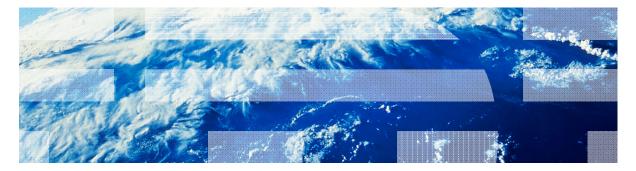


IBM Worklight V5.0.5 Getting Started

Module 5.4 – Creating Cast Iron Adapters



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Using this module

 This module is relevant if you have IBM® WebSphere® Cast Iron® live or some Cast Iron environment set up.



Agenda

- What is it?
- Creating the adapter

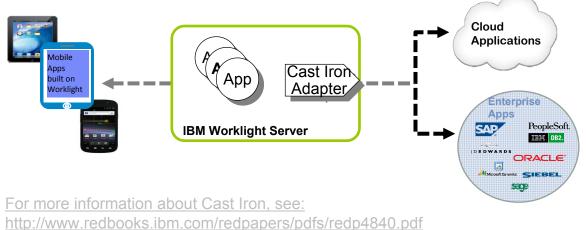
What is it?

- IBM WebSphere® Cast Iron® enables companies to integrate applications, regardless of whether the applications are located on-premise or in public or private clouds.
- WebSphere Cast Iron provides an approach for integrating applications that does not require any programming knowledge.
- You can build integration flows in WebSphere Cast Iron Studio, which is a graphical development environment installed on a personal computer.
 - With Cast Iron Studio, you create an integration project that contains one or more orchestrations. Each orchestration is built with a number of activities that define the flow of data.
- IBM Worklight[®] contains a Cast Iron Adapter type to integrate with WebSphere Cast Iron.



What is it?

- A Worklight Cast Iron adapter performs the following functions:
 - Initiates orchestrations in Cast Iron to retrieve and return data to mobile clients



http://www.redbooks.ibm.com/abstracts/sg248004.html?Open



Agenda

- What is it?
- Creating the adapter



Creating the Cast Iron adapter

 Within Worklight Studio, right-click the Worklight project and add a Worklight Cast Iron adapter

 A standard adapter structure is created

00	New Worklight Adapter	
Worklight Adap Create a new ad		Ģ
Project name:	Test	\$
Adapter type :	Cast Iron Adapter	\$
Adapter name :	CastlronAdapter	
?	< Back Next > Cancel Fin	sh





JS File: Procedures Implementation

Procedures are implemented in the adapter JavaScript file





JS File: Procedures Implementation

- Procedure names in the JavaScript file must be the same as in the XML file
- Required invocation parameters are method, appName, requestType, path, and returnedContentType
- An optional invocation parameter, transformation, has the subparameters type and xslfile
- Procedures can be parameterized at runtime



Procedure XML file

<pre>var input = { method : 'get', appName : 'myApp', requestType: 'http', path : orchestrationName, returnedContentType : 'xml'</pre>
}; return WL.Server.invokeCastIron(input);

Procedure JavaScript file



JS File: Procedures Implementation

- To invoke a Cast Iron request, use the WL.Server.invokeCastIron method
- Provide an input parameters object
- Specify:
 - The HTTP method: get or post
 - The application name
 - The request type
 - The service path



- The returned content type: XML, JSON, HTML, or plain
- The transformation type
- For a complete list of invocation options, see the IBM Worklight Information Center



XSL Transformation Filtering

- An XSL transformation can be applied to the received data
- It an be used to filter received data
- To apply, specify the transformation options in the procedure invocation input parameters

```
function startOrchestrationFiltered(orchestrationName){
    var input = {
        method : 'get',
        appName : 'myApp',
        requestType: 'http',
        path : orchestrationName,
        returnedContentType : 'xml',
        transformation : {
            type : 'xslFile',
            xslFile : 'ci-filtered.xsl'
        }
    };
    return WL.Server.invokeCastIron(input);
}
```

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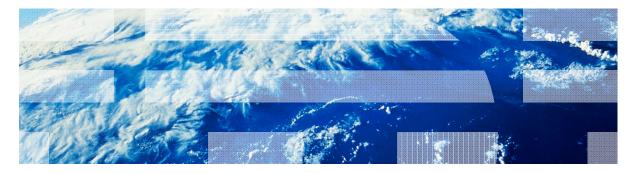
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