

APAR: IZ20427

Symptom: Performance problems during creation of big PDF reports. Creating large PDF reports can "hang" the system showing 97 percent CPU usage during the PDF "rendering".

Note: This fixes the problem of contiguous memory allocation, during PDF report generation and to some extent the total memory usage by zipping up the report contents.

As part of the fix for this APAR, a new property 'pdfReportFragmentSize' has been introduced, which can be configured in \$ITIM_HOME/data/adhocreporting.properties file. The value of this property decides the number of records to be displayed in one PDF fragment.

Another property 'pdfReportMaxFragments' has been introduced, which too can be configured in \$ITIM_HOME/data/adhocreporting.properties. The value of this property decides the maximum number of fragments to be displayed.

ITIM application need not be restarted, for the above two properties to take effect, instead it will take effect within a minute or so.

When 'pdfReportFragmentSize' is configured to have a value greater than 0, the PDF report will be split into fragments, which are accessible using page links in a new window. The new window is split into two sections, the top and bottom :

- a. The top section shows the PDF report data.
- b. The bottom section displays page links.

When "pdfReportMaxFragments" is defined and set to some value greater than 0, and the displayed records are not a complete set of the data, this section also displays the following error message -

"CTGIMS003W The search size exceeds the maximum of {<records displayed>} items. The results have been truncated.

Along with the page links, a 'Done' link, which is for optimal memory usage, SHOULD be clicked on, to free up the user's session from storing the report data, when the logged-in user is done with viewing the report.