

toad在RAC环境下无法调试oracle存储过程的解决办法 PDF转换可能丢失图片或格式，建议阅读原文

https://www.100test.com/kao_ti2020/470/2021_2022_toad_E5_9C_A8RAC_c67_470139.htm

问题现象描述：将存储过程load in editor，设置断点，运行后依次发生下列错误提示：

ORA-12560: TNS:protocol adapter error Cannot connect debug session. In order to debug when connected to a RAC instance you must have entries for the individual RAC instances in your tnsnames.ora file or connect directly to an individual RAC instance. DokuWiki=e217ad0ed5bdf990bcc4b95bb9be96b9> When using the PL/SQL Debugger with a RAC database, you must either have an additional entry in your TNSNames.ora file for the connected instance, or you must connect directly to an instance of the cluster without letting the server assign an instance. During debugging, Toad creates two background sessions for handling debugger calls, called the Target and Debug sessions. These two sessions must be created on the same instance as the main Toad session, because Oracle does not support Debugging across RAC instances. To accomplish this, Toad queries the data dictionary to find the current instance name, then searches the TNSNames.ora file, starting at the beginning, for the first entry which has either the SERVICE_NAME or INSTANCE_NAME equal to the name found in the data dictionary. Toad will then use this secondary TNSNames entry when creating the background debugger sessions. For example, in a two node RAC environment, a user would have their main RAC entry looking something like this: RAC = (DESCRIPTION = (ADDRESS_LIST =

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(ADDRESS = (PROTOCOL = TCP)(HOST = 192.0.0.1)(PORT = 1521)) (ADDRESS = (PROTOCOL = TCP)(HOST = 192.0.0.2)(PORT = 1521)) ) (LOAD_BALANCE = ON) (CONNECT_DATA = (SERVICE_NAME = RAC) (FAILOVER_MODE = (TYPE = SELECT) (METHOD = BASIC) (RETRIES = 180) (DELAY = 5) ) ) )
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In this two node environment, the user would then need to have two additional TNSNames entries, one each for the individual instances in the RAC. In these entries, the can either use the syntax: RAC1 = (DESCRIPTION = (ADDRESS_LIST = (ADDRESS = (PROTOCOL = TCP)(HOST = 192.0.0.1)(PORT = 1521))) (CONNECT_DATA = (SERVICE_NAME = RAC) # notice the difference (INSTANCE_NAME = RAC1) # betwen this)) 或者 RAC2 = (DESCRIPTION = (ADDRESS_LIST = (ADDRESS = (PROTOCOL = TCP)(HOST = 192.0.0.2)(PORT = 1521))) (CONNECT_DATA = (SERVICE_NAME = RAC) # and this [红色部分原为“RAC2”，但依据上下文，改为“RAC”便于理解和操作]))

经测试以上两种方案均可行，个人理解就是在客户端通过修改tnsnames.ora文件，将服务器端双机环境转换成单机环境，请注意此操作并不对oracle服务器端环境作任何改变。100Test 下载频道开通，各类考试题目直接下载。详细请访问 www.100test.com