
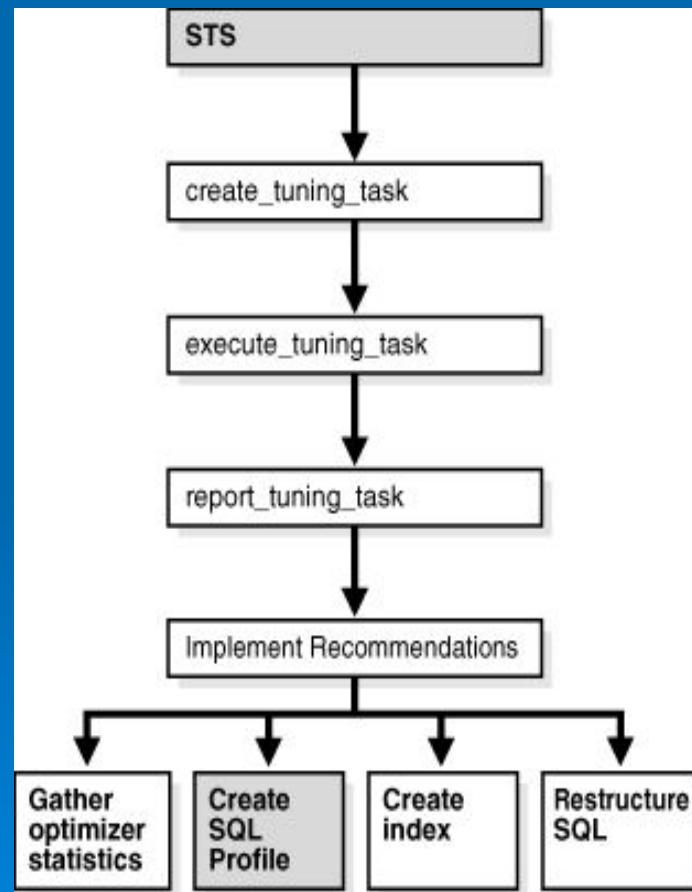


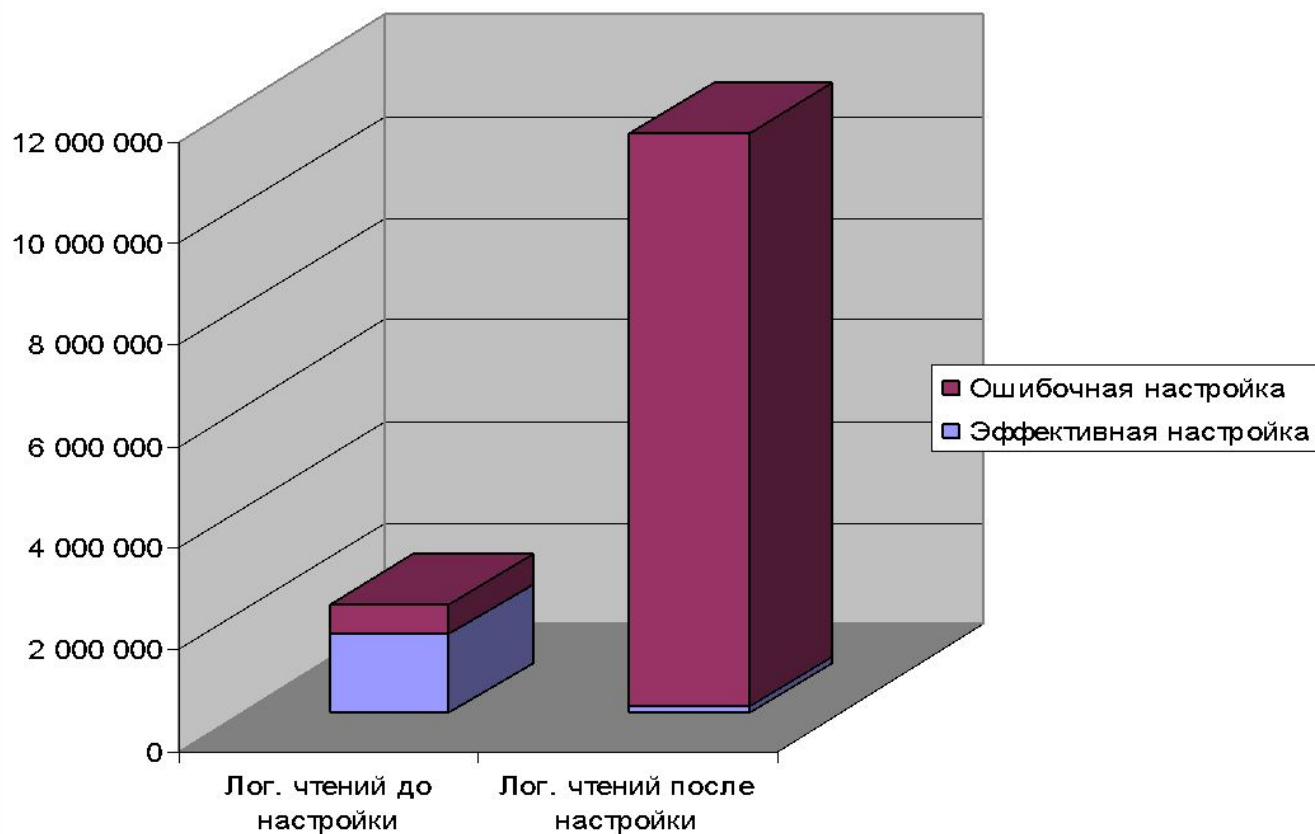
Автоматическая настройка  
запросов с помощью SQL  
Tuning Advisor:  
получение набора хинтов  
настроенного профиля и  
проверка результатов  
настройки

The background features several sets of concentric circles in a lighter shade of blue, resembling ripples in water, positioned in the lower right and bottom center areas of the slide.

# Работа SQL Tuning Advisor

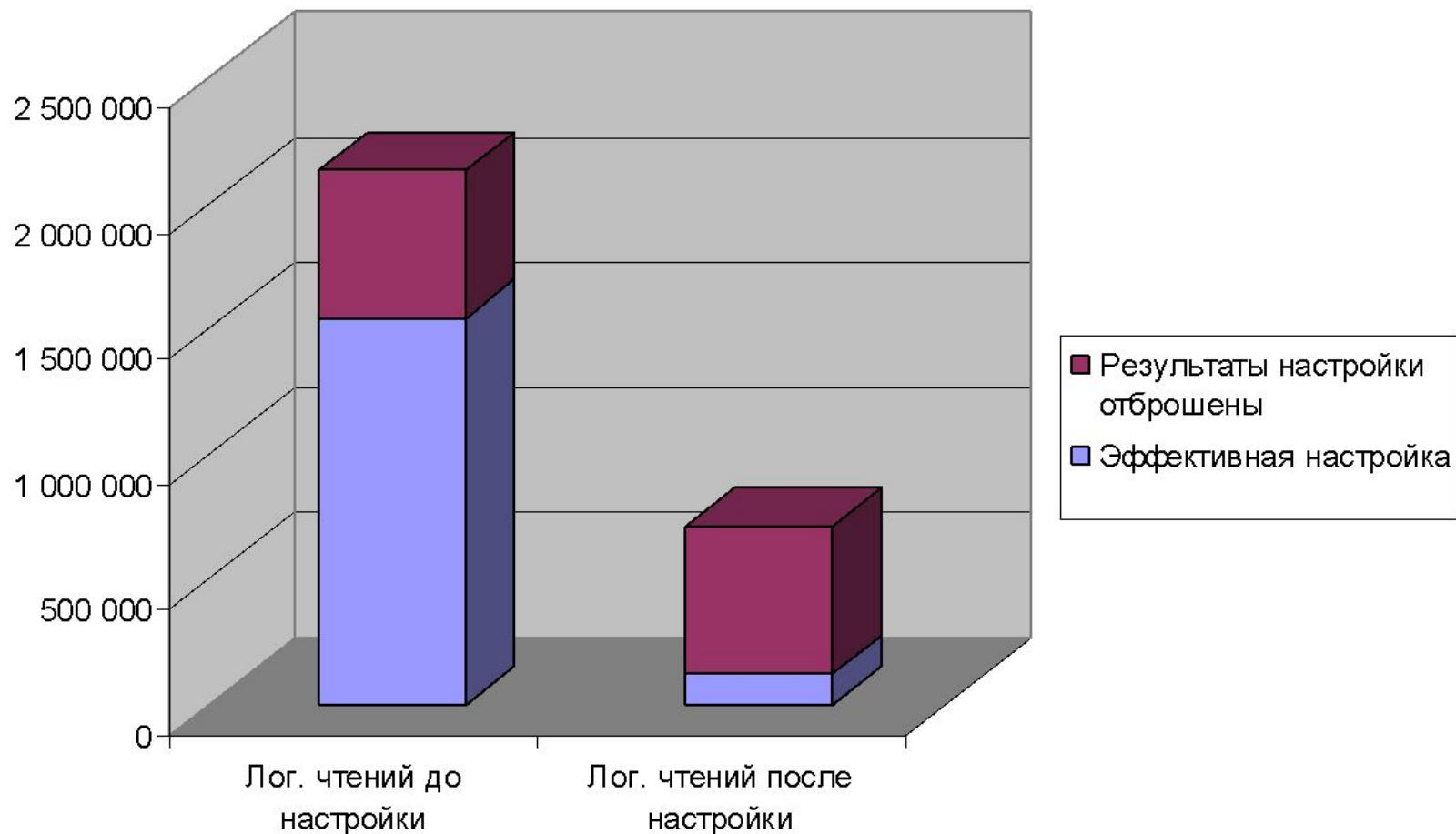


## Результаты настройки запросов по числу логических чтений



	Кол-во запросов	Лог. чтений до настройки	Лог. чтений после настройки	Эффективность
Эффективная настройка	28	1 546 741	127 828	<u>12,10</u>
Ошибочная настройка	36	588 155	11 286 016	<u>0,05</u>

## Результаты настройки с проверкой эффективности



Лог. чтений до настройки  
**2 134 896**

Лог. чтений после настройки  
**715 983**

Эффек-  
тивн.  
**2,98**

# TUNING\_AND\_TESTING

```
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  <TUNING/>  
  <GET_GOOD_HINTS/>  
  <TESTING/>  
  <ANALYZE_RESULTS/>  
</TUNING_AND_TESTING>
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<TESTING>...</TESTING>

<ANALYZE\_RESULTS>...</ANALYZE\_RESULTS>

</TUNING\_AND\_TESTING>

- V\$SQL
- DBMS\_SQLTUNE
- USER\_ADVISOR\_TASKS

# GET\_GOOD\_HINTS

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**<PLACE\_HINTS\_IN\_SQL>**  
**</GET\_GOOD\_HINTS>**

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<ANALYZE\_RESULTS>...</ANALYZE\_RESULTS>

</TUNING\_AND\_TESTING>

• USER\_SQLTUNE\_PLANS.OTHER\_XML

# TESTING

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**<TESTING>**

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**<EXEC\_ORIGINAL\_SQL/>**

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**<EXEC\_SQL\_WITH\_PROFILE/>**

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**<FIX\_RESULTS/>**

**</TESTING>**

<ANALYZE\_RESULTS>...</ANALYZE\_RESULTS>

</TUNING\_AND\_TESTING>

- SQL\_TEXT, BINDS (V\$SQL), ROWTYPE (DBMS\_SQL)
- OPEN CUR FOR ...
- FETCH ... BULK COLLECT...
- V\$MYSTAT, V\$SQL



# ANALYZE\_RESULTS

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<TESTING>... </TESTING>

**<ANALYZE\_RESULTS>**

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**<BETTER\_WITH\_PROFILE>**

**<BETTER\_WITH\_PROFILE\_HINTS>**

**</ANALYZE\_RESULTS>**

</TUNING\_AND\_TESTING>

# Контакты:



Деев Илья  
ideev@cboss.ru