

# ADDING TRANSFORMATION ACTION IN XML FIREWALL (LOOPBACK)

## 1. Logging into WebGUI

**\*Your session expired. Please login.**

**WebSphere DataPower Login**  
XI52 console at miracle

User Name:

Password:

Domain:  
default ▼

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## 2. Click on XML Firewall

WebSphere DataPower XI52    nbathula @ miracle    Domain: nbathula    Save Config    Logout    IBM

Control Panel

Pattern Console

Search

Firmware: XI52.6.0.1.0  
Build: 237837  
IBM WebSphere DataPower  
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[View License Agreement](#)

Debug Probe is enabled, which impacts performance. [Change Troubleshooting settings.](#)

Control Panel

Services

Web Service Proxy    Multi-Protocol Gateway    XML Firewall    Web Application Firewall    XSL Accelerator

Monitoring and Troubleshooting

View Logs    Troubleshooting    Web Services Monitor    View Status

Files and Administration

File Management    System Control    Import Configuration    Export Configuration    Keys & Certs Management

Having trouble? Additional resources are available.

• Access the [Documentation Portal](#) for IBM WebSphere DataPower appliances.

### 3. Click on existing XML Firewall

Debug Probe is enabled, which impacts performance. [Change Troubleshooting settings.](#)



#### Configure XML Firewall

XML Firewall Name	Op-State	Logs	Req-Type	Local Address	Port	Resp-Type	Remote Address	Port
dynamic	up		XML	0.0.0.0	2169	XML		
first	up		Pass through	0.0.0.0	7271	Pass through		
loopback	up		Pass through	0.0.0.0	2172	Pass through		
Sample	up		Pass through	0.0.0.0	7272	Pass through		
Sample_firewall	down		XML	0.0.0.0	2141	XML	172.17.4.71	4547

Add Wizard

Add Advanced

### 4. Click on editing policy button

The running configuration of the domain contains unsaved changes. [Review changes.](#)  
Debug Probe is enabled, which impacts performance. [Change Troubleshooting settings.](#)



#### Configure XML Firewall

**General** | **Advanced** | **Stylesheet Params** | **Headers** | **Monitors** | **XML Threat Protection**

Apply | Cancel | Delete

Clone | Export | View Log | View Status | Show Probe | Validate Conformance | Help

XML Firewall Service status: [up]

#### General Configuration

**Firewall Name**  
simple \*

**Comments**

**Firewall Type**  
Loopback ▼ \*

**XML Manager**  
default ▼ + ... \*

**Processing Policy**  
simple ▼ + ... \*

**URL Rewrite Policy**  
(none) ▼ + ...


**Back End**  
With a loopback proxy back end type, there is no back end server; the device is responding to the client.  
  
With this type, there is no back end server which needs credentials from the device.

**Front End**  
**Local address**  
0.0.0.0 Select Alias \*

**Port Number**  
2175 \*

**Reverse (Server) Crypto Profile**  
(none) ▼ + ...

5. Drag and drop 'Transform Action' on 'Client to Server' policy.

 **Configure XML Firewall Style Policy**

**Policy:**  
Policy Name:  \*  
  [Export](#) | [View Log](#) | [View Status](#) | [Close Window](#)


**Rule:**  
Rule Name:  Rule Direction:

Create rule: Click New, drag action icons onto line. Edit rule: Click on rule, double-click on action.

Filter Sign Verify Validate Encrypt Decrypt Transform Route AAA Results Advanced

CLIENT → [ ] → [ ] → [ ] → ORIGIN SERVER

6. Now double click on 'Tranform Action'.

 **Configure XML Firewall Style Policy**

**Policy:**  
Policy Name:  \*  
  [Export](#) | [View Log](#) | [View Status](#) | [Close Window](#)

**Rule:**  
Rule Name:  Rule Direction:

Create rule: Click New, drag action icons onto line. Edit rule: Click on rule, double-click on action.

Filter Sign Verify Validate Encrypt Decrypt Transform Route AAA Results Advanced

CLIENT → [ ] → [ ] → [ ] → ORIGIN SERVER

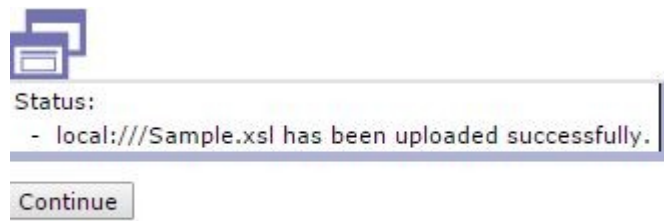
7. Now click on upload button in Transform file

The image shows the 'Configure Transform with XSLT style sheet Action' configuration page in the WebSphere DataPower XI52 console. The page has a blue header with the 'WebSphere DataPower XI52' logo and an IBM logo. Below the header is a title bar with a square icon and the text 'Configure Transform with XSLT style sheet Action' and a 'Help' link. The main content area is divided into sections: 'Basic' and 'Advanced' tabs, with 'Basic' selected. The 'Input' section has a text field with '(auto)' and a dropdown menu with '(auto)' and an asterisk. The 'Options' section is titled 'Transform with XSLT style sheet' and contains several settings: 'Use Document Processing Instructions' with four radio buttons (the last one, 'Transform with XSLT style sheet', is selected); 'Transform File' with a text field containing 'local:/', a dropdown menu with '(none)', and buttons for 'Upload...', 'Fetch...', 'Edit...', 'View...', and 'Var Builder'; 'URL Rewrite Policy' with a dropdown menu set to '(none)' and buttons for '+', '-', and '...'; and 'Asynchronous' with two radio buttons, 'on' and 'off' (the 'off' button is selected). The 'Output' section has a text field with '(auto)' and a dropdown menu with '(auto)'. At the bottom are buttons for 'Delete', 'Done', and 'Cancel'.


8. Now click on choose file and select '.xsl' file from the directory

The image shows a file upload dialog box titled 'Upload File to Directory local:/' with a folder icon. It contains a 'File to upload:' section with a 'Choose file' button and a text field showing 'No file chosen'. Below this is a 'Save as:' section with a text field and an asterisk. At the bottom is a checkbox labeled 'Overwrite Existing File' and two buttons, 'Upload' and 'Cancel'.

9. Now click on continue



10. Select output as 'PIPE' and click on 'Done'.


 **Configure Transform with XSLT style sheet** [Action](#) [Help](#)

**Basic** Advanced

**Input**



Input (auto) (auto) \*


**Options**

 **Transform with XSLT style sheet**

**Use Document Processing Instructions**


- ☐ Transform binary
- ☐ Transform with a processing control file, if specified
- ☐ Transform with embedded processing instructions, if available
- ☒ Transform with XSLT style sheet

**Transform File** local:///   
Sample.xml  Upload... Fetch... Edit... View... Var Builder \*

**URL Rewrite Policy** (none)  + ...

**Asynchronous** ☐ on ☒ off

**Output**

Output PIPE   
Delete Done Cancel

11

11. Now click on 'Apply Policy'



### Configure XML Firewall Style Policy

**Policy:**












Policy Name:  \*


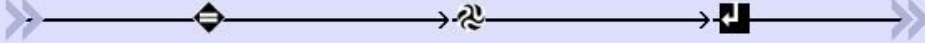

[Export](#) | [View Log](#) | [View Status](#) | [Close Window](#) |






**Rule:**

Rule Name:  Rule Direction:

Create rule: Click New, drag action icons onto line. Edit rule: Click on rule, double-click on action.

Configured Rules				
Order	Rule Name	Direction	Actions	
 	simple_request	Client to Server	  	delete rule

12.

12. Now click on 'Apply' and save config. Click on show probe.



## Configure XML Firewall

**General** **Advanced** **Stylesheet Params** **Headers** **Monitors** **XML Threat Protection**

Apply Cancel Delete

[Clone](#) | [Export](#) | [View Log](#) | [View Status](#) | [Show Probe](#) | [Validate Conformance](#) | [Help](#)

XML Firewall Service status: [up]

### General Configuration

**Firewall Name**  
simple \*

**Comments**  
an example XML Firewall Service

**Firewall Type**  
Loopback ▼ \*

**XML Manager**  
default ▼ + ... \*

**Processing Policy**  
simple ▼ + ... \*

**URL Rewrite Policy**  
(none) ▼ + ...

**Back End**  
With a loopback proxy back end type, there is no back end server; the device is responding to the client.  
  
With this type, there is no back end server which needs credentials from the device.  
  
With this type, the response type is always "unprocessed".

**Front End**  
**Local address**  
0.0.0.0 Select Alias \*

**Port Number**  
2175 \*

**Reverse (Server) Crypto Profile**  
(none) ▼ + ...

**Request Type**  
Pass through ▼

13. Now click 'Enable Probe' and Click on 'Send Message' to Test

**WebSphere. DataPower XI52** 

Refresh Flush **Enable Probe** Export Capture View Log Send Message Close

view	trans#	type	inbound-url	outbound-url	rule	client-ip
(no transaction recorded)						

# 14. Test Service

## Request

URL:

http://172.17.12.93:2175

MQ Helper WebSphere JMS Helper IMSConnect Helper

\*

Request Headers:

Header Name	Value	
		Add

Request Body:

```
<?xml version="1.0" encoding="UTF-8"?>
<Test>
<payload>Test Message</payload>
</Test>
```

Make Call

## Response

Response Code:

200

Response Headers:

Response Body:

```
<Test
  xmlns:dpm="http://www.datapower.com/schemas/management"
  xmlns:dpfunc="http://www.datapower.com/extensions/functions"
>
  <payload>Test Message</payload>
</Test>
```