

BIRT API Change Control Document

IReportEngine

BIRT API Change Control Document	1
1. Introduction	1
2. Added APIs:	1
2.1 Name = IReportEngine	1

1. Introduction

Model adds multiple options used to control the design parser, such as enable_semantic_check, resource_path etc. Model will add more options used to control the parser.

As all the options are set through engine API, engine must accept the options and set them to model.

2. Added APIs:

2.1 Name = IReportEngine

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

Package name = org.eclipse.birt.erport.engine.api

Change Request:

Add two more APIs in the report engine to accept the MODEL parser options.

Proposed Solution:

```
/**
 * open the report design and return the runnable
 * @param name system id of the report design.
 * @param designStream stream of the report design.
 * @param options options used to parse the design.
 * @return
 * @throws EngineException
 * @see ModelOptions
 */
public IReportRunnable openReportDesign( String name,
    InputStream designStream, Map options )
    throws EngineException;
```

```

/**
 * opens a report document and returns an IReportDocument object, from
which
 * further information can be retrieved.
 *
 * @param systemId
 *         the system id the opened document. It is used to access
the resources with
 *         relative path in the report document. If it is NULL, a
saved one is used.
 * @param fileName
 *         the report document name. report document is an archive in
BIRT.
 * @param options
 *         Map defines the options used to parse the design
file.
 * @return A handle to the report document
 * @throws EngineException
 *         thrown when the report document archive does not exist,
or
 *         the file is not a valid report document
 */
public IReportDocument openReportDocument( String systemId,
                                           String fileName, Map options ) throws
EngineException;

```