

# Calling XMPP cloud services from Taverna2

Egon Willighagen 

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## Keywords

Taverna, Xmpp

## Abstract

SMILES (CCC) in, mass out.

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## chem-bla-ics

SMILES (CCC) in, mass out. Yes, we can now call XMPP/IO-DATA cloud services with Taverna2 :)

The screenshot displays the Taverna Workbench 2.0 interface. The main workspace shows a workflow diagram with three nodes: 'String\_Constant' at the top, 'XMPP\_Cloud\_Service' in the middle (highlighted with a blue border), and 'XMLOut' at the bottom. A dashed box labeled 'Workflow Outputs' encloses the 'XMLOut' node. The 'Workflow Explorer' on the right shows the workflow structure, including 'Inputs', 'Outputs', 'Processors', and 'Data links'. The 'Contextual View: Processor XMPP\_Cloud\_Service' is open, showing a table of configuration parameters for the XMPP Activity.

XMPP Activity	
Client JID	egonw@jabber.org/home
Client JID password	blablabla
Jabber host	ws1.bmc.uu.se
Jabber host port	5222
Service JID	cdk.ws1.bmc.uu.se
Service Function	calculateMass

The screenshot displays the Taverna Workbench 2.0 interface. The top menu bar includes File, Edit, Activities, Workflows, Advanced, and Help. Below the menu is a toolbar with various icons for file operations and workflow execution. The main workspace is divided into two panes: Design and Results. The Design pane shows a workflow diagram with three nodes: String\_Constant, XMPP\_Cloud\_Service, and XMLOut. The XMLOut node is enclosed in a dashed box labeled 'Workflow Outputs'. The Results pane shows a list of workflow runs, with 'dataflow0 10:21:23 PM' selected. Below the list is a 'Save as XML' button. The XMLOut node is selected, and its result is displayed in a text box. The result type is set to 'Text', and the result is the XML string: `<mass xmlns='urn:xws:cdk:input'>36.032207690364004</mass>`. A 'Save result' button is also present.

```
graph TD; A[String_Constant] --> B[XMPP_Cloud_Service]; B --> C[XMLOut]; subgraph Workflow_Outputs; C; end
```

Workflow Runs Remove

dataflow0 10:21:23 PM

<> Save as XML

XMLOut

t2:ref//testNamespace?test1

Result Type Text

Save result

```
<mass xmlns='urn:xws:cdk:input'>36.032207690364004</mass>
```

Details will follow, but here's the [source code](#).