

Bug 9829397 - Excessive CPU and many "asynch descriptor resize" waits for SQL using Async IO (Doc ID 9829397.8)

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This note gives a brief overview of bug 9829397.

The content was last updated on: 28-JUN-2013

Click [here](#) for details of each of the sections below.

Affects:

Product (Component)	Oracle Server (Rdbms)
Range of versions <i>believed to be affected</i>	Versions >= 11.2 but BELOW 12.1
Versions <i>confirmed</i> as being affected	<ul style="list-style-type: none"> • 11.2.0.2 • 11.2.0.1
Platforms affected	Generic (all / most platforms affected)

It is believed to be a [regression](#) in **default** behaviour thus:

Regression introduced in 11.2.0.2

Fixed:

This issue is fixed in	<ul style="list-style-type: none"> • 12.1.0.1 (Base Release) • 11.2.0.3 (Server Patch Set) • 11.2.0.2.5 Database Patch Set Update • 11.2.0.2.5 Grid Infrastructure Patch Set Update (GI PSU) • 11.2.0.2 Bundle Patch 13 for Exadata Database • 11.2.0.2 Patch 13 on Windows Platforms • 11.2.0.1 Patch 15 on Windows Platforms
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Symptoms:

- [Excessive CPU Usage](#)
- [Performance Of Query/ies Affected](#)
- [Waits for "asynch descriptor resize"](#)

Related To:

- [DISK_ASYNC_IO](#)

Description

Some queries in 11.2 may exhibit higher CPU usage than earlier releases with many "asynch descriptor resize" waits occurring compared to the same SQL in earlier releases.

Rediscovery Notes:

Async IO is in use.

The total time waiting for "asynch descriptor resize" is typically very small but with very high counts. The high wait count indicates many resizes of the number of AIO descriptors unnecessarily wasting CPU.

Workaround

Disable async IO.

eg: Set DISK_ASYNC_IO = false

References:

For more information about "asynch descriptor resize" see the following:

[Note:1273748.1](#) High Numbers of 'asynch descriptor resize' waits

[Note:1081977.1](#) Details of the "asynch descriptor resize" wait event.

Getting a Fix

Use one of the "Fixed" versions listed above

(for Patch Sets / bundles use the latest version available as contents are cumulative - the "Fixed" version listed above is the first version where the fix is included)

or

[Click here for suggestions on how to get a fix for this issue](#)

Please note: The above is a summary description only. Actual symptoms can vary. Matching to any symptoms here does not confirm that you are encountering this problem. For questions about this bug please consult Oracle Support.

References

[Bug:9829397](#) (This link will only work for PUBLISHED bugs)

[Note:245840.1](#) Information on the sections in this article

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