# ADRCI: ADR Command Interpreter

# Creating ADRCI packages

The ADR Command Interpreter (ADRCI) is a command-line tool that you use to manage Oracle Database diagnostic data.

## Viewing Incidents

The ADRCI SHOW INCIDENT command displays information about open incidents. For each incident, the incident ID, problem key, and incident creation time are shown. If the ADRCI homepath is set so that there are multiple current ADR homes, the report includes incidents from all of them.

Each occurrence of the problem is called an 'incident'. The instance alert file will show all the incidents reported. Each incident will be associated with a unique incident id in the ADR.

From the ADRCI prompt, execute the SHOW INCIDENT command for the problem to be investigated, by specifying the associated problem key. You can get the problem key from the SHOW PROBLEM command:

adrci> show incident -p "problem\_key='ORA 1578'"

Perhaps more usually:

adrci> show incident

ADR Home = /u01/app/oracle/diag/rdbms/cvtst01/CVTST01:

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INCIDENT\_ID PROBLEM\_KEY CREATE\_TIME

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244502 ORA 600 [qesaAdaptFch.4] 2016-07-19 05:07:59.038000 +01:00

244494 ORA 600 [qesaAdaptFch.4] 2016-07-19 05:07:59.054000 +01:00

:

: (output truncated)

:

248310 ORA 600 [qesaAdaptFch.4] 2016-07-26 05:12:08.021000 +01:00

245136 ORA 600 [ORA-00600: internal error code, arguments: [qesaAd 2016-07-26 05:12:13.274000 +01:00

29 rows fetched

Look at incident ID 245136 in more detail. The mode parameter can be one of BASIC | BRIEF | DETAIL.

adrci> show incident -p "incident\_id=245136" -mode brief

ADR Home = /u01/app/oracle/diag/rdbms/cvtst01/CVTST01:

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INCIDENT INFO RECORD 1

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INCIDENT\_ID 245136

STATUS ready

CREATE\_TIME 2016-07-26 05:12:13.274000 +01:00

PROBLEM\_ID 1

CLOSE\_TIME <NULL>

FLOOD\_CONTROLLED none

ERROR\_FACILITY ORA

ERROR\_NUMBER 600

ERROR\_ARG1 ORA-00600: internal error code, arguments: [qesaAdaptFch.4], [0]

ERROR\_ARG2 <NULL>

ERROR\_ARG3 <NULL>

ERROR\_ARG4 <NULL>

ERROR\_ARG5 <NULL>

ERROR\_ARG6 <NULL>

ERROR\_ARG7 <NULL>

ERROR\_ARG8 <NULL>

ERROR\_ARG9 <NULL>

ERROR\_ARG10 <NULL>

ERROR\_ARG11 <NULL>

ERROR\_ARG12 <NULL>

SIGNALLING\_COMPONENT Parallel\_Execution

SIGNALLING\_SUBCOMPONENT <NULL>

SUSPECT\_COMPONENT <NULL>

SUSPECT\_SUBCOMPONENT <NULL>

ECID <NULL>

IMPACTS 0

1 rows fetched

Looking at the *PROBLEM\_ID* line from the output above, we can see this is problem# 1.Therefore we need to create a package based upon problem 1.

## Create a logical incident package.

adrci> ips create package problem 1 correlate all

Created package 6 based on problem id 1, correlation level all

The above output tells us that package 6 has been created. Therefore we need to generate package 6 in a directory of our choosing. I like to specify the directory so I know where to find the zip file when it’s created.

The command:

adrci> IPS CREATE PACKAGE

creates an empty package, whereas:

adrci> IPS CREATE PACKAGE PROBLEM 99

creates a package and includes diagnostic information for incidents that reference the specified problem key. You can obtain problem keys from the report displayed by the *SHOW INCIDENT* command.

## Generate the physical incident package

adrci> ips generate package 6 in "/mylocaldir"

Generated package 6 in file /mylocaldir /ORA600ORA\_20160726114411\_COM\_1.zip, mode complete

The incident is now packaged up in a zip file. When you submit the command to generate the physical package, ADRCI gathers all required diagnostic files and adds them to a zip file in a designated directory. You can generate a complete zip file or an incremental zip file. An incremental file contains all the diagnostic files that were added or changed since the last zip file was created for the same logical package. You can create incremental files only after you create a complete file, and you can create as many incremental files as you want. Each zip file is assigned a sequence number so that the files can be analysed in the correct order.

Zip files are named according to the following scheme:

<package name>\_<mode>\_<sequence>.zip

ie

ORA600ORA\_20160726114411\_COM\_1.zip

where:

* **package name** - consists of a portion of the problem key followed by a timestamp
* **mode** - is either '*COM*' or '*INC*', for complete or incremental
* **sequence** - is an integer

# Packaging Incidents

ADRCI commands are used to package one or more incidents for transmission to Oracle Support for analysis.

Packaging incidents is a three-step process:

1. Step 1—Create a logical incident package.
2. Step 2—Add diagnostic information to the incident package
3. Step 3—Generate the physical incident package

# IPS

Invokes the *Incident Packaging Service* (IPS) command set. The IPS command provides options for creating logical incident packages (packages), adding diagnostic data to packages, and generating physical packages for transmission to Oracle Support.

# Summary

adrci> show incident

adrci> show incident -p "incident\_id=245136" -mode brief

adrci> ips create package problem 1 correlate all

adrci> ips generate package 6 in "/tmp"

# See also

1.

Data Warehousing and Business Intelligence (11g)

Database Utilities

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2.

ADR Different Methods to Create IPS Package (Doc ID 411.1)

This document provides instructions to create package using different methods.

3.

Database 11g / 12c: Quick Steps to Package and Send Critical Error Diagnostic Information to Support [Video] (Doc ID 443529.1)

This article explains how to find and send the alert.log and relevant trace files to Oracle Global Software Support when a critical error occurs in database, using the ADRCI tool.

4.

How to add more files to IPS package? (Doc ID 1456034.1)

It's possible to customize package by adding or removing files. This document provides instructions using ADRCI including example.

Keywords: adrci create ips package oracle diag

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