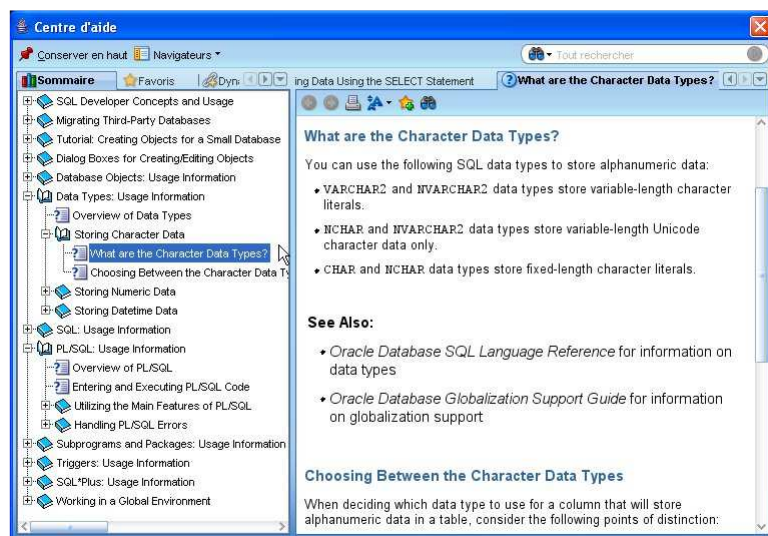
XH

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# Le type des champs

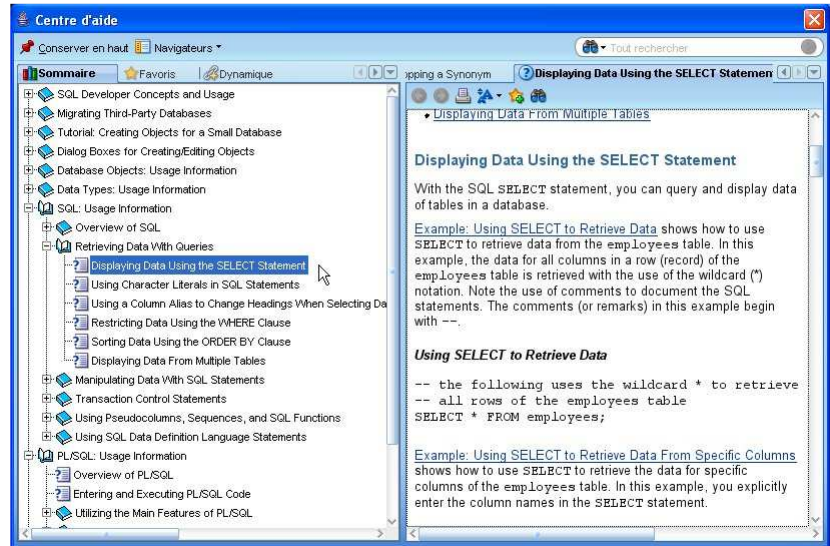


XH

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# SELECT

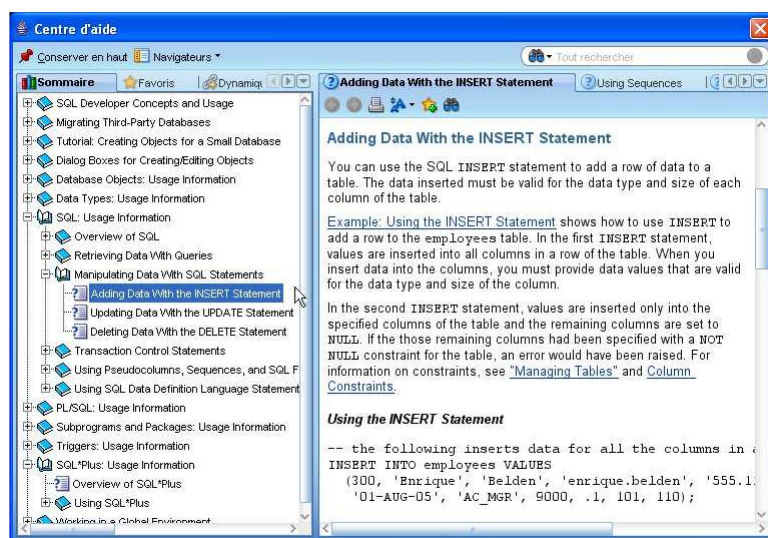


XH

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# Exemple avec insert



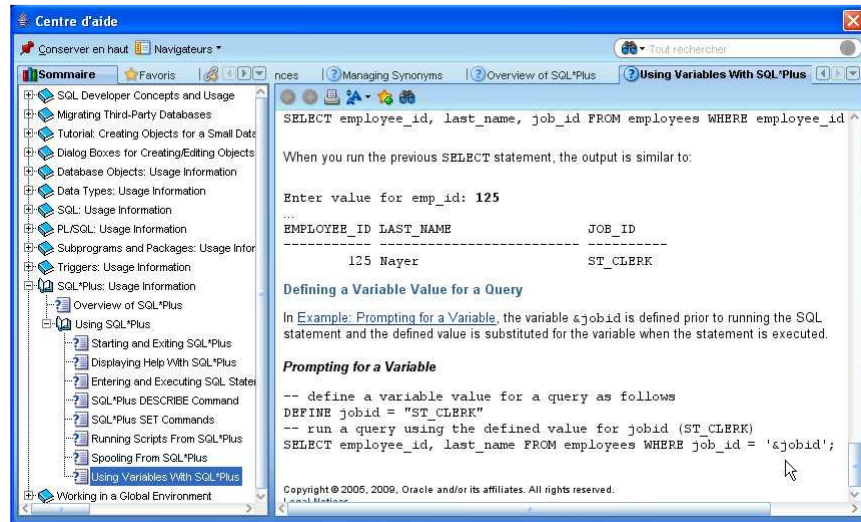
XH

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## Aide sur SQL-PLUS



XH

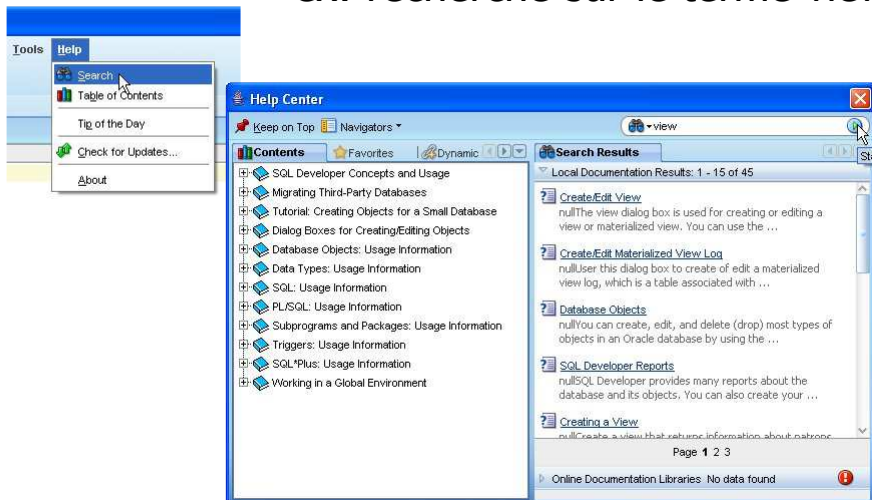
42

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## Outil de recherche dans l'aide

- ex: recherche sur le terme view



XH

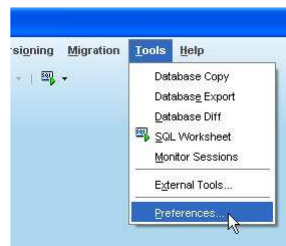
43

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## Paramétrage de SQL-Developer

### Menu préférence

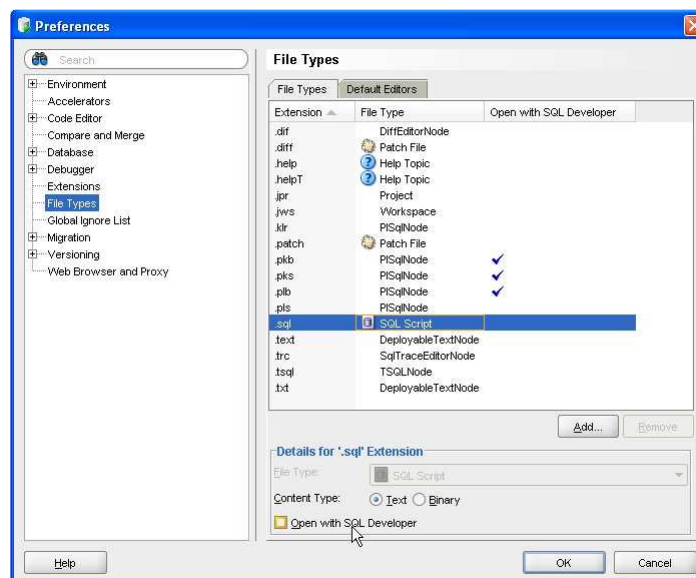


Xavier HER

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## Extension du nom des fichiers ouverts avec SQL-Developer

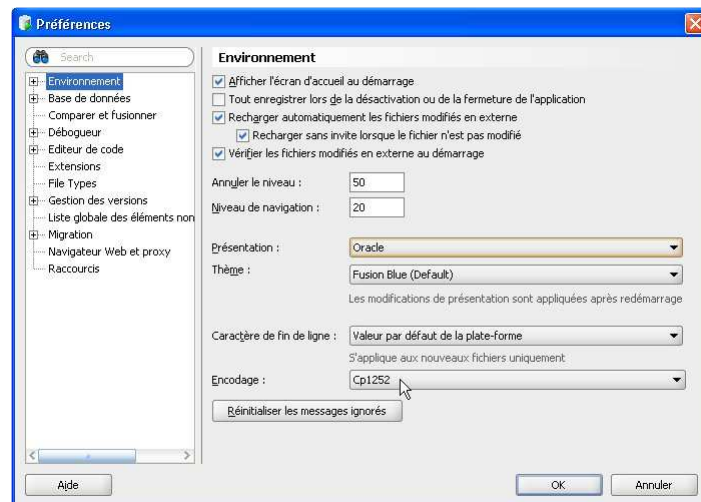


XH

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## Encodage par défaut des sources sur Windows



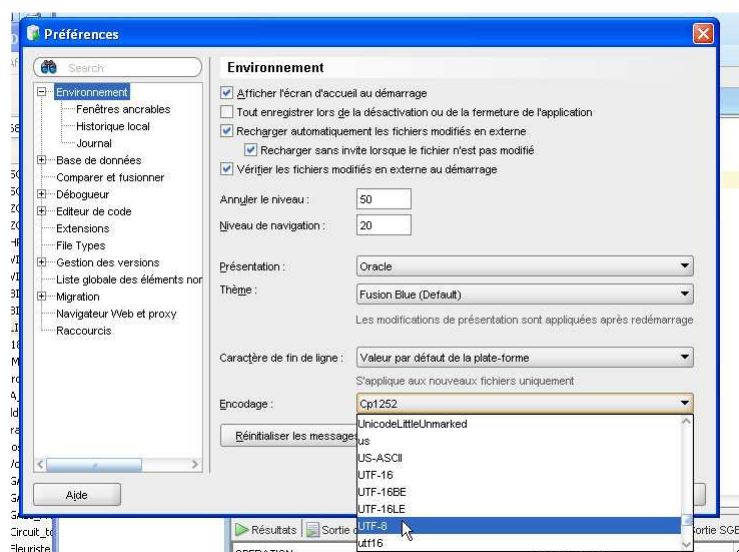
XH

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## Changement possible



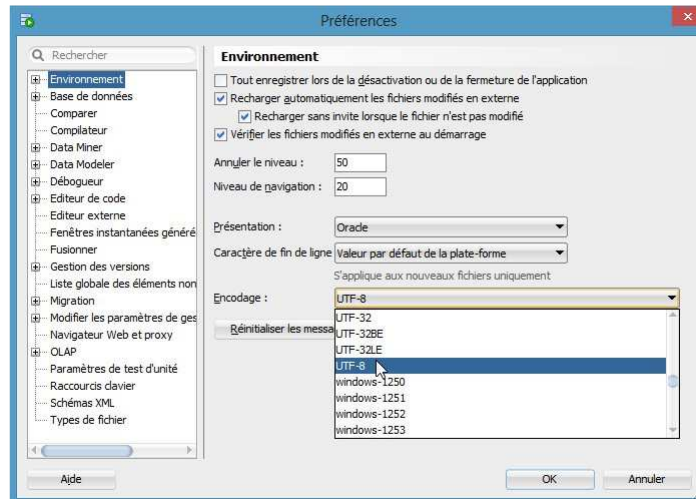
XH

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## Encodage des textes en UTF8



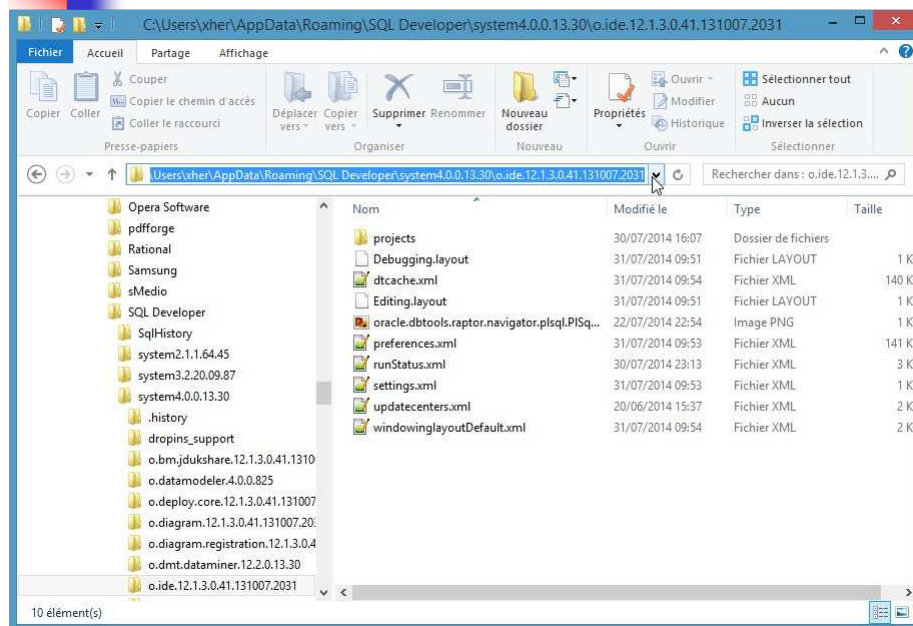
XH

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## Fichiers de config de SQL-Developer 4

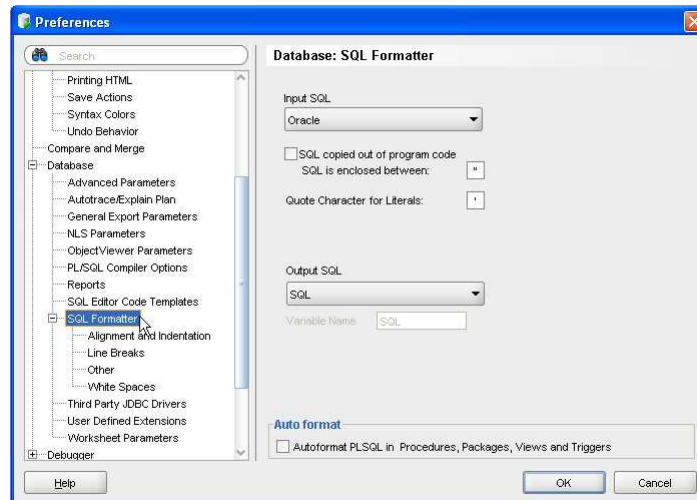


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## Possibilité de remettre en forme le code source SQL



XH

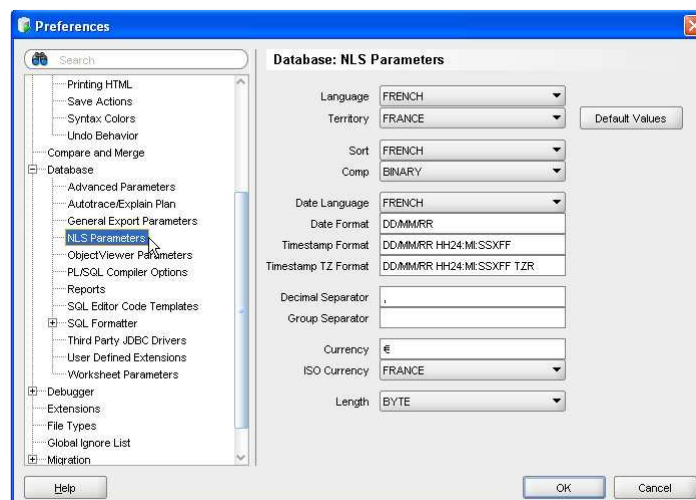
50

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## Paramètres régionaux (côté client)

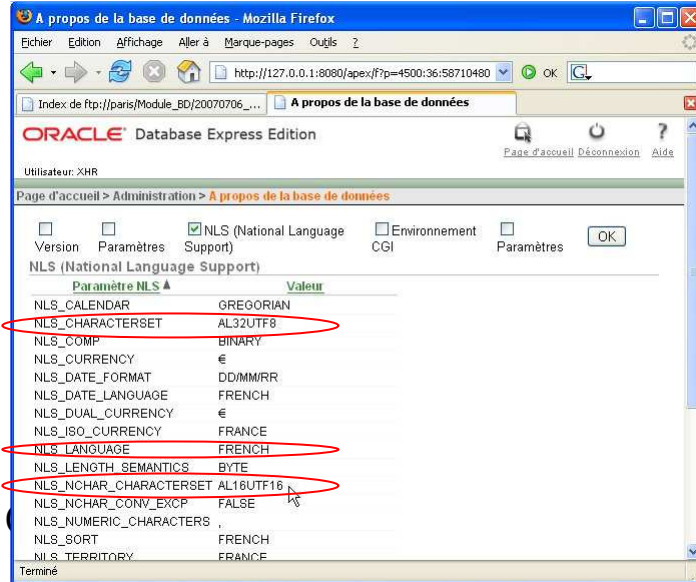
- NLS Parameters = paramètres NLS
  - NLS=National Language Support
  - Pour le mécanisme d'internationalisation



XH

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## Rappel des paramètres régionaux côté serveur (sous windows XP)



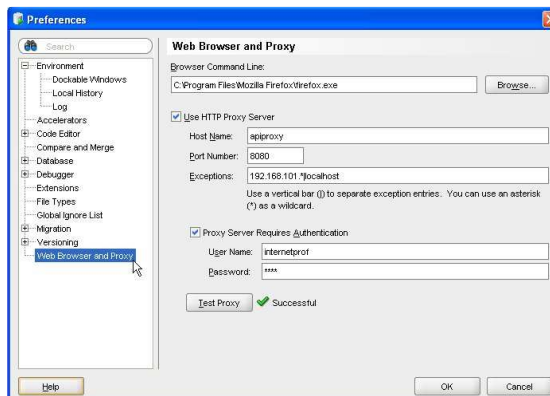
XH

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## La connexion à internet

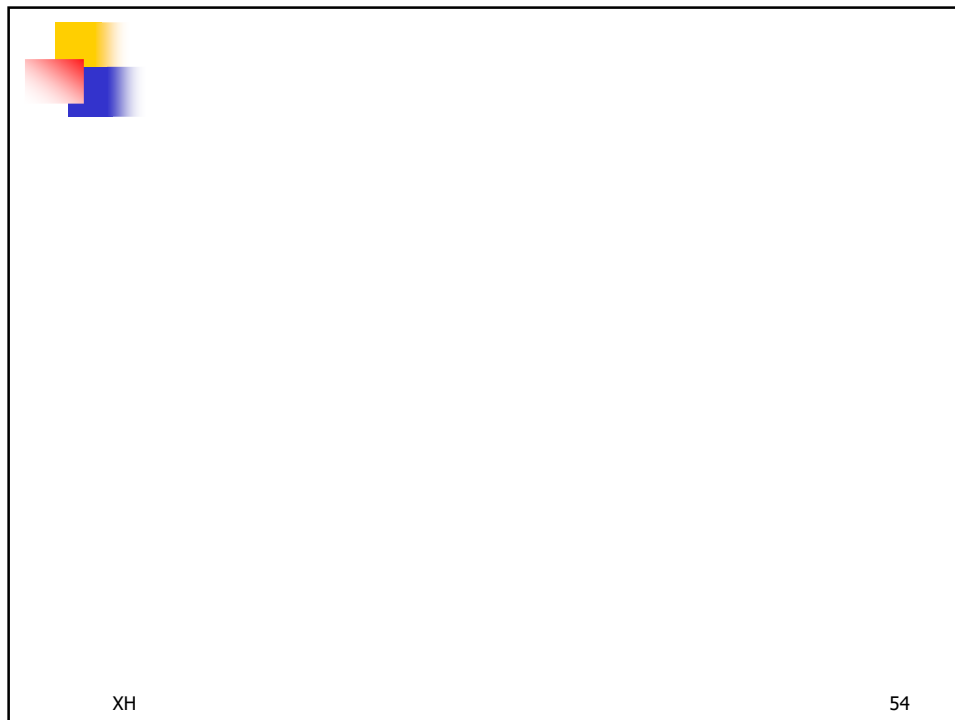
- paramétrage du proxy
- Pour la recherche:
  - d'extensions nouvelles
  - de mise à jour
  - d'informations en ligne



XH

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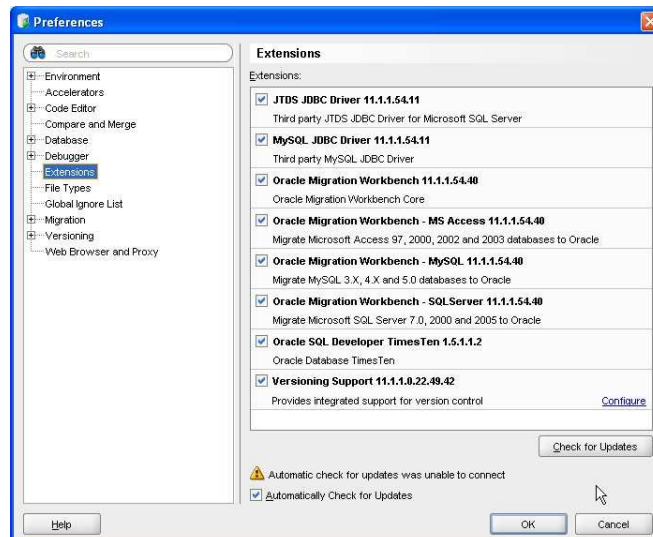
A large rectangular frame representing a slide. In the top-left corner, there is a logo consisting of three overlapping squares: blue, red, and yellow, with a black crosshair over them. In the center of the slide, the title 'Les extensions de SQL-Developer' is written in a large, dark blue font. Below the title, a thin horizontal line spans across the slide. Underneath the line, the subtitle 'add-ons' is written in a smaller, black font. At the bottom-left corner, the text 'Xavier HER' is displayed. At the bottom-right corner, the number '55' is displayed.

55



## Les extensions de SQL-Developer (add-ons)

- Les extensions installées



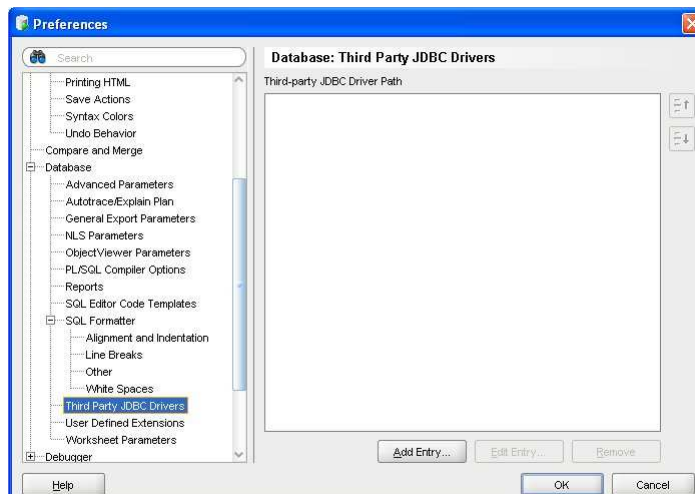
XH

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## SQL-Developer ajout de drivers JDBC

- SQL-Developer est écrit en java et utilise le driver JDBC Oracle thin



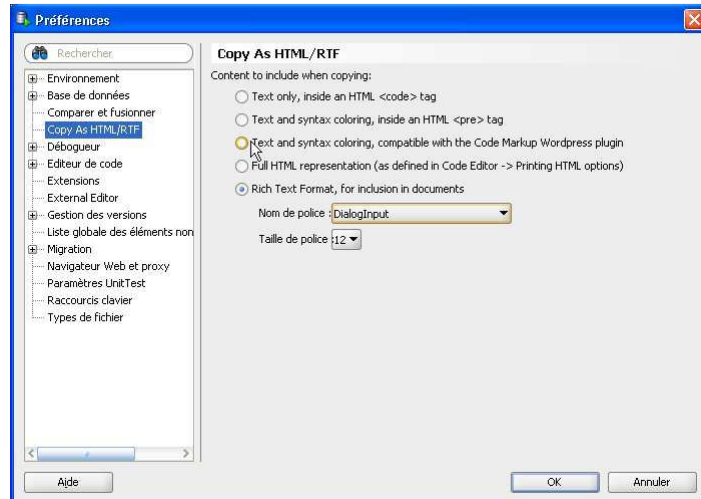
XH

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## Exemple de paramétrage d'un add-on



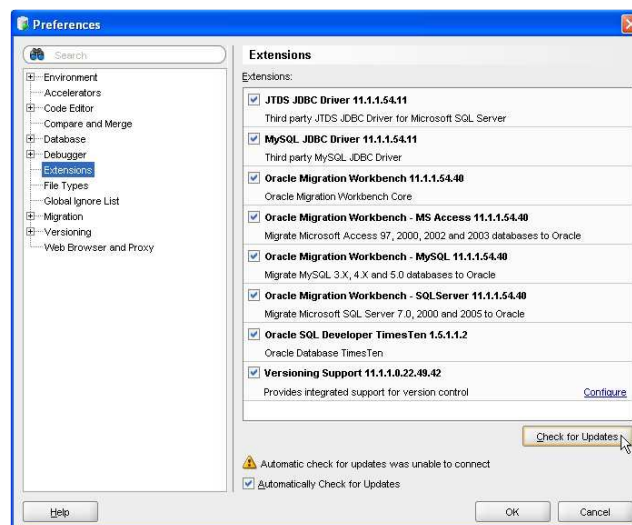
XH

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## Choix « Check for updates »



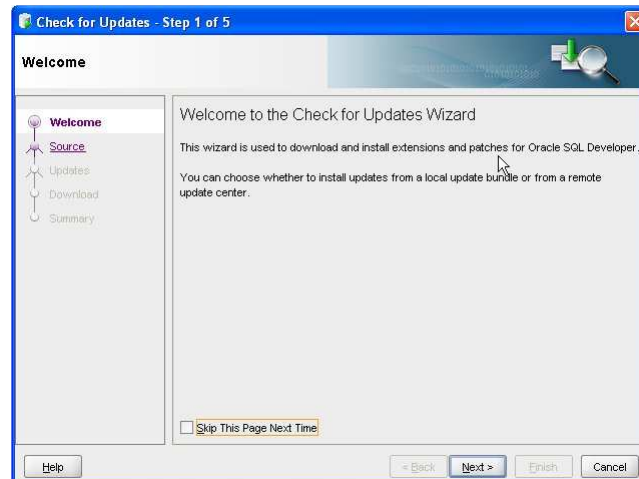
XH

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## Assistant check for updates



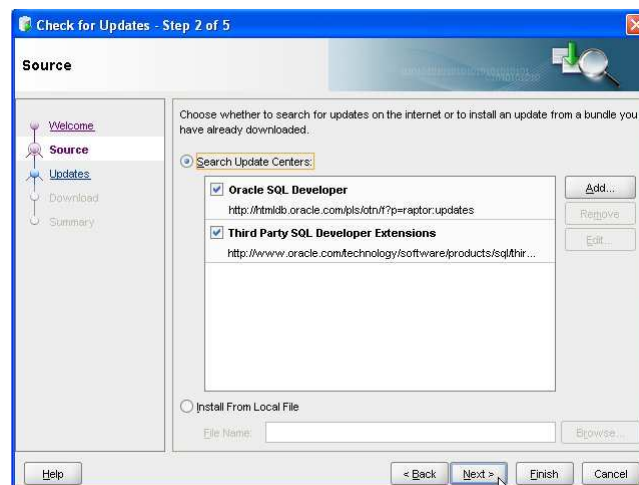
XH

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## Assistant check for updates



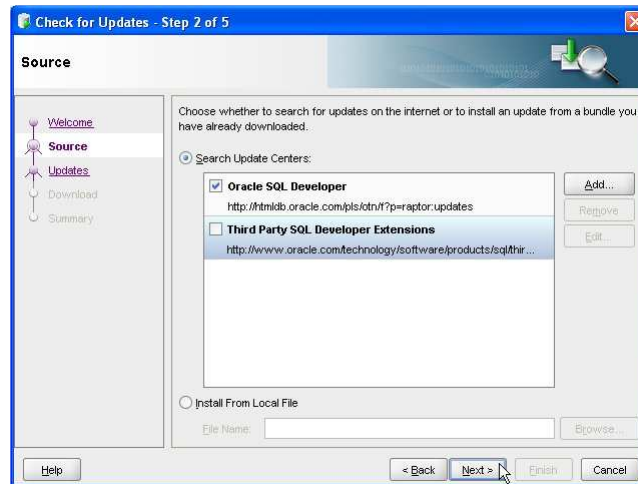
XH

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## Assistant check for updates



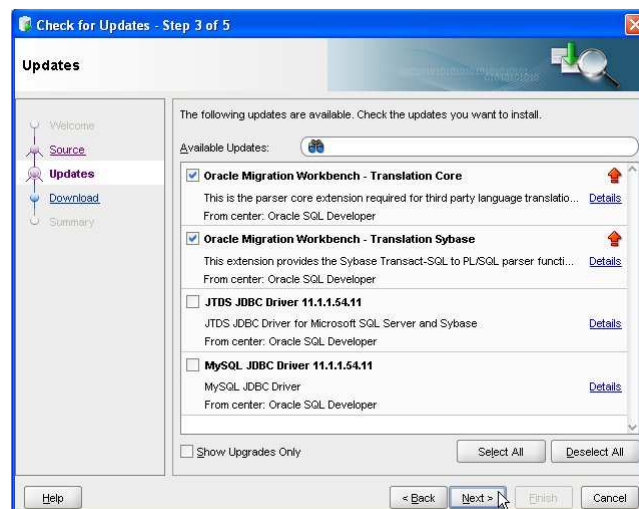
XH

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## Assistant check for updates



XH

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## Assistant check for updates

- Entrez votre nom et mdp ( inscription OTN)

Log In

To download Oracle Migration Workbench - Translation Core, you must enter your Oracle Web Account user name and password.

User name: xavier.her

Password: \*\*\*\*\*

☒ Remember password

[Sign up](#) [Find password](#)

Help OK Cancel

XH

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## Assistant check for updates

Check for Updates - Step 4 of 5

**Download**

Welcome  
Source  
Updates  
**Download**  
Summary

The updates you selected are being downloaded and installed. You can cancel this process at any time by clicking the Stop button or closing the wizard.

Downloading Updates

Downloading Oracle Migration Workbench - Translation Core ( 2,90 MB of 7,79 MB )

Stop

Help < Back Next > Finish Cancel

XH

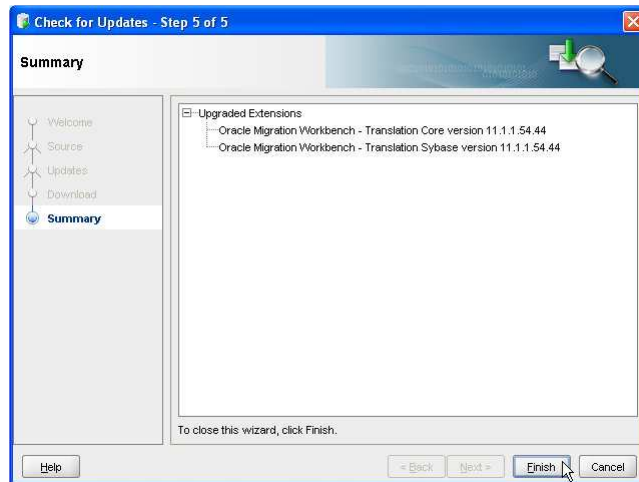
65

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## Assistant check for updates



XH

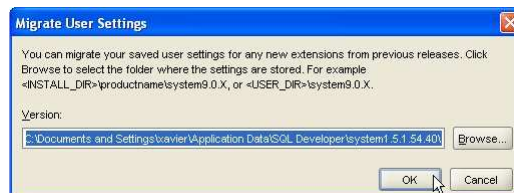
66

66



## Assistant check for updates

### ■ Redémarrage



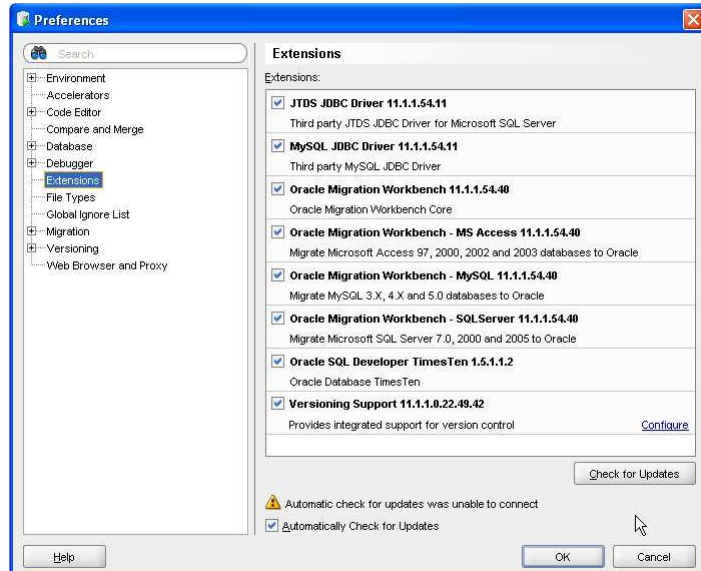
XH

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## Les extensions installées



XH

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XH

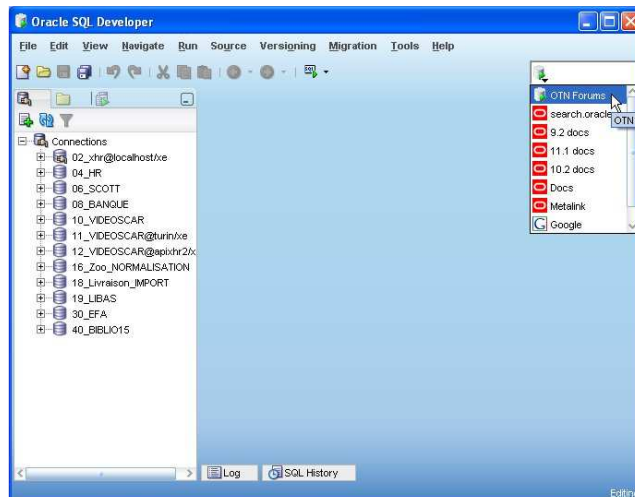
69

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## Informations en ligne

- Documentation complète Oracle
- Forums techniques



XH

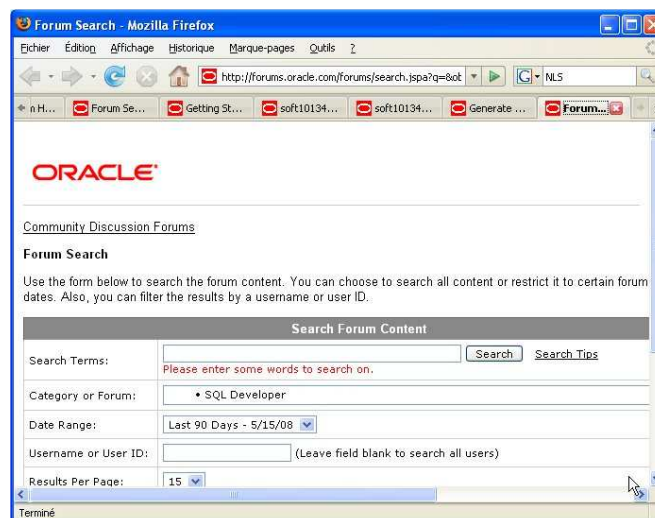
70

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## Informations en ligne

- Retour chariot sur le choix



XH

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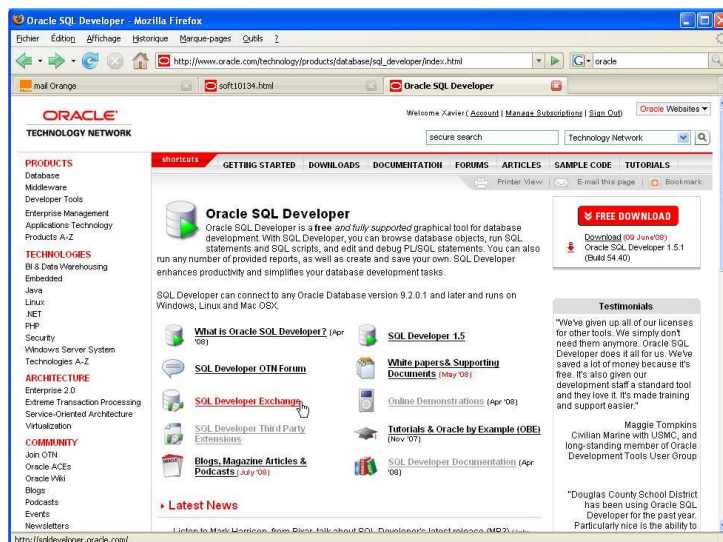
# Fragment de code (Snippet)

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## Snippet (fragment de code) supplémentaire



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## Ajout d'autre snippets

- Voir la rubrique « Oracle SQL Developer Exchange » de la homepage de SQLDeveloper
- [Home](#) > [Snippets](#) > Public Snippets

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## Plug-in pour générer du Java-JDBC

Oracle SQL Developer - Mozilla Firefox

http://www.oracle.com/technology/products/database/sql\_developer/index.html

Oracle SQL Developer

Welcome Xavier (Account) | Manage Subscriptions | Sign Out

Oracle Websites

secure search Technology Network

PRODUCTS  
Database  
Middleware  
Developer Tools  
Enterprise Management  
Applications Technology  
Products A-Z

TECHNOLOGIES  
BI & Data Warehousing  
Embedded  
Java  
Linux  
NET  
PHP  
Security  
Windows Server System  
Technologies A-Z

ARCHITECTURE  
Enterprise 2.0  
Extreme Transaction Processing  
Service-Oriented Architecture  
Virtualization

COMMUNITY  
Join OTN  
Oracle ACEs  
Oracle Wiki  
Blogs  
Podcasts  
Events  
Newsletters

shortcuts GETTING STARTED DOWNLOADS DOCUMENTATION FORUMS ARTICLES SAMPLE CODE TUTORIALS

Oracle SQL Developer

Oracle SQL Developer is a free and fully supported graphical tool for database development. With SQL Developer, you can browse database objects, run SQL statements and SQL scripts, and edit and debug PL/SQL statements. You can also run any number of provided reports, as well as create and save your own. SQL Developer enhances productivity and simplifies your database development tasks.

SQL Developer can connect to any Oracle Database version 9.2.0.1 and later and runs on Windows, Linux and Mac OS/X.

What is Oracle SQL Developer? (Apr '08)

SQL Developer OTN Forum

SQL Developer Exchange

SQL Developer Third Party Extensions

Blogs, Magazine Articles & Podcasts (July '08)

SQL Developer 1.5

White papers & Supporting Documents (May '08)

Online Demonstrations (Apr '08)

Tutorials & Oracle by Example (OBE) (Nov '07)

SQL Developer Documentation (Apr '08)

FREE DOWNLOAD

Download (09 Jun'08)  
Oracle SQL Developer 1.5.1 (Build 54.40)

Testimonials

"We've given up all of our licenses for other tools. We simply don't need them anymore. Oracle SQL Developer does it all for us. We've saved a lot of money because it's free. It's also given our development staff a standard tool and they love it. It's made training and support easier."

Maggie Tompkins  
Civilian Marine with USMC, and long-standing member of Oracle Development Tools User Group

"Douglas County School District has been using Oracle SQL Developer for the past year. Particularly nice is the ability to

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Click to Mark Magazine from Dice talk about SQL Developer's latest release (MR2)...

http://www.oracle.com/technology/products/database/sql\_developer/files/extensions.htm

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