

HTTP Header Support

The Designer comes with many adapters (see [Adapters](#)) that allow you to access a variety of backends via different interfaces. Requests to [REST](#) services, and via [REST](#) adapters use the HTTP protocol.

- With this protocol, the xUML Runtime serves a set of standard headers (via **libcurl**) as described below ([Standard HTTP Headers with xUML Service Adapters](#)).
- Also, the Runtime provides interfaces to act as a variety of services. In general, the Runtime supports HTTP 1.0 for services but some features of HTTP 1.1 are implemented as well (see [Standard HTTP Headers with Service Implementations](#) below).

Standard HTTP Headers with xUML Service Adapters

SOAP, REST and URL adapters use **libcurl** to provide HTTP headers.

With xUML service adapter calls, the xUML Runtime adds the following outgoing HTTP headers containing correlation information to the request:

- **X-Transaction-Id** or **xTransactionId** (in JMS context)
This header identifies the transaction the call belongs to. You can set the transaction id manually with [setTransactionID](#). If not set, the Runtime will generate one.
This header will be passed through the callstack to identify all service calls that belong to a transaction.
- **X-Request-Id**
This header identifies the unique request. The Runtime generates a unique number for each adapter call.
- **X-Sender-Host** and **X-Sender-Service**
These headers contain the sender host resp. the sender service. They are set by the Runtime automatically.

Transaction id and request id will be [logged to the transaction log](#) on the adapter call. Having this information, you can use this for error analysis or usage metrics.

For more information on specific adapters refer to [Adapters](#).

Standard HTTP Headers with Service Implementations

In general, the PAS platform supports HTTP version 1.0 for xUML services. However, the following features of HTTP 1.1 are implemented to the xUML Runtime as well:

- `Expect: 100 Continue`
- `Transfer-Encoding: chunked`
- xUML services read the following incoming HTTP headers containing correlation information:
 - **X-Transaction-Id** or **xTransactionId** (in JMS context)
This header identifies the transaction the call belongs to. You can set the transaction id manually with [setTransactionID](#).
This header will be passed through the callstack to identify all service calls that belong to a transaction.
 - **X-Request-Id**
This header should identify the unique request.
 - **X-Sender-Host** and **X-Sender-Service**
These headers should contain the sender host resp. the sender service.

These headers will be all [logged to the transaction log](#). Having this information, you can use this for error analysis or usage metrics.

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