FortiADC Layer 7 Virtual Server with Content Rewriting Deployment Guide

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Tuesday, January 8, 2019

L7VS content rewriting Deployment Guide

First Edition

TABLE OF CONTENTS

Change Log

Date	Change Description
1/8/2019	Initial release

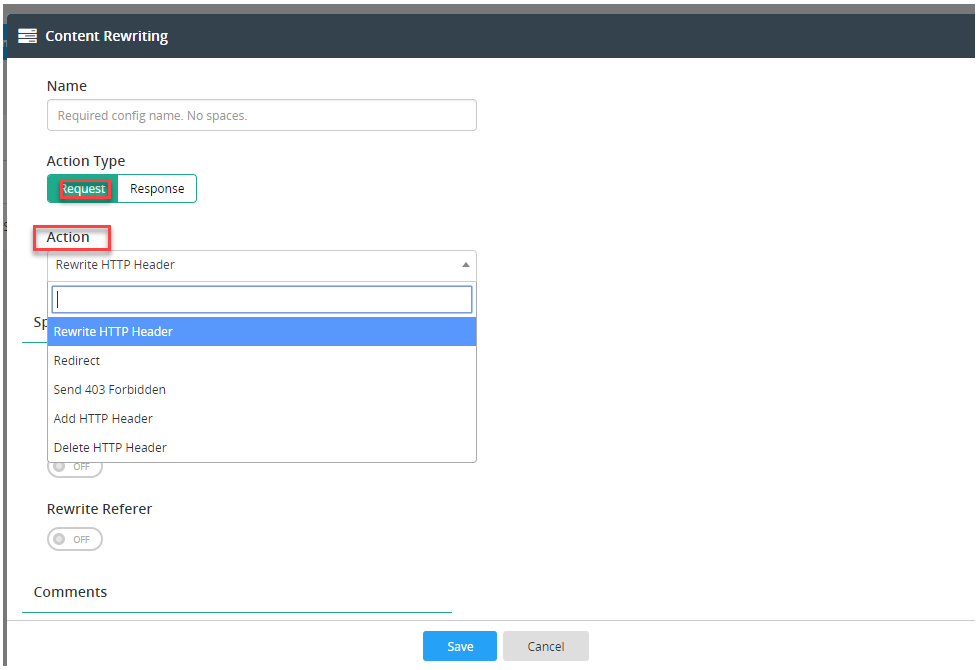
Overview

Layer 7 HTTP(S) Virtual server with content rewriting will allow you to rewrite HTTP request/response. This may be useful for:

- Redirecting HTTP to HTTPS
- External to internal URL translation
- Other security reasons

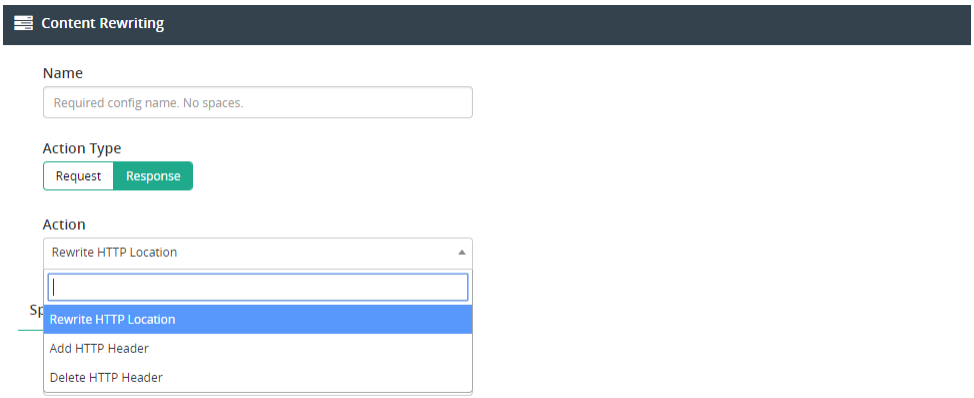
Rewrite action for HTTP requests include the following:

- Redirect
- Send 403 Forbidden
- Rewrite HTTP Header (including rewrite Host/URL/Referer)
- Add HTTP Header
- Delete HTTP Header



Rewrite action for HTTP response includes the following:

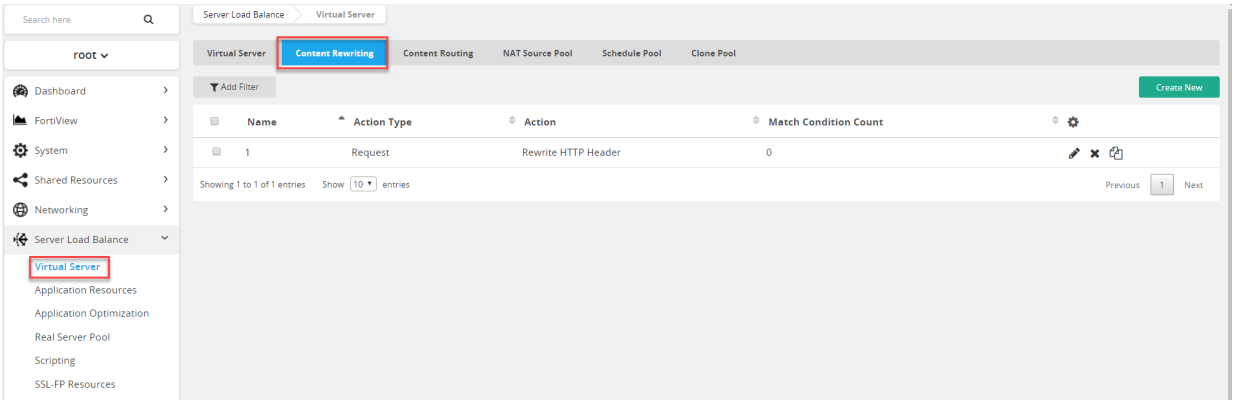
- Rewrite HTTP location
- Add HTTP header
- Delete HTTP header



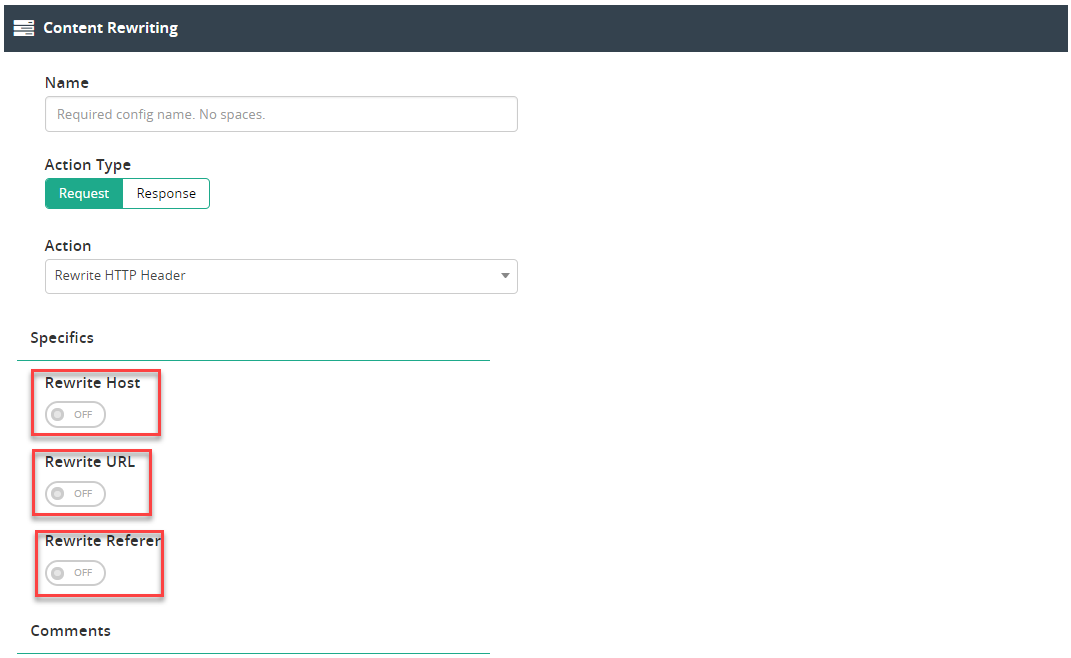
Example

To configure a content rewrite rule:

1. Go to Server Load Balance > Virtual Server
2. Click the Content Rewriting tab

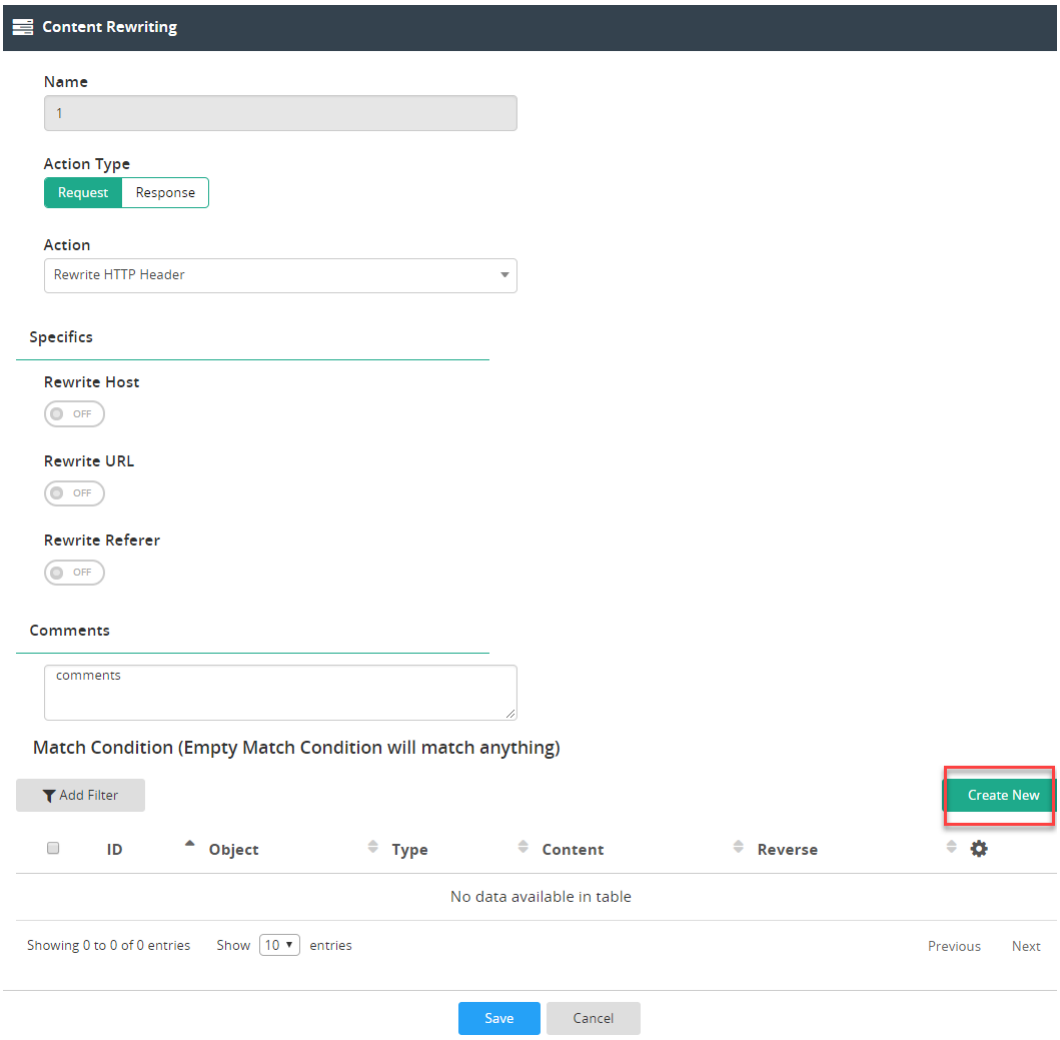


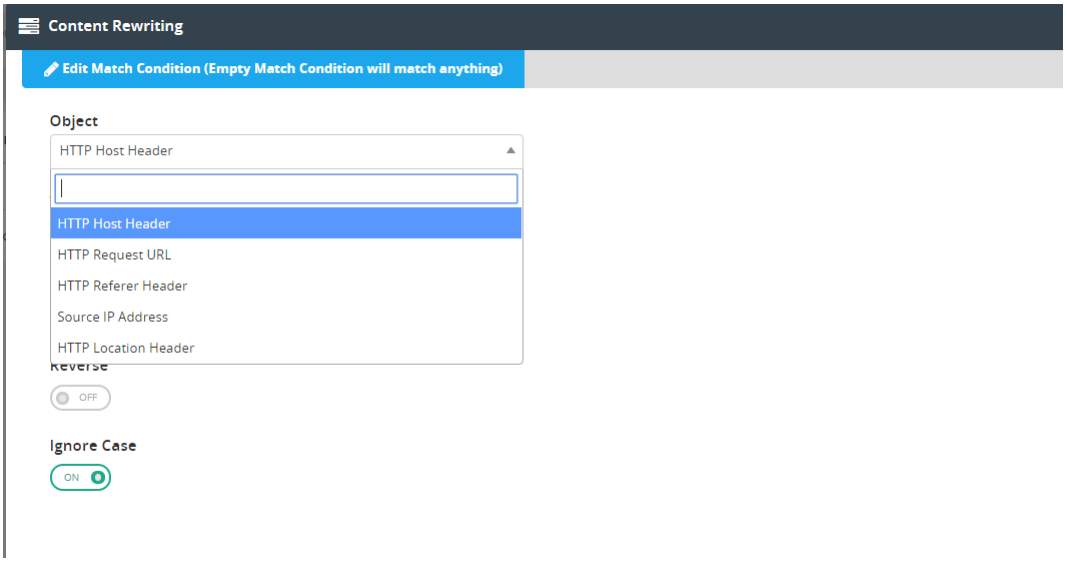
3. Click Create New to display the configuration editor.
4. For each different action it will display the specific object to be rewritten.



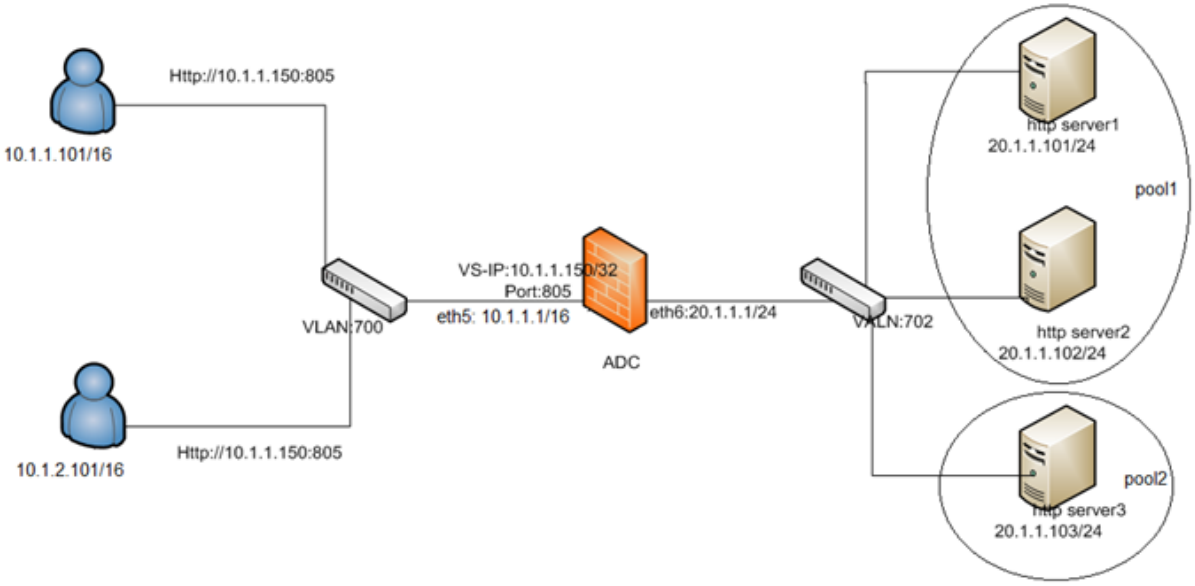
5. After you save the content rewrite, you can edit it to set up the match condition. The match conditions include the following:

- HTTP Host header
- HTTP Request URL
- HTTP Referer Header
- Source IP Address
- HTTP Location Header


Content Rewriting
Name
1
Action Type
Request
Response
Action
Rewrite HTTP Header
Specifics
Rewrite Host
OFF
Rewrite URL
OFF
Rewrite Referer
OFF
Comments
comments
Match Condition (Empty Match Condition will match anything)
Add Filter
Create New
ID
Object
Type
Content
Reverse
No data available in table
Showing 0 to 0 of 0 entries
Show 10 entries
Previous
Next
Save
Cancel

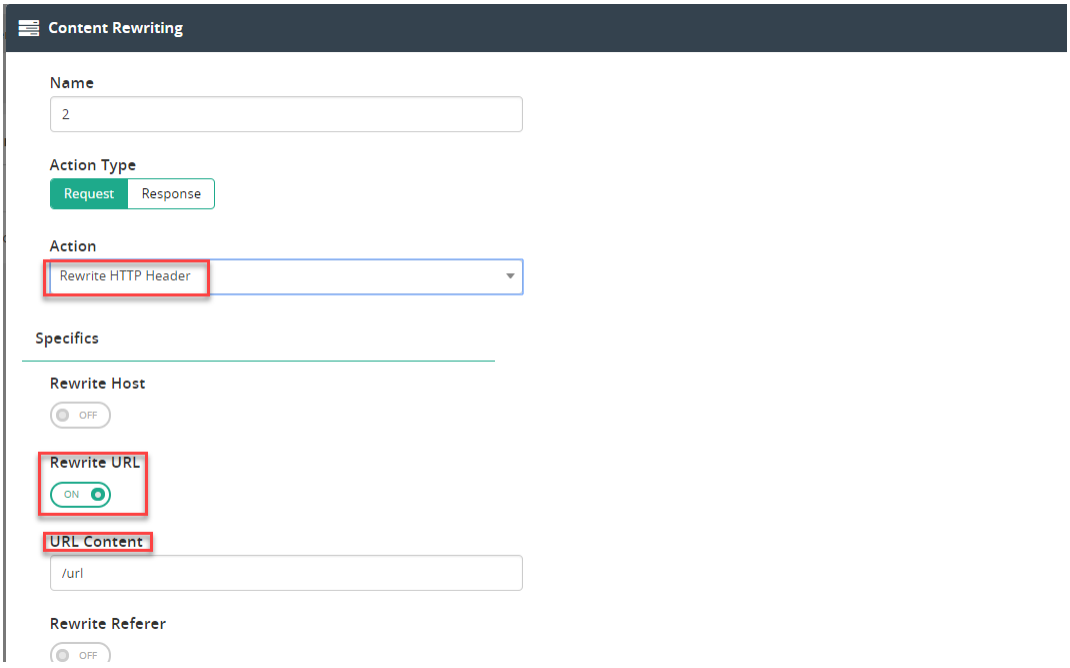

Content Rewriting
Edit Match Condition (Empty Match Condition will match anything)
Object
HTTP Host Header
HTTP Host Header
HTTP Request URL
HTTP Referer Header
Source IP Address
HTTP Location Header
Reverse
OFF
Ignore Case
ON

Rewrite URL if URL and source IP match the configuration

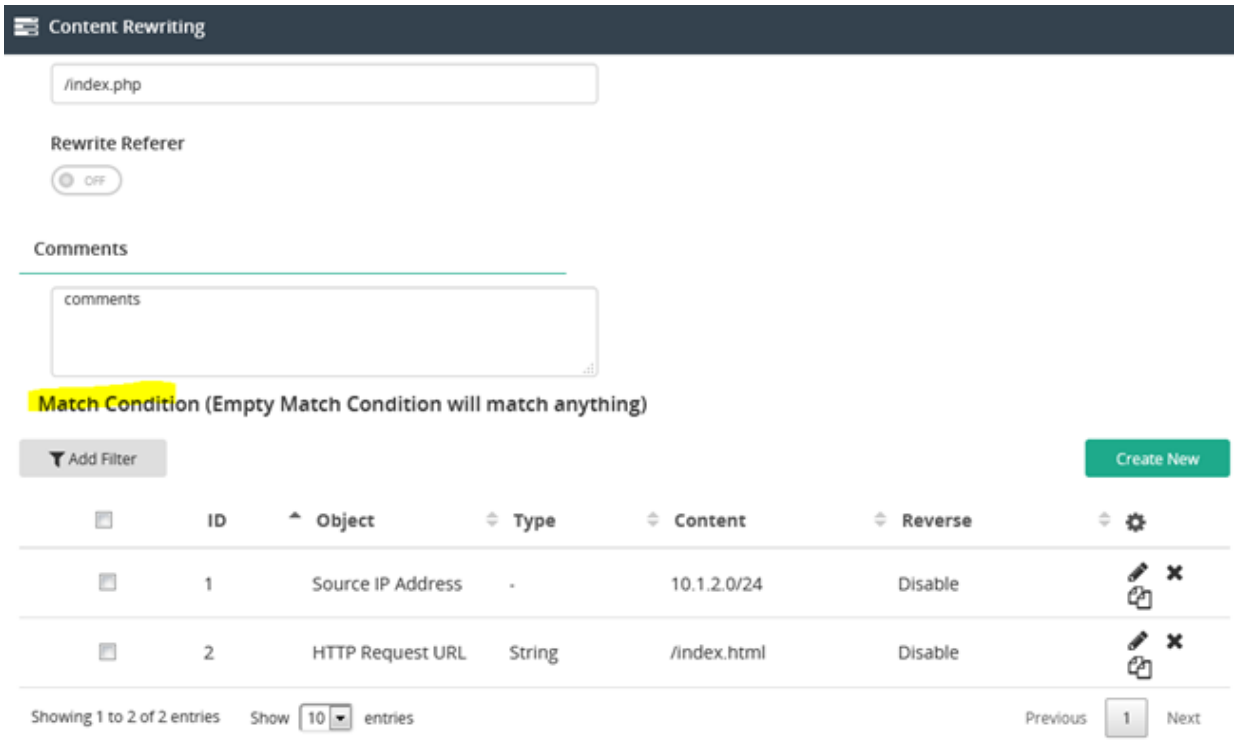


Note: HTTP request from 10.1.2.0/24 to access index.html will rewrite to index.php

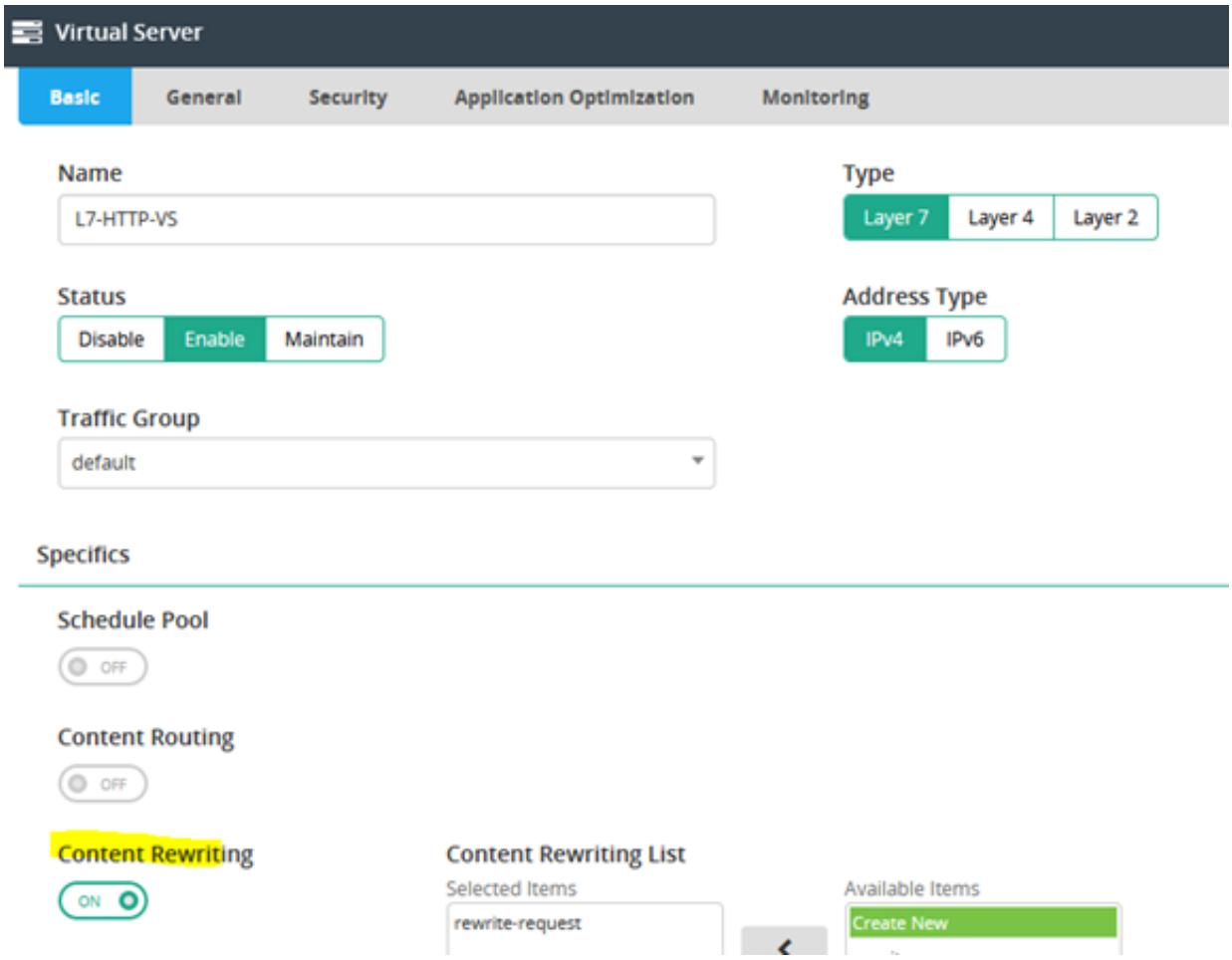
1. Select proper action when configuring content rewriting, and set the rewrite URL



2. Set match condition

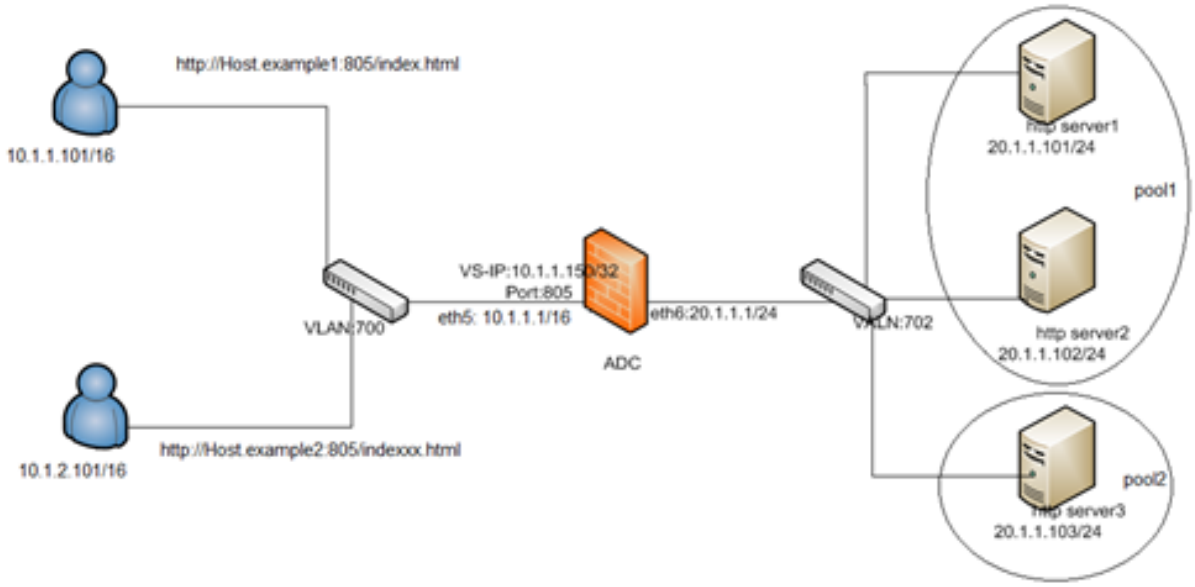


3. Bind content rewrite with Layer 7-HTTP Virtual Server


Virtual Server
Basic
General
Security
Application Optimization
Monitoring
Name
L7-HTTP-VS
Type
Layer 7
Layer 4
Layer 2
Status
Disable
Enable
Maintain
Address Type
IPv4
IPv6
Traffic Group
default
Specifics
Schedule Pool
OFF
Content Routing
OFF
Content Rewriting
ON
Content Rewriting List
Selected Items
rewrite-request
Available Items
Create New

Add new header to HTTP request if the HTTP request URL matches with the configuration

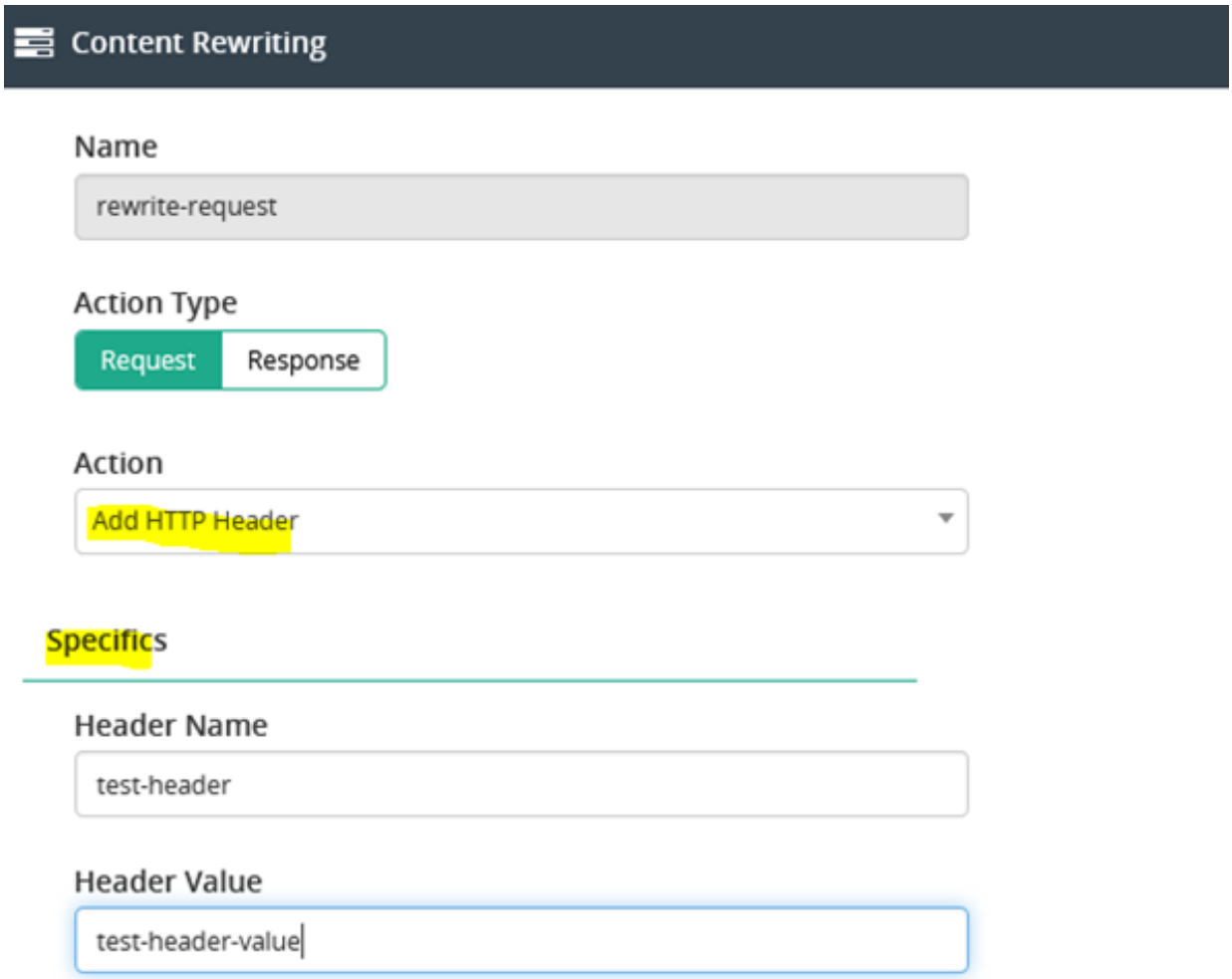
Topology description



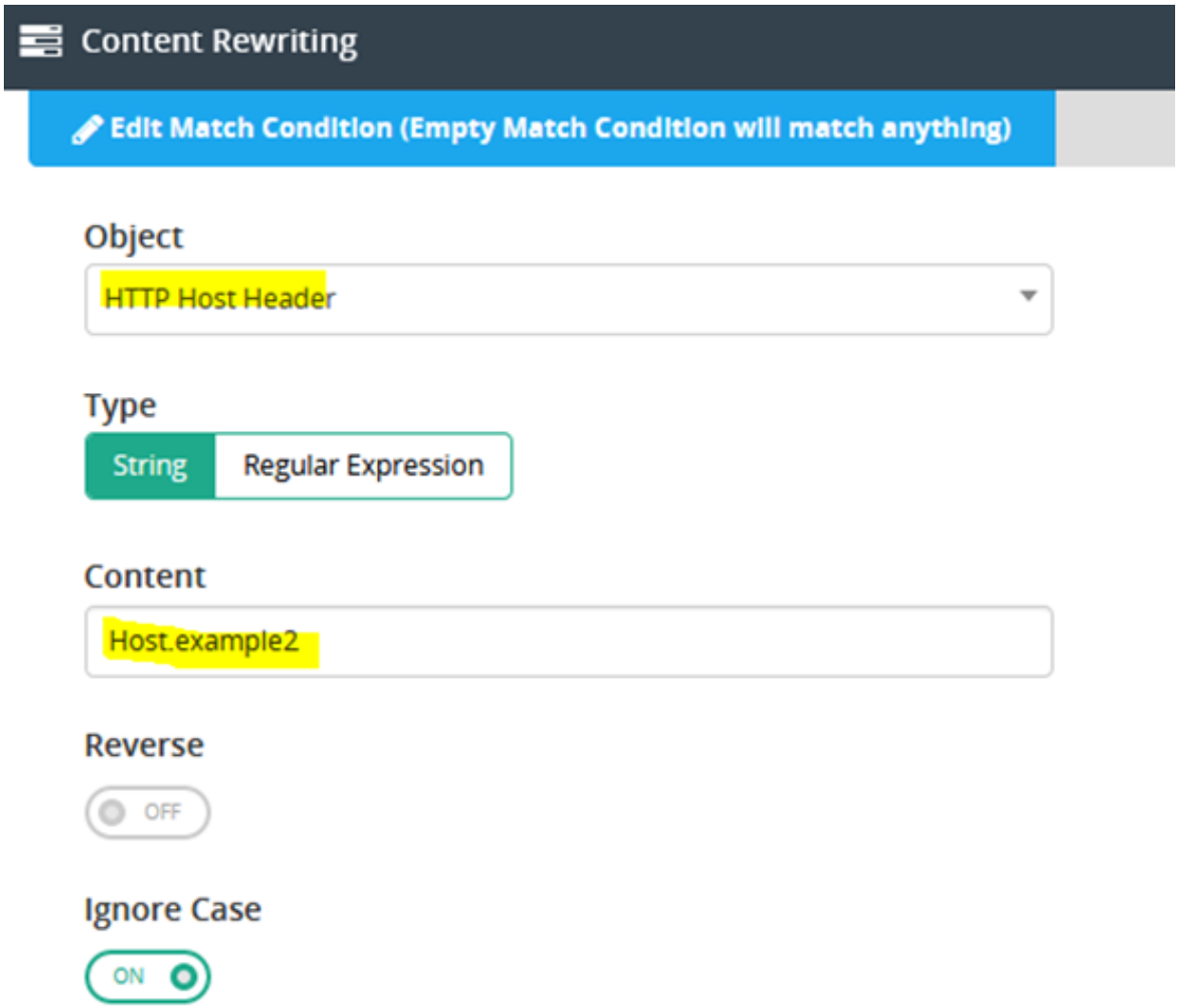
Note: HTTP request with Host Hosts.example2 will add test-header

1. Select proper action when configuring content rewrite, and set specifics

Add new header to HTTP request if the HTTP request URL matches with the configuration



2. Set match condition



3. Bind content rewriting with the Layer 7-HTTP Virtual server

Add new header to HTTP request if the HTTP request URL matches with the configuration