

XML FIREWALL SERVICE

(LOOPBACK)

1. Logging to WebGUI:



*Your session expired. Please login.

WebSphere DataPower Login
XI52 console at miracle

User Name:

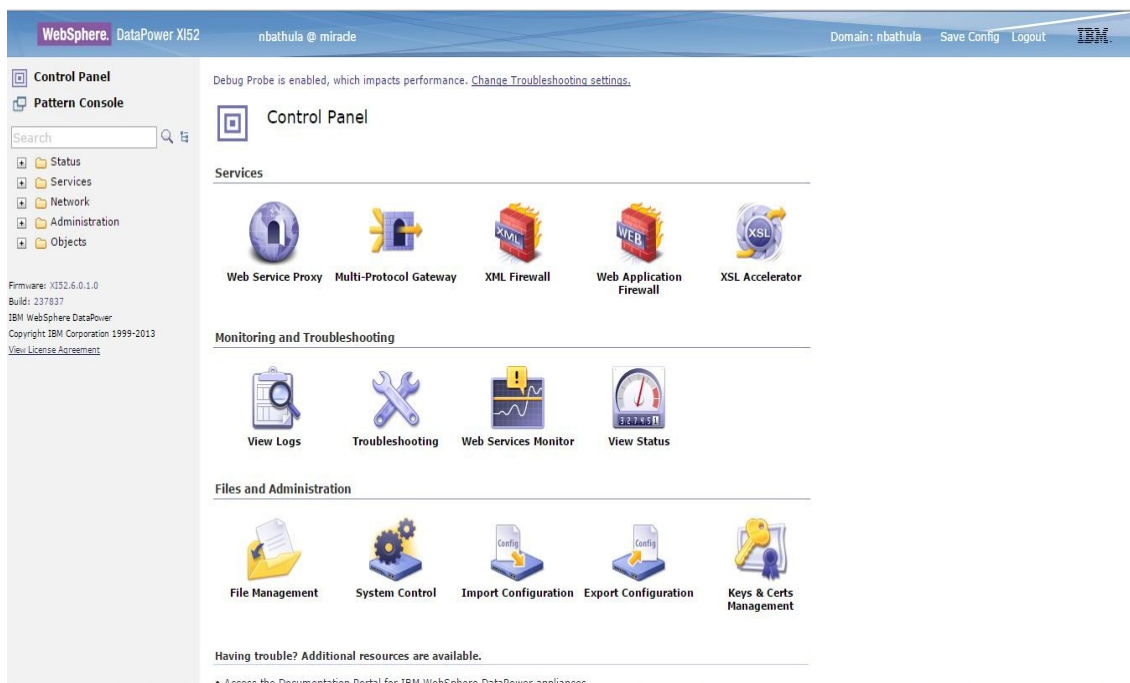
Password:

Domain:
default ▼

Login Cancel

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2. Click on XML Firewall



3. Now click on 'Add Wizard' to create new XML Firewall Service.

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. Now select PassThru(testing only) and click on 'next' button.

WebSphere DataPower XI52

nbathula @ miracle

Domain: nbathula Save Config Logout

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Control Panel

Pattern Console

Search

Status

Services

Network

Administration

Objects

Firmware: XI52.6.0.1.0

Build: 237837

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

Firewall Wizard

Welcome to the Firewall Wizard. Please select one of the choices below and click next...

☒ Pass Thru (testing only)

☐ Schema-Validate / Filter

☐ XML / Crypto

☐ Access Control (AAA)

☐ Import from Unicenter

☐ Import from WebSphere

☐ Service Virtualization

☐ Advanced

☐ Non-XML (not schema validated)

Cancel

Next

5. Give one name and click on 'Next' button.

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



Create a Pass Thru XML Firewall Service

[Help](#)

XML Firewall Service Name

To begin using this wizard, enter the name of the new XML Firewall in the firewall name dialog box.

Firewall Name

Cancel

Next

6. Select 'Loopback' and click on 'Next' button.

Debug mode is enabled, which impacts performance. [Change troubleshooting settings.](#)



Create a Pass Thru XML Firewall Service

[Help](#)

Select Service Type

Next, specify the firewall type by selecting static backend or loopback.

As a service with a static backend, the firewall forwards requests to a target server with a static IP address.

As a loopback service, the firewall responds to the incoming client requests. The requests are not sent to a remote server.

Firewall Type

Loopback ▼

Back

Cancel

Next

7. Give an unused port number in 'Device Port' field and click on 'Next' button.



Create a Pass Thru XML Firewall Service

[Help](#)

Front End (Client) Information

Now provide information about the "client-facing" device interfaces.

The device address dialog box identifies the local interface, or interfaces, monitored by this XML Firewall for incoming client-requests. Retain the default value (0.0.0.0) to enable the firewall on all active interfaces. To restrict the firewall to a single interface, enter a specific local IP address.

The device port dialog box identifies the specific port monitored by this firewall. Enter the port number.

If client transactions require a secure (SSL-supported) connection, click the on radio button and then use the SSL server crypto profile values-list to select the SSL profile that specifies SSL and cryptographic resources available to the connection. Click Next to go to the next screen.

If client transactions do not require a secure connection, click Next to go to the next screen.

Device Address

0.0.0.0

Select Alias *

Device Port

2175 *

Do you want to use SSL?

☐ on ☒ off *

Back

Cancel

Next

8. Now click on 'commit' button.

 **Create a Pass Thru XML Firewall Service**

Confirm Your Changes and Commit

Firewall Name:	simple
Firewall Type:	Loopback
Server Address:	
Server Port:	
SSL Server Crypto Profile:	
Device Address:	0.0.0.0
Device Port:	2175
SSL Client Crypto Profile:	
Max. Message Size:	0
Override XML Manager parser limits:	off
Enable MMXDoS Protection:	off
Enable Message Tampering Protection:	off
Enable SQL Injection Protection:	off
Enable X-Virus Scanning:	off
Enable Dictionary Attack Protection:	off


9. Now click on 'view policy' button.

 **Create a Pass Thru XML Firewall Service**

You have successfully created XML Firewall simple.

[Help](#)

10. Now click on 'Apply Policy' button.

 **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 → [Action] → ORIGIN SERVER

Configured Rules				
Order	Rule Name	Direction	Actions	
1	simple_request	Client to Server	[Action]	delete rule

[Scroll to top](#)

11. Now click on 'Apply' and save config. Now click on 'showProbe' to check result.

 **Configure XML Firewall**

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

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

XML Firewall Service status: [up]

General Configuration

Firewall Name
 *

Comments

Firewall Type
 *

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".

XML Manager
 + ... *

Processing Policy
 + ... *

URL Rewrite Policy
 + ...

Front End
Local address
 *

Port Number
 *

Reverse (Server) Crypto Profile
 + ...

Request Type

12. Click on 'Enable Probe' and then click on 'send Message'

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Refresh

Flush

Enable Probe

Export Capture

View Log

Send Message

Close

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

13. Give url with the port number we have given.

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Send a Test Message

Request

URL:

MQ Helper

WebSphere JMS Helper

IMSConnect Helper

*

Request Headers:

Header Name	Value	
<div></div>	<div></div>	<div>Add</div>

Request Body:

Make Call

Response

Response Code:

Response Headers:

Response Body:

14. Give the input and click on 'Make call' button. Then you'll Response as 200.

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>
```