

Jax-RS Client Library

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This module (`incode-module-jaxrsclient-dom`) provides a wrapper around the JAX-RS Client API, as implemented by [Apache CXF](#).

How to configure/use

Classpath

Update your classpath by adding this dependency in your dom project's `pom.xml`:

```
<dependency>
  <groupId>org.incode.module.jaxrsclient</groupId>
  <artifactId>incode-module-jaxrsclient-dom</artifactId>
  <version>1.16.1</version>
</dependency>
```

Check for later releases by searching [Maven Central Repo](#).

For instructions on how to use the latest `-SNAPSHOT`, see the [contributors guide](#).

Bootstrapping

In the `AppManifest`, update its `getModules()` method, eg:

```
@Override
public List<Class<?>> getModules() {
    return Arrays.asList(
        ...
        org.incode.module.jaxrsclient.JaxRsClientModule.class,
        ...
    );
}
```

Configuration Properties

There are no configuration properties - the URL a

API and Implementation

The API is:

```
public interface JaxRsClient {  
  
    enum ReprType {  
        OBJECT,  
        ACTION_RESULT;  
    }  
  
    JaxRsResponse invoke(  
        URI uri, Class<?> dtoClass,  
        String username, String password);  
  
    JaxRsResponse get(  
        URI uri,  
        Class<?> dtoClass, ReprType reprType,  
        String username, String password);  
  
    JaxRsResponse post(  
        URI uri,  
        String bodyJson,  
        String username, String password);  
  
}
```

<1> <2> <3>

The library also provides an implementation of this API, namely `JaxRsClient.Default`.

Example Usage

From the unit tests:

```
UriBuilder uriBuilder =  
    UriBuilder.fromUri(  
        "http://jsonplaceholder.typicode.com/posts/2");  
final URI uri = uriBuilder.build();  
  
JaxRsClient jaxRsClient = new JaxRsClient.Default();  
  
final String user = null; // or whatever  
final String password = null; // or whatever  
final JaxRsResponse invoke = jaxRsClient.invoke(uri, SomeDto.class, user, password);  
  
final int status = invoke.getStatus();  
assertThat(status).isEqualTo(200);  
  
final String entity = invoke.readEntity(String.class);  
  
System.out.println(entity);
```

Known issues

None known at this time.

Dependencies

Maven can report modules dependencies using:

```
mvn dependency:list -o -pl modules/lib/jaxrsclient/impl -D excludeTransitive=true
```

which, excluding Apache Isis itself, returns these compile/runtime dependencies:

```
com.google.guava:guava:jar:19.0  
org.apache.cxf:cxf-rt-rs-client:jar:3.1.5
```

For further details on 3rd-party dependencies, see:

- [Guava](#)
- [Apache CXF](#)