## URLs

To test IRiS I have put up a sample page. That page may be accessed using <http://iris-dev.opentestsystem.org:8080/iris/IrisPages/sample.xhtml>.

## Request Formats

### Identifying items: <bankKey, itemKey> or id

The proprietary IRiS supports only request formats with “id” to identify content. OSS IRiS supports the “id” parameter as well as a <”bankKey”,”itemKey”> combination. So for example the following two requests are analogous.

|  |
| --- |
| *{"items":[{"response":"<response><math xmlns=\"http://www.w3.org/1998/Math/MathML\" title=\"12\"><mstyle><mn>12</mn></mstyle></math></response>","id":"I-187-1986"}],"passage":null}* |
| *{"items":[{"response":"<response><math xmlns=\"http://www.w3.org/1998/Math/MathML\" title=\"12\"><mstyle><mn>12</mn></mstyle></math></response>","bankKey":"187", "itemKey":"1986"}],"passage":null}* |

### Layout

Setting arbitrary layouts are supported by the use of “layout” parameter as shown below.

*{"items":[{"response":"<response><math xmlns=\"http://www.w3.org/1998/Math/MathML\" title=\"12\"><mstyle><mn>12</mn></mstyle></math></response>","id":"I-187-1986"}],"passage":null, "layout":"7"}*

### 2.3 Passages

Auto-loading of passages is supported and is the default action wherever applicable. So the following two requests are synonymous:

|  |
| --- |
| *{"items":[{"response":"","id":"I-187-2672"}, {"response":"","id":"I-187-2673"}, {"response":"","id":"I-187-2674"}, {"response":"","id":"I-187-2675"}, {"response":"","id":"I-187-2676"}, {"response":"","id":"I-187-2677"}, {"response":"","id":"I-187-2678"}, {"response":"","id":"I-187-2679"}, {"response":"","id":"I-187-2674"}],"passage":{"id":"P-187-3756"}}* |
| *{"items":[{"response":"","id":"I-187-2672"}, {"response":"","id":"I-187-2673"}, {"response":"","id":"I-187-2674"}, {"response":"","id":"I-187-2675"}, {"response":"","id":"I-187-2676"}, {"response":"","id":"I-187-2677"}, {"response":"","id":"I-187-2678"}, {"response":"","id":"I-187-2679"}, {"response":"","id":"I-187-2674"}]}* |

Please note that if using the “id” attribute (instead of <bankKey, itemKey> combination) items ids start with “I” whereas passages start with “P”. This is the same format as supported by the proprietary system and is arguably a non-uniform way of dealing with items. Hence the <bankKey, itemKey> combination may be a more desirable way to address items.

Auto-loading of passages may be avoided by passing the “autoLoad” parameter set to false in the request.

Example:

*{"items":[{"response":"","id":"I-187-2672"}, {"response":"","id":"I-187-2673"}, {"response":"","id":"I-187-2674"}, {"response":"","id":"I-187-2675"}, {"response":"","id":"I-187-2676"}, {"response":"","id":"I-187-2677"}, {"response":"","id":"I-187-2678"}, {"response":"","id":"I-187-2679"}, {"response":"","id":"I-187-2674"}],"passage":{"autoLoad":"false"}}*

### 2.4 To put it all together

The following requests show how to use all the parameters discussed above.

*{"items":[{"response":"","id":"I-187-2672"}, {"response":"","id":"I-187-2673"}, {"response":"","id":"I-187-2674"}, {"response":"","id":"I-187-2675"}, {"response":"","id":"I-187-2676"}, {"response":"","id":"I-187-2677"}, {"response":"","id":"I-187-2678"}, {"response":"","id":"I-187-2679"}, {"response":"","id":"I-187-2674"}],"passage":{"autoLoad":"false"}, "layout":"23"}*

It may be desired to have debug information while testing different layouts and it is certainly doable. Please talk to project managers to draft requirements.

## Deploying Content

The easiest way to deploy content is to use a scp client (tested with PSCP on Windows) and use the key file for user crsftp. Content needs to be deployed to the folder /usr/local/tomcat/content. So for example on the windows platform I would use the following command:

*C:\tmp\Bank-187>c:\install\pscp.exe -r ..\bank-176\items\Item-176-42743 crsftp@iris-dev.opentestsystem.org:/usr/local/tomcat/content/*

Note: Please request the key file from project manager. Also please note that the user is crsftp and the content needs to be deployed to /usr/local/tomcat/content.

## Loading Content

Once content has been deployed as identified by section 3 above, the system should pick it up automatically. However, this feature may not be reliable - especially when deploying massive number of files by copying from a remote location.

The only reliable way to make sure the system picks up all newly deployed content use the following link.

http://iris-dev.opentestsystem.org:8080/iris/Pages/API/content/reload

This is a blocking call and is an initial attempt at providing an API that does involve restart the site. This API will be refined in the next iteration to provide more information on content that has been loaded, content with errors etc. Please talk to project managers in case you have specific requirements.

## Read-only Mode

The sample page and scripts that have been supplied put the site in read-only model i.e. user actions on the interface will not change the response. The response however, may be programmatically set to something else as is done when “Set Response” button is clicked.

If it is indeed the intention that user interaction should be allowed then please let project managers know.