

## SQL Trace Access and Analysis: OraSRP

This page shortly describes a package to deploy and analyze SQL trace files for DBAs and developers. This package is a valid alternative to the simpler approach: sql trace + tkprof + mail results.

### Package overview

Orasrp, a freeware package written in python (by Egor Starostin) with following goals:

- publish trace files for access via a web browsers
- process sql trace files (see event 10046 and/or DBMS\_MONITOR for more info on how to activate sql tracing)
- advanced analysis of sql trace files (more advanced than tkprof, for example)

### Sample Orasrp setup

1. Download the software (see below for binary and python source versions)
2. unzip under \$HOME/scripts/orasrp
3. export LD\_LIBRARY\_PATH=\$LD\_LIBRARY\_PATH:\$HOME/scripts/orasrp; export PATH=\$PATH:\$HOME/scripts/orasrp
4. (optional) create password-authenticated user
  - ◆ cd to the UDUMP directory. Example: cd /ORA/dbs00/oracle/admin/DBNAME/udump
  - ◆ create user (optional) . Example: htpasswd -c .htpasswd luca
  - ◆ run orasrp listening on a chosen port. optionally define a keyword on the trace files. Example:

```
nohup orasrp -d $PWD --port 2502 --pattern=luca &
```

- Note: on RAC orasrp should be run on multiple nodes  
Note: different port numbers can be used to run orasrp simultaneously for different users.  
Note: add --htpasswd to the command line enforce user/pass authentication

### Instructions to get started:

- the session parameter tracefile\_identifier is needed to add the pattern defined above to the trace files.  
Example: alter session set tracefile\_identifier='luca';
- activate sql tracing trace. Example: exec dbms\_monitor.SESSION\_TRACE\_ENABLE;
- point a browser to http://webserver:port (2502 in the example above). For rac multiple sessions are needed, one for each node.

### Download from these links:

- <https://twiki.cern.ch/twiki/pub/PSSGroup/SQLTraceAnalysis/orasrp-src.zip>: **Preferred version**  
ORASRP, SQL trace analyzer, python source
- <https://twiki.cern.ch/twiki/pub/PSSGroup/SQLTraceAnalysis/orasrp-linux.zip>: ORASRP, SQL trace analyzer, binary version for Linux
- <https://twiki.cern.ch/twiki/pub/PSSGroup/SQLTraceAnalysis/orasrp-windows.zip>: ORASRP, SQL trace analyzer, binary version for Windows

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