

# What's New in SQL Optimizer for Oracle 9.3.2

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### **1. Certify support Oracle 19c**

Oracle 19c already released, we should make sure our product supports the newest version. See <https://wiki.labs.quest.com/display/SOFO/Story+-+Certify+Support+Oracle+19c> for more tech details.

### **2. New perpetual ELA with Expiration Date Support**

SQL Optimizer for Oracle now supports ELA with expiration date. See <https://wiki.labs.quest.com/display/SOFO/Story+-+Ensure+New+perpetual+ELA+with+Expiration+Date+is+Working+As+Expected> for more details.

### **3. Bugs fix**

- 1) Fix some alternatives do not semantically equivalent with original SQL. More details see <https://jira.labs.quest.com/browse/SOFO-2602>.
- 2) Fix No plan cost return when retest in Toad. More details see <https://jira.labs.quest.com/browse/SOFO-2631>.

### **4. Send more data to Reactive**

- 1) Add features/forms enter/exit event for spend time calculation.
- 2) Add categories for the features to help us analysis the user behaviors