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`:

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

Check for later releases by searching Maven Central Repo.

Bootstrapping

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

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

Configuration Properties

There are no configuration properties.

API and Implementation

The API is:

```java
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:

```java
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