

BIRT API Change Control Document

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1. Introduction

Add APIs in IReportDocument to check whether the document all has been read and reload the core stream if necessary.

2. Changed APIs:

None.

3. Added APIs:

3.1 Name : IReportDocument

Component name : org.eclipse.birt.report.engine

Package name : org.eclipse.birt.report.engine.api

Change Request:

1. Add method:

`public boolean isComplete ();`

Return the whether the document has all been read.

2. Add method:

`public void refresh();`

If the current read checkpoint is the same as the current wrote checkpoint in the document, do nothing. Otherwise, reload the core stream and page count

3.2 Name : IReportDocumentInfo

Component name : org.eclipse.birt.report.engine

Package name : org.eclipse.birt.report.engine.api

Change Request:

1. Add method:

```
public boolean isComplete ( );
```

Return the whether the document has all been written.

Proposed Solution:

User can synchronous read the document which is being writing.

Sample:

1. Create a thread to execute the runTask.
2. Create another thread to execute the render task.
 - a) Open ReportDocument.
 - b) Use getPageCount to render the specified page.
 - c) Call IsCompete.
 - d) Call Refersh to reload the document, goto step b.

4. Removed APIs:

None

5. Miscellaneous Change Requests

None.