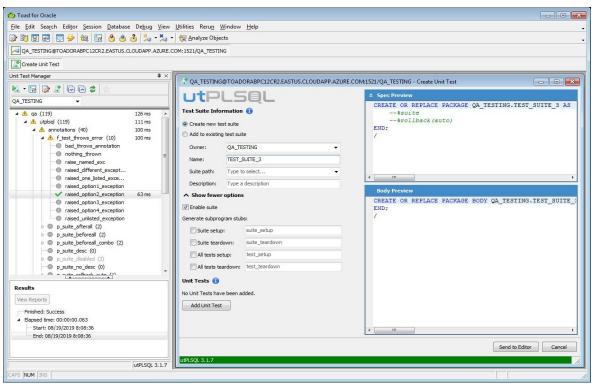


#### New unit testing built on utPLSQL

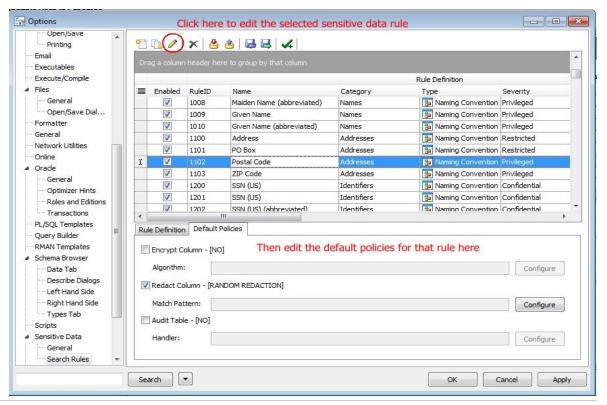
- A GUI front-end for the popular open source unit testing suite utPLSQL.
- Create and run unit tests, and review test results.
- This is included in the Base Edition.





#### **Enhancements to Sensitive Data Protection**

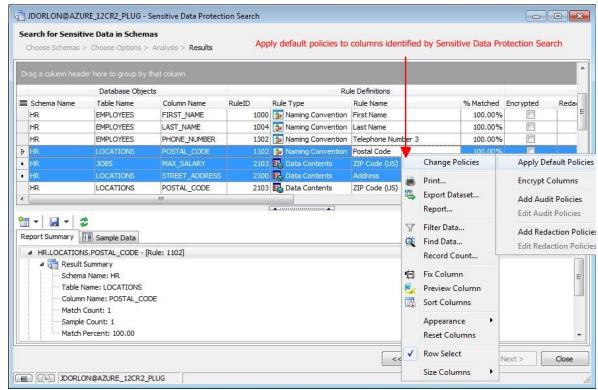
You can now define default audit, encryption, and redaction policy options, as well as custom user-defined severity categories, to individual sensitive data rules.





#### **Enhancements to Sensitive Data Protection**

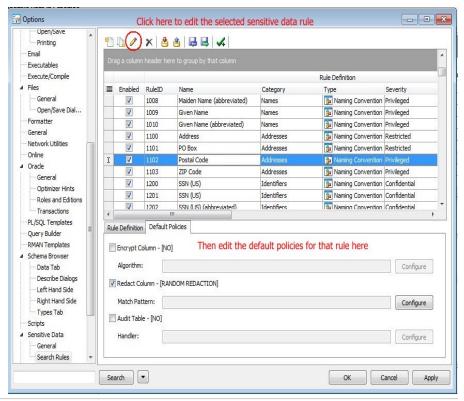
Once defined, those policies can then be applied to a group of columns by selecting the columns in question and selecting "Apply Default Policies". This allows you to set up policies on multiple columns at once rather than individually.





#### **Enhancements to Sensitive Data Protection**

- Added regular expression rules for common identification names and formats used throughout the European Union.
- Added an "examples" box and "test" button to the rules window, so you can test rules as you are adding them.
- Added a "severity" field to the rules window to allow for userdefined rule management and organization.

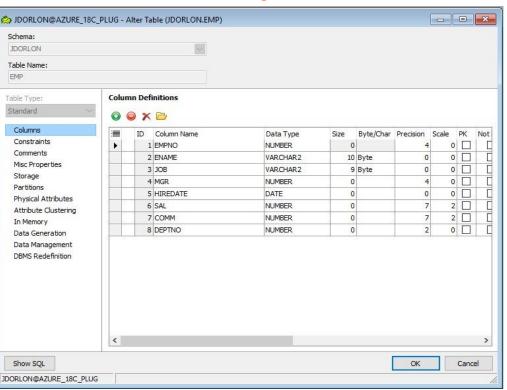




# Updated Wizard for Create/Alter Objects

These Wizards have an updated look. Here's a screen shot of the new Alter Table wizard.

There are about 40 others!

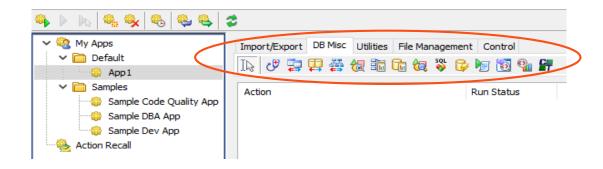




### Extra Actions in Automation Designers

- Additional actions have been added to the Automation Designer.
- You can now automate
   Analyze Objects and
   some additional options
   when using Variables.
- New, easy migration of scheduled Toad actions from prior Toad version to 13.2

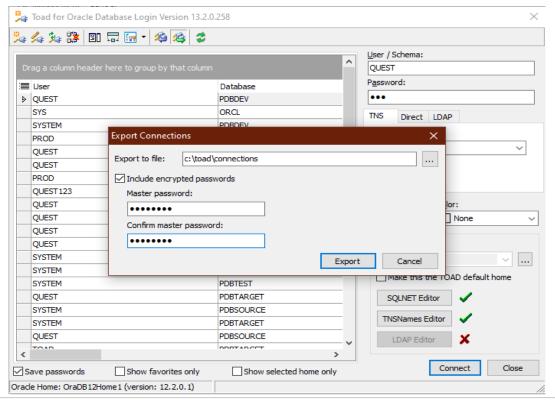






# **Export/Import of Connections**

The Export and Import of Connections now includes the option to encrypt the connections file with a master password.





# Support/Compliance

Support for the following has been added:

- Oracle 19c
- FIPS compliance
- ASM flex disk groups
- DBMS\_AUTO\_INDEX
- Hybrid partitioned tables\*

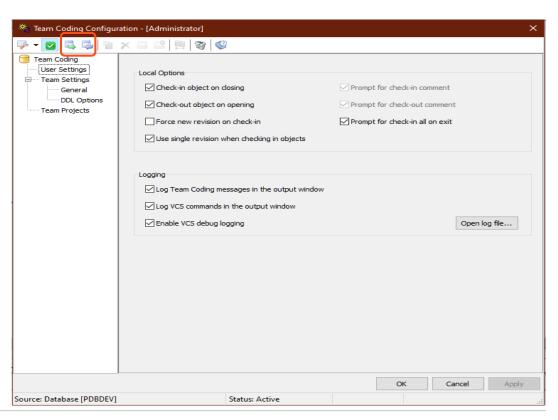
- Support for BLOB, CLOB, NCLOB, XMLTYPE when running Data Compares
- It is no longer necessary to manually include .GetCLOBVal() in your queries with XMLTYPE. This now happens automatically behind the scenes.
- XMLTYPE data is now editable in the popup editor (just include ROWID in your query).

# **Export Dataset enhancements**

- Improved performance.
- Enable/disable auto file name (based on table exporting from) by rightclick in the "filename" box.
- Can now specify "where" clause for tables being exported.

#### Team Coding

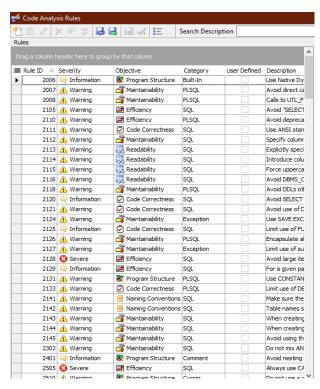
All VCS and Team Coding settings can now be backed up/restored to the server using new toolbar buttons on the Team Coding Configuration window.





# Additional rules in Code Analysis

Several new and updated analysis rules.



# Thank you

Quest