

BIRT API Change Control Document

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This is a document to track the change request to the BIRT API. For each change request, the document will describe the new requirement, proposed solution and follow-up actions.

1. Introduction

[147863](#) [2.1RC4] Report Engine: Write parameters to log file when executing task.run();

To resolve this SCR, we need to add get/set APIs to:

1. org.eclipse.birt.report.engine.api.EngineConfig
 2. org.eclipse.birt.report.engine.api.IReportEngine
 3. org.eclipse.birt.report.engine.api.IEngineTask
- to get/set the loggers

2. Changed APIs:

None

3. Added APIs:

3.1 Name = setLogger

Component name = EngineConfig

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

Change Request:

In the EngineConfig, the user can define the logger used by the generated report engine.

Proposed Solution:

```
/**
 * defined the logger in the configuration.
 *
 * @return logger defined in the configuration.
 */
public void setLogger( Logger logger );
```

3.2 Name = getLogger

Component name = EngineConfig

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

Change Request:

The needs need get the logger set in the engine configuration.

Proposed Solution:

```
/**
 * return the logger used by the task.
 *
 * @return logger used by the task.
 */
public Logger getLogger( );
```

If the user doesn't set the logger explicitly, it will return the logger shared by all tasks.

3.3 Name = setLogger

Component name = IReportEngine

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

Change Request:

The user needs an API to set the logger used by report engine. The logger is shared among all the task which is created by the report engine.

Proposed Solution:

```
/**
 * set the logger used by report engine.
 *
 * @return logger used by the report engine.
 */
public void setLogger( Logger logger );
```

3.4 Name = getLogger

Component name = IReportEngine

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

Change Request:

The user needs an API to get the logger used by report engine, the logger is shared by all tasks created by the engine.

Proposed Solution:

```
/**
 * return the logger used by the task.
 *
 * @return logger used by the task.
 */
public Logger getLogger( );
```

If the user doesn't change the logger, the logger is one defined in the configuration. If there is no logger defined in the configuration also, return the default logger which is defined in the JAVA logger manager.

3.5 Name = getLogger

Component name = IEngineTask

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

Change Request:

The user needs an API to get the logger used by report engine task, so he/she can use that logger to output log messages.

Proposed Solution:

```
/**
 * return the logger used by the task.
 *
 * @return logger used by the task.
 */
public Logger getLogger( );
```

If the user doesn't set the logger explicitly, it will return the logger shared by all tasks.

3.6 Name = setLogger

Component name = IEngineTask

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

Change Request:

The user needs an API to get the logger used by report engine task, so he/she can use that logger to output log messages.

Proposed Solution:

```
/**
 * set the logger used by the task.
 *
 * @param logger
 *         the logger used to output messages.
 */
public void setLogger( Logger logger );
```

set the logger used by the engine task.

4. Removed APIs:

None

5. Miscellaneous Change Requests

None