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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

IHTMLImageHandler and IHTMLActionHandler is used to create the URL of image and hyperlinks. To create the URL, the handler needs to access the context used by the current report generation. The current interface passes the handle a context object is a either a HTMLRenderContext or PDFRenderContext.

This interface is not enough for the handler developer as:

1. The API is not cover the extended emitter developer. If a user creates a extended emitter which uses the ExtendedRenderContext, the report engine doesn't know the emitter is using different renderContext.
2. The developer need get the design object used by current report engine, it doesn't export such information.

As BIRT has a normalize interface to export the context running the report (IReportContext), so we can change the context from the renderContext to IReportContext.

2. Changed APIs:

2.1 Name = IHTMLImageHandler

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

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

Change Request:

The renderContext is not enough for the API users, enhance it to IScriptContext

2.2 Name = IHTMLActionHandler

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

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

Change Request:

The renderContext is not enough for the API users, enhance it to IScriptContext

Proposed Solution:

```
/**
 * Defines the image handler interface for use in HTML format
 */
public interface IHTMLImageHandler {
    /**
     * handles a design image. The implementation supplies a URL and
     optionally stores the image.
     *
     * @param image the image definition object
     * @param context the context for generating the URL
     * @return the URL for the image
     * @deprecated
     */
    public abstract String onDesignImage(IImage image, Object context);
    public abstract String onDesignImage(IImage image, IReportContext
context);

    /**
     * handles a database image. The implementation supplies a URL and
     optionally stores the image.
     *
     * @param image the image definition object
     * @param context the context for generating the URL
     * @return the URL for the image
     * @deprecated
     */
    public abstract String onDocImage(IImage image, Object context);
    public abstract String onDocImage(IImage image, IReportContext context);

    /**
     * handles a image specified as a on-disk URI. The implementation
     supplies a URL and
     * optionally stores the image.
     *
     * @param image the image definition object
     * @param context the context for generating the URL
     * @return the URL for the image
     * @deprecated
     */
    public abstract String onFileImage(IImage image, Object context);
```

```

public abstract String onFileImage(IImage image, IReportContext context);

/**
 * handles an image specified as an external URL. The implementation
supplies a URL and
 * optionally stores the image.
 *
 * @param image the image definition object
 * @param context the context for generating the URL
 * @return the URL for the image
 * @deprecated
 */
public abstract String onURLImage(IImage image, Object context);
public abstract String onURLImage(IImage image, IReportContext context);

/**
 * handles a custom image created for example, by chart extension. The
implementation
 * supplies a URL and optionally stores the image.
 *
 * @param image the image definition object
 * @param context the context for generating the URL
 * @return the URL for the image
 * @deprecated
 */
public abstract String onCustomImage(IImage image, Object context);
public abstract String onCustomImage(IImage image, IReportContext
context);
}

```

3. Miscellaneous Change Requests

<Same as section 2 >