

HTTP/2 Support

Starting from JBossWS 7.1.0, the new CXF HTTP client transport has been created to better support HTTP/2. This client which is using `java.net.http.HttpClient` now seamlessly upgrades to HTTP/2 if supported by the server. Otherwise, it falls back to HTTP/1.1. To enable this new client, you must ensure that the contextual property `force.urlconnection.http.conduit` is explicitly set to false, either in the System properties or the Bus. Otherwise, the default(old) client which based on `java.net.HttpURLConnection/javax.net.ssl.HttpURLConnection` is enabled.

To http version for the new client can be defined with the `org.apache.cxf.transport.http.forceVersion` property. This property can be set to system or bus property. Below is an example illustrating how to enable this new client and enforce the http version to 1.1:

```
BusFactory.getDefaultBus().setProperty("force.urlconnection.http.conduit", false);
BusFactory.getDefaultBus().setProperty("org.apache.cxf.transport.http.forceVersion",
"1.1");
HelloWorld port = getPort();
String response = port.echo("hello");
```

But from our tests, this new http client is a bit slower than the old client. Therefore, it's only recommended to consider using it when the client performance isn't critical and HTTP/2 support is required. For more information, please check out [CXF documentation]([https://cwiki.apache.org/confluence/pages/viewpage.action?pageId=49941#ClientHTTPTransport\(includingSSLsupport\)-DefaultClientTransport](https://cwiki.apache.org/confluence/pages/viewpage.action?pageId=49941#ClientHTTPTransport(includingSSLsupport)-DefaultClientTransport)).