



**DigiTool Version 3.2
(Service Pack 28) Release Notes
June 2010**

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1. Introduction

DigiTool service pack 28 is the seventh service pack of the 3.2 revision (mini-release). This service pack provides fixes and corrections to DigiTool.

1.1 Purpose and Scope

The purpose of this document is to describe the functional and technical changes related to fixed defects (SIs) and all new enhancements included in this mini-release version.

Wherever possible, implementation actions will be performed automatically by the SP mechanism – particularly for mandatory and recommended setup changes involving server-side setup and configuration implementation steps. You will receive an e-mail with the list of changes applied, as well as a “To Do” list of any remaining manual changes that may still be required, if any. This document will be attached to the e-mail described.

Where relevant, the additional manual steps that remain to be taken to activate any new functionality or change are described and organized by topic, level, and target audience. Generally, the non-automatic changes are non-mandatory, but there may be infrequent exceptions which will be denoted accordingly.

Ideally, and in most cases, the SP can be installed and no further changes will be needed in order to continue working with the system.

Note: You must run `set_globals.sh` after installing and implementing any relevant manual changes related to this SP, and before starting the application again with `dtl_startup_all`.

```
>>j_bin
>>./set_globals.sh

>>dtle
>>dtl_startup_all
```

Note: Always run Meditor’s version update after each SP installation to ensure that you have the most recent and working functionality of the Meditor PC client. To run the version update, select **DigiTool > Utilities > Version Check** using Meditor’s top toolbar.

1.2 Service Pack Information

1.2.1 DigiTool Revision, Service Pack Name & Number

DigiTool v 3.2 Service Pack 28 – June, 2010

1.2.2 Service Pack Highlights

The service pack items are categorized by the following:

- **Implementation actions** – Changes that involve some setup/configuration modification that must be activated. Two main classes of implementation actions exist:
 - Changes that involve modifications to configuration/setup in order to **allow** the use of the new change/function/feature. These changes are noted in the SP automated e-mail report and in the [Changes with Implementation Actions](#) table. These changes will usually be automated.
 - Changes that may also involve instructions on **how** to use the new change/function/feature. These changes are also included in the [Changes with Implementation Actions](#) table. They are usually optional and contain instructions on how to use a new function/feature. These changes may be entirely automatic (done by SP), partially automatic (there may be additional steps to initiate), or manual (may require additional actions to activate).
 - Level
 - Mandatory – It is mandatory to activate this feature (auto or manual).
 - Recommended – It is not mandatory, but it is the recommendation of Ex Libris that the change be initiated.
 - Optional – It is possible to choose whether or not to activate the new feature.
 - Target Audience
 - ALL
 - Module/orientation-specific
- **No implementation actions** – Changes that do not involve any setup/configuration change, and are generally code-based changes. These changes are always automatic. They can be viewed in the [Code Changes \(No Implementation Actions\)](#) table.

2. Service Pack Content Summary

Below is a list of corrections and enhancements included in this service pack. More detailed descriptions, where relevant, are provided in subsequent chapters.

The first table represents those changes that involve configuration changes that are either performed automatically or must be performed manually in order to be activated. The Auto-Enable column indicates whether or not the change was intended to be automatically performed by the SP. However, ensure that you check the SP-generated e-mail after the SP is installed to see the status of any unperformed actions that were intended to be either automatic or manual.

The second table represents a list of defect fixes (code change only) that are automatically fixed by the SP mechanism patch.

Items that have additional information or implementation actions will be linkable from the Change ID # column.

2.1 Changes with Implementation Actions

Change ID #	Target Audience	Brief Description	Level	Type	Module/ Topic	RPC #	Auto Enable
1	Sites using RD	Refine and Cancel buttons in the Refine window are fixed.	Recommended	Bug	Resource Discovery	1469	N
2	Sites using RD	Resource Discovery can be configured to enable a search of words containing double quotes	Recommended	Enhancement	Resource Discovery	1470	N
3	Sites using RD	Fixed the processing of Boolean words during the Resource Discovery search	Recommended	Bug	Resource Discovery	1473	N
4	ALL	Checksum exception when no sufficient memory can be allocated will return an appropriate message to the user	Mandatory	Defect	Ingest	1474	Y
5	ALL	DigiTool viewer title in the viewers will read from <code>messages_properties</code>	Mandatory	Enhancement	Viewer	1475	Y
6	Sites using Collections	Enhancement to Collection Management allows moving collections	Mandatory	Enhancement	Collection Management	1484	Y

Change ID #	Target Audience	Brief Description	Level	Type	Module/ Topic	RPC #	Auto Enable
<u>7</u>	ALL	Viewer error after session timeout	Mandatory	Defect	Viewer	1491	Y
<u>8</u>	ALL	There was a problem updating repository indexing. This has been fixed.	Mandatory	Bug	Indexing	1492	N
<u>9</u>	ALL	New maintenance job checks the current storage capacity status	Mandatory	Enhancement	Reporting	1493	Y

2.2 Code Changes (No Implementation Actions)

Change ID #	Target Audience	Description	Type	Module/ Topic	RPC #
1	ALL	Fixed the following: The filter by depositor does not work with the Approver folders when there is a defined browser locale.	Defect	Deposit	1463
2	ALL	jhove tech md issues	Defect	General	1464
3	ALL	The date format for generating reports will now be according to the setting in the repository_configuration.xml.	Defect	Reporting	1465
4	ALL	<p>Changes in repository replication scheduling:</p> <ol style="list-style-type: none"> 1. Using cron trigger, every_day_at_x_and_y. In this case, replication will be scheduled exactly as defined in repository_replication.xml 2. Using periodically define values, every_x_minutes and every_x_hours. In this case, replication will not be scheduled immediately on JBoss startup or rrc. The first run will be deployed as defined in the replication time. For example: <code><scheduling type="every_x_minutes" x="180"/></code> means that this replication will run for the first time 180 minutes after JBoss restart and rrc, and will then be scheduled to repeat runs in the defined time interval. 3. A new way to define replication scheduling: cron_trigger that will include a cron expression. For example: <code><scheduling type="cron_trigger" x="0 0 12 * * ?"/></code> <p>Cron scheduling expression examples: http://www.quartz-scheduler.org/docs/tutorials/crontrigger.html</p> <p>Notes: The sync_on_startup flag is now defunct. All scheduling changes require a JBoss restart. The described changes are relevant for both repository replication and repository synchronization.</p>	Defect	Repository Replication	1466
5	ALL	Remote stream download did not work properly for some MIME types. Now, when the content type in the response header is empty, the file extension from the URL will be used.	Defect	General	1467

Change ID #	Target Audience	Description	Type	Module/ Topic	RPC #
6	ALL	Enabled control of the length of URNFixedLengthGenerator, using the urn_fixed_length parameter in repository_configuration.xml. Note: The actual length will be the value +1.	Defect	General	1468
7	ALL	When the EXMLGrid.dll file, used by the XML editor was deleted or given special permissions for administrators in the Windows registry, the Meditor failed. This problem has been fixed, and an appropriate message is provided to the users.	Defect	Meditor	1471
8	Sites using RD	Fixed the problem caused by double quotes in an object label in the brief and table views of Resource Discovery.	Defect	Resource Discovery	1472
11	ALL	hdpdepositactivity.workflow was deleted when approving a deposit and deposits could be viewed by unauthorized approvers. This has been fixed: 1. hdpdepositactivity.workflow will not be deleted when an activity is approved. 2. When WF is deleted, hdpdepositactivity.workflow will be set to null. Only staff users with assigned staff profiles who are not restricted to a workflow will see these activities in the list of approved deposits.	Enhancement	Management	1476
12	ALL	Depositor and approver e-mail templates will now be admin unit-sensitive. The relevant admin unit should be appended to the XSL – for example, \$jdtlh system/xsl/deposit activity status change/ email to approvers dt102.xsl	Enhancement	Deposit	1477
13	ALL	CSV delimiter customization is now supported and can be defined in mapping.xml. For example: <tm:x_mapping xmlns:tm="http://com/exlibris/digitool/repository/transMap/xmlbeans" start from line="2" delimiter="-">	Enhancement	Ingest	1478
14	ALL	Technical	Defect	Ingest	1479
15	Sites using METS	Editing large StructMap of METS objects containing many children is now supported in Meditor.	Defect	Meditor	1480
16	ALL	The backup script wrote many lines in the Oracle log, which took a lot of memory. Extraneous lines will not be written now.	Defect	General	1481
17	ALL	UTIL K will not package service pack backup files.	Defect	Util K	1482
18	Sites using Harvest	Harvesting from scratch will empty table Z13.	Defect	Harvest	1483

Change ID #	Target Audience	Description	Type	Module/ Topic	RPC #
20	ALL	The copyright information text string, which appears in the Delivery window, can be translated to local languages in the relevant <code>messages_ln.properties</code> files.	Enhancement	Delivery	1485
21	Sites using Harvest	Technical	Defect	Harvest	1486
22	ALL	When editing the descriptive information form in an Approver deposit workflow, the selected values in combo boxes would sometimes be reset. This has been fixed.	Defect	Deposit	1487
23	Sites using E-Shelf	Objects with manifestations would not display when delivered via the E-Shelf viewer. This has been fixed.	Defect	E-Shelf	1488
24	ALL	Technical	Defect	General	1489
25	ALL	Synchronization (for example, via the Update Metadata job) improperly translated escaped non-sorting characters. This has been fixed.	Defect	General	1490

3. Changes with Implementation Actions (Detailed)

3.1 Change 1 – Refine and Cancel buttons in the Refine window are fixed

Level – Recommended
Target audience – Sites using RD
Type - Bug
Module – Resource Discovery
Automatically enabled – Y

Description: In the pop-up Refine window of the Resource Discovery search results, the **Refine** and **Cancel** buttons are now displayed correctly.

How to implement:

Change the pattern `scrolling=no` to `scrolling=auto` in the following files:

```
$dtle_root/www_r_<lng>/results-brief-body
```

```
$dtle_root/www_r_<lng>/results-full-body
```

```
$dtle_root/www_r_<lng>/results-table-body
```

Click [here](#) to return to the table above.

3.2 Change 2 – Resource Discovery can be configured to enable a search of words containing double quotes

Level – Recommended
Target audience – Sites using RD
Type - Enhancement
Module – Resource Discovery
Automatically enabled – N

Description: Resource Discovery can be configured to enable a search of words containing double quotes. The `tab_word_breaking` routine `ccl_quotes` should be used for this purpose.

To enable this, use the `tab_word_breaking` routine `to_blank` to replace double quotes by blank spaces during indexing. Use the new `tab_word_breaking` routine `ccl_quotes` to replace double quotes by blank spaces during a Resource Discovery search.

Note that it is insufficient to use the `to_blank` routine to replace double quotes by blank spaces during a Resource Discovery search. The new routine `ccl_quotes` should be used for this purpose.

How to implement:

1. Use the `tab_word_breaking` routine `to_blank` to replace double quotes by blank spaces during indexing.

The following `tab_word_breaking` line removes the listed special signs during the indexing:

01 # to_blank	!@#\$%^()_={}:";<>.,? \'-
---------------	---------------------------

2. The `tab_work_breaking` table usually contains the `to_blank` routine with key 90 for replacing special characters in the FIND query by blank spaces. For example:

90 # to_blank	@#\$^()={}:";<>., \'-
---------------	-----------------------

Remove the double quotes from the parameters of the `to_blank` routine with key 90. That is, the line listed above should be replaced by:

90 # to_blank	@#\$^()={}:<>., \'-
---------------	---------------------

3. Use the `tab_word_breaking` routine `ccl_quotes` to replace double quotes by blank spaces during a Resource Discovery search:

90 # ccl_quotes

4. For customers with Hebrew interface, it is recommended to make the following change in `$dtle_root/www_r_heb/search-simple-body`.

Replace the following line:

<TD><INPUT TYPE="text" NAME="REQUEST" class="Form" STYLE="WIDTH:300px" value="\$0200"></TD>

With

<TD><INPUT TYPE="text" NAME="REQUEST" class="Form" STYLE="WIDTH:300px" value='\$0200'></TD>

Note: Putting `$0200` in single quotes improves the display of words containing double quotes on the Simple Search screen.

Click [here](#) to return to the table above.

3.3 Change 3 – Fixed the processing of Boolean words during the Resource Discovery search

Level – Recommended
Target audience – Sites using RD
Type - Bug
Module – Resource Discovery
Automatically enabled – N

Description: In Resource Discovery, Boolean operators **and**, **or**, and **not** are processed as regular words if they occur at the beginning or at the end of the search expression.

For example, if the search expression is **aaa and bbb**, a search for a record containing **aaa** and **bbb** is performed. If the search expression is **and aaa**, the search for a record containing **and** and **aaa** is performed.

How to implement:

The manual implementation for this rep_change is the same as the first three steps for rep_change 1470 (Change 2). If you have chosen to implement_rep_change 1470, no further steps are necessary.

Click [here](#) to return to the table above.

3.4 Change 4 – Add fixity check exception message

Level – Mandatory
Target audience – ALL
Type - Bug
Module – Ingest
Automatically enabled – Y

Description: When the fixity check cannot allocate sufficient memory, the user should receive an appropriate message.

Automatic steps performed by the SP – for reference:

1. In \$jdtlh/system/i18n/messages*.properties, add the following lines:

```
e.36203=Unable to execute checksum. Could not allocate sufficient memory.  
e.50020=CSV transformer timeout
```

2. In \$jdtlh/system/ExLibMessageFile.properties, add the following lines:

```
36203=Unable to execute checksum. Could not allocate sufficient memory.
```

```
50020=CSV transformer timeout
```

Click [here](#) to return to the table above.

3.5 Change 5 – DigiTool viewer title in the viewers will read from the messages_properties

Level – Mandatory
Target audience – ALL
Type - Enhancement
Module – Viewer
Automatically enabled – Y

Description: The DigiTool viewer title in the viewers will read from the messages_properties file.

Automatic steps performed by the SP – for reference:

1. In \$jdtlh/system/i18n/messages*.properties, add the following lines:

```
v.title.mets.viewer=Mets Viewer  
v.title.simple.viewer=Digitool Viewer
```

2. In \${jdtlh}/profile/overwrites/conf/i18n/messages*.properties, add the following lines:

```
v.title.mets.viewer=Mets Viewer  
v.title.simple.viewer=Digitool Viewer
```

3. Restart JBoss

Click [here](#) to return to the table above.

3.6 Change 6 – Enhancement to Collection Management allows moving collections

Level – Mandatory
Target audience – Sites using Collections
Type - Enhancement
Module – Collection Management
Automatically enabled – Y

Description: Collections of any type and on any hierarchical level may be moved to any node collection in the same admin unit as long as this does not create a recursive loop. For example, moving a collection under one of its own sub-collections is not supported.

Automatic steps performed by the SP – for reference:

1. In `$jdtlh/system/i18n/messages*.properties`, add the following lines:

```
1.label.move_collection=Move collection
1.tooltip.move=Move
```

2. In `${jdtlh}/profile/overwrites/conf/i18n/messages*.properties`, add the following lines:

```
1.label.move_collection=Move collection
1.tooltip.move=Move
```

3. Restart JBoss

Click [here](#) to return to the table above.

3.7 Change 7 – Viewer error after session timeout

Level – Mandatory
Target audience – Sites using Collections
Type - Defect
Module – Viewer
Automatically enabled – Y

Description: When a viewer session reaches a timeout, an error message will be displayed.

Automatic steps performed by the SP – for reference:

1. In \$jdtlh/system/i18n/messages*.properties, add the following lines:

```
v.title.session_timeout=Session Timeout
```

Click [here](#) to return to the table above.

3.8 Change 8 – There was a problem updating repository indexing. This has been fixed.

Level – Mandatory
Target audience – ALL
Type - Bug
Module – Indexing
Automatically enabled – N

Description: There was a problem updating repository indexing.

In certain circumstances, the repository index of an item was deleted. This has been fixed.

How to implement:

From the Management module, run a re-indexing job on the entire repository.

Click [here](#) to return to the table above.

3.9 Change 9 – New maintenance job checks the current storage capacity status

Level – Mandatory
Target audience – ALL
Type – Enhancement
Module – Reporting
Automatically enabled – Y

Description: A new job named Storage Status Report has been added to the maintenance interface. Running this job will trigger an e-mail alert if any of the storage directories have reached a threshold capacity.

The recipient e-mail address and the desired threshold capacity are specified in the Job Parameters screen when running the job. Note that the e-mail will be triggered only once when the job is run. If none of the storage directories have reached the specified threshold when the job is run, no e-mail will be triggered.

The job may be scheduled to run periodically using the standard maintenance job scheduler, available from the Job Parameters screen.

Automatic steps performed by the SP – for reference:

1. In \$jdtlh/system/i18n/messages*.properties, add the following lines:

```
mng.report.email.address.from=Management Department <do-not-reply@exlibrisgroup.com>
mng.report.email.subject=Digitool Job Report
```

2. In \$jdtlh/system/repository_jobs_configuration.xml, add the following lines:

```
<repository_job name="Storage Status Report" type="report">

<job_class>com.exlibris.digitool.repository.maintenance.StorageStatusJob</job_class>

  <ui_description>This job informs of the storage status</ui_description>

  <ui_explanation>This job informs of the storage status</ui_explanation>

  <output_file_name>StorageStatusReport</output_file_name>

  <skip_population>true</skip_population>
```

```

<fr:x_form>
  <form_name>StorageStatusJobForm</form_name>
  <description>This job informs of the storage
status</description>
  <grid_x>1</grid_x>
  <md_format>1</md_format>
  <x_fields>
    <x_field>
      <input_name>dummy</input_name>
      <md_target_name>dummy</md_target_name>
      <md_custom_target>dummy</md_custom_target>
      <ui_description>Storage status report</ui_description>
      <ui_explanation_text>Storage status
report</ui_explanation_text>
      <ui_tool_tip>Dummy</ui_tool_tip>
      <single>true</single>
      <default_value>ALL</default_value>
      <pos_x>1</pos_x>
      <pos_y>1</pos_y>
      <mandatory>false</mandatory>
      <!-- 8 hidden field -->
      <logic_type>8</logic_type>
      <x_ui_type>TextField</x_ui_type>
      <x_options></x_options>
    </x_field>
    <x_field>
      <input_name>sendReport</input_name>
      <md_target_name>sendReport</md_target_name>
      <md_custom_target>sendReport</md_custom_target>
      <ui_description>E-Mail Address</ui_description>

```

```

        <ui_explanation_text>e-mail address to send the
report</ui_explanation_text>
        <ui_tool_tip></ui_tool_tip>
        <single>true</single>
        <default_value></default_value>
        <pos_x>1</pos_x>
        <pos_y>2</pos_y>
        <mandatory>false</mandatory>
        <!-- 8 hidden field -->
        <logic_type>1</logic_type>
        <x_ui_type>TextField</x_ui_type>
        <x_options></x_options>
    </x_field>
    <x_field>
        <input_name>percent</input_name>
        <ui_description>Threshold Percentage For E-
Mail:</ui_description>
        <ui_explanation_text>Threshold percentage to
send an e-mail</ui_explanation_text>
        <ui_tool_tip></ui_tool_tip>
        <single>true</single>
        <default_value></default_value>
        <pos_x>1</pos_x>
        <pos_y>3</pos_y>
        <mandatory>false</mandatory>
        <logic_type>2</logic_type>
        <x_ui_type>ComboBox</x_ui_type>
        <x_options>
            <x_option>
                <value>0.1</value>

```

```
        <label>10%</label>
    </x_option>
    <x_option>
        <value>0.2</value>
        <label>20%</label>
    </x_option>
    <x_option>
        <value>0.3</value>
        <label>30%</label>
    </x_option>
    <x_option>
        <value>0.4</value>
        <label>40%</label>
    </x_option>
    <x_option>
        <value>0.5</value>
        <label>50%</label>
    </x_option>
    <x_option>
        <value>0.6</value>
        <label>60%</label>
    </x_option>
    <x_option>
        <value>0.7</value>
        <label>70%</label>
    </x_option>
    <x_option>
        <value>0.8</value>
        <label>80%</label>
```

```
        </x_option>
        <x_option>
            <value>0.9</value>
            <label>90%</label>
        </x_option>
    </x_options>
    <default_value>0.8</default_value>
</x_field>
</x_fields>
</fr:x_form>
<report_xsd>StorageStatusJobReport</report_xsd>
</repository_job>
```

Click [here](#) to return to the table above.