

Oracle® Secure Enterprise Search

Release Notes

10g Release 1 (10.1.7) Beta for All Platforms

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Oracle Secure Enterprise Search (SES) 10g Release 1 (10.1.7) Beta Readme includes the following topics:

- [What's New in Release 10.1.7 Beta](#)
- [Version Information](#)
- [Known Issues](#)
- [Documentation Errata](#)
- [Documentation Accessibility](#)

What's New in Release 10.1.7 Beta

Oracle Secure Enterprise Search 10g Release 1 (10.1.7) is a limited Beta release, available to selected customers only. It will be upgradable to version 10.1.8.

Release 10.1.7 contains the following new features:

- Built-in source types for Oracle Calendar and Oracle Content Database/Oracle Content Services (Oracle Content Database and Oracle Content Services are the same product)
- Simplified configuration for federated sources
- Ability to register any identity management system for validating and authenticating users
- Ability to override the default document title with a meaningful title if the default title is deemed irrelevant

Version Information

To identify detailed version information for your Oracle Secure Enterprise Search installation, do the following:

```
% $ORACLE_HOME/jdk/bin/jar -xvf $ORACLE_HOME/search/lib/search_query.jar  
"oracle/search/query/buildinfo.properties"
```

```
% cd ./oracle/search/query
```

The `buildinfo.properties` file contains detailed build information that can be provided upon request to Oracle Technical Support.

Note: \$ORACLE_HOME represents the directory where Oracle SES was installed.

Known Issues

For updated information on bugs, workarounds, and best practices, go to the following site:

<http://www.oracle.com/technology/products/oses/index.html>

Attention Windows Laptop Users: If you frequently connect and disconnect your laptop from the network, or if you have your machine set to dynamically determine its IP address (DHCP protocol), then you must install a loopback adapter. See the Pre-Installation Steps in the *Oracle Secure Enterprise Search Installation Guide for Linux x86*.

Installation Issues

- If Oracle SES is installed in a low-performance system, or a system with high system load, then it is possible for the installation to fail.

Workaround: Switch to a higher-performance system, or reduce system load, before reinstalling.

This is tracked with Oracle bug 5464943.

- On Windows only: You must be part of the Administrators group on Windows to install Oracle SES.

Workaround: Log on as a user with Administrator privileges to install.

This is tracked with Oracle bug 5471204.

OracleAS Portal Issues

- Secure OracleAS Portal crawling requires the latest version of OracleAS Portal.

Workaround: The following table lists patch information necessary for each version of OracleAS Portal for which Oracle SES certifies. You can apply the one-off patch on top of the listed version, or you can wait to upgrade to the next patchset indicated. The one-off patches are available on Oracle Metalink at <http://metalink.oracle.com>. Enter the bug number for the appropriate OracleAS Portal release to get the patch.

Table 1 OracleAS Portal Patch Necessary for Secure OracleAS Portal Crawling

OracleAS Portal Release	Patchset to Upgrade	One-off Patch
9.0.4	9.0.4.3.0	This is tracked with Oracle bug 4637116. This should be applied on top of 9.0.4.2.0.
10.1.2	10.1.2.2.0	This is tracked with Oracle bug 4637116. This should be applied on top of 10.1.2.0.2.
10.1.4	10.1.4.1.0	This is tracked with Oracle bug 4995600. This should be applied on top of 10.1.4.0.0.

Table 1 (Cont.) OracleAS Portal Patch Necessary for Secure OracleAS Portal

OracleAS Portal Release	Patchset to Upgrade	One-off Patch
10.1.4	Not available	This is tracked with Oracle bug 5462366. This should be applied on top of 10.1.4.0.0.

General Issues

- For Linux only, in high I/O situations the system may hang if a large number of document conversion errors are encountered.

Workaround: Turn off core file generation at the operating system level.

This is tracked with Oracle bug 5199037.

- On Windows only, Oracle SES cannot allocate memory (SGA + PGA) correctly if the machine has more than 2G physical memory. The maximum memory usage Oracle SES can allocate is 800M.

Workaround: You can manually increase the maximum memory usage to 40% of the machine physical memory. Detailed instructions for this workaround are provided in the "Post-Installation Tasks" section of the *Oracle Secure Enterprise Search Installation Guide for Linux x86*.

This is tracked with Oracle bug 4620102.

- Oracle SES does not support a default entity to attribute mapping mechanism for XML content.

Workaround: A custom crawler plug-in is required to crawl and index XML. (see the *Oracle Secure Enterprise Search Administrator's Guide* for details).

This is tracked with Oracle bug 4501161.

- The e-mail message browser in the default query application is unable to display attached HTML files for crawled e-mail messages that were originally sent from certain mail clients (for example, Mozilla Thunderbird). An `UnsupportedEncodingException` will be shown instead.

This is tracked by Oracle bug 5104659.

Administration Issues

- Table sources cannot handle quoted identifiers for the table or column names. For example, table or column names containing spaces, lowercase characters, or non-alphabetic characters other than underscore (_), dollar sign (\$), and pound sign (#) are not supported.

Workaround: Create a view using nonquoted identifiers on top of the table having quoted identifiers. Then crawl that view.

This is tracked with Oracle bug 5093512.

- Limitations in the range of characters that can be used in the Suggested Links feature: Suggested links does not support keywords with a hyphen, such as e-travel. The characters +~!~ in a query string are ignored while matching suggested links, and the characters ~!@#%^(*)_+=[\{}|;:?,./<>'& should be ignored in suggested links.

This is tracked with Oracle bugs 4434993, 4280409, and 4280437.

- When an end user changes the credentials (user name/password) for a subscribed (self service) source after it has been crawled, the previous documents crawled with the old credentials remain in the index. This may cause unexpected behavior for e-mail sources, in which the old documents may share the same URL with new e-mail documents from the most recent e-mail account. In this situations, some e-mail messages from the most recent crawl using the new credentials may not be indexed if an old message shares the same folder and message IDs.

Workaround: Update the crawler recrawl policy to **Process All Documents** on the **Home - Schedules - Edit Schedules** page, and recrawl the source.

This is tracked with Oracle bug 5048374.

Secure Search Issues

- The documented restrictions about changing ACL policies only work if the **Authorization** page for the source in the administration tool is current. If the page is not current, then you may be able to update the ACL policy in a way that should be disallowed.

Workaround: Before updating the ACL policy, ensure that the **Authorization** page is current by clicking the browser **Refresh** button.

This is tracked with Oracle bug 5065426.

Search Term Issues

- Wildcard search inside a phrase is not supported.
This is tracked with Oracle bug 4451462.
- Boolean OR operator is not supported between advanced search operators; for example, a site/filetype restricted term and other search terms.
This is tracked with Oracle bug 4451445.
- Very long search terms cause an exception in the Web service query interface.
This is tracked with Oracle bug 4446793.
- Browse results do not include file sources.
This is tracked with Oracle bug 4285489.

Internationalization Issues

- The administration environment language is reset to English after having been set to another language if not properly logged out.
This is tracked with Oracle bug 4424711.
- Browse categories render incorrectly in BIDI.
This is tracked with Oracle bug 4198113.

Crawler Plug-in Issues

- In the crawler plug-in interface, when a document is empty or is in pure text format (not HTML), document attributes may not be inserted correctly into the index. This may affect attribute search and search within a source group.

Workaround: Add a start tag and end tag in the document content; for example, `<html></html>` for empty or text documents before submitting the document to the crawler.

This is tracked with Oracle bug 5047114.

- When editing user-defined sources, the following pages in the administration tool do not apply to the crawler plug-in:
 - **Authentication** page
 - **Document Types** page
 - **Crawling Parameters** page: Only the following fields on this page can be set for user-defined sources: **Number of crawling threads**, **Enable language detection**, **Default language**

Web Services API Issues

- The `logUserClick` API is not supported.

This is tracked with Oracle bug 5090058.

- Deploying an application using the Web Services APIs in the same middle tier (OC4J container) as Oracle SES is not supported if the Oracle SES crawlers require HTTP proxy settings.

Workaround: Oracle SES HTTP proxy settings are applied to the entire OC4J container. Invocation of the WS APIs should be done without using a proxy. That is, this particular URL to the custom Web application should be excluded from the proxy settings. For this, make the settings in `searchctl.pl` file directly, so that it will be effective for the entire OC4J container.

1. Open `$ORACLE_HOME/bin/searchctl.pl`.
2. Find the `startUS` subroutine.
3. Add the following options to the `$cmd` variable after the first doublequote:

```
-Dhttps.proxyHost=<host> -Dhttps.proxyPort=<port>  
-Dhttp.proxyHost=<host> -Dhttp.proxyPort=<port>  
-Dhttp.nonProxyHosts='<*.domain>'
```

where `<*.domain>` is the domain you want to exclude from the proxy settings

4. Restart the middle tier with `searchctl restart`.

This is tracked with Oracle bug 5102814.

Documentation Errata

This section corrects errors in the existing documentation.

Online Help

- Oracle SES includes a built-in source type for Oracle Content Database. Oracle Content Database is the new name for the latest release of Oracle Content Services. This section uses the product name Oracle Content

Database to mean Oracle Content Database *and* Oracle Content Services. The online help uses the product name Oracle Content Services to mean Oracle Content Database *and* Oracle Content Services. Oracle Content Database sources are certified with Oracle Content Database release 10.2 and Oracle Content Services release 10.1.2.3.

- The online help for the end-user search page states that the following file type extensions are supported for file type filtering: doc, html, pdf, txt, rtf, ppt, xls. Oracle SES 10.1.7 also supports ps, htm, and xml.
- The **Home - Sources - Crawling Parameters** help page says that **Index Dynamic Page** is set to **No** by default. This is incorrect. The default is **Yes**.
- The **Global Settings - Query Configuration** help page says that the spelling correction feature is turned on by default. This is incorrect. **Enable Spelling Correction** is set to **No** by default.
- The **Global Settings - Crawler Configuration** page says, "If the total number of log files for a source reaches three, then the oldest log file is deleted." This is incorrect. The three should be changed to seven.
- The **Home - Sources - Authentication for OracleAS Portal Sources** help page states the following: "Note: The user specified must have view-all privileges for the page groups being crawled." This is incorrect. It should state the following: "The user specified must have the following privileges in OracleAS Portal: the View privilege on the object types All Page Groups, All Pages, and All Styles."
- When creating a federated source, you must enter the Web services URL. The tip below the input box uses the following example:
`<protocol>://<host>:<port>/default/query/OracleSearch`. This is incorrect. It should be the actual default Oracle SES Web services URL. For example:
`<protocol>://<host>:<port>/search/query/OracleSearch`

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