



# Overriding Host Header in Health Monitor using "exact\_http\_request" or "Use Exact Request"

Avi Technical Reference (v18.2)

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## Background

By default, Avi Vantage appends additional HTTP headers (Host, User-Agent and Accept) into HTTP health monitor requests.

The exact values of these headers are as follows:

Header	Values
User-Agent	avi/1.0
Host	<hostname>
Accept	/;

For instance, if an Avi Vantage admin (user) adds a Host header in HTTP client request data field of a health monitor, Avi Vantage will send this additional Host header together with the existing Host header (Host header inserted by Avi Vantage).

Starting with Avi Vantage release 17.1.6, it is possible to prevent Avi Vantage from adding additional Host header. Use Exact Request option on Avi UI or `use_exact_request` flag in Avi CLI for a health monitor instructs Avi Vantage to pass the exact HTTP request string as specified by Avi Vantage admin (user), without any automatic insertion of the additional HTTP headers. This indicates that user is now responsible for adding the appropriate headers to the HTTP client request field.

## Instructions

Configuration from Avi CLI

Login to Avi CLI, and use `configure healthmonitor System-HTTP` command to change the value of the flag `exact-http-request`.

```
[admin:10-1-1-1]: > configure healthmonitor System-HTTP
[admin:10-1-1-1]: healthmonitor> http_monitor
[admin:10-1-1-1]: healthmonitor:http_monitor> http_request
[admin:10-1-1-1]: healthmonitor:http_monitor> http_request "HEAD / HTTP/1.0\r\n\r\n"
Overwriting the previously entered value for http_request
[admin:10-1-1-1]: healthmonitor:http_monitor> exact_http_request
Overwriting the previously entered value for exact_http_request
[admin:10-1-1-1]: healthmonitor:http_monitor>
[admin:10-1-1-1]: healthmonitor:http_monitor> save
[admin:10-1-1-1]: healthmonitor> save
```

Configuration from Avi UI

Navigate to Templates>Profiles>Health Monitors, click on the edit icon at the top right to edit health monitors.

<input type="checkbox"/>	Name ^	Type	Federated	Send Interval	Receive Timeout	Successful Checks	Failed Checks	
<input type="checkbox"/>	System-DNS	DNS	No	6 sec	4 sec	2	2	
<input type="checkbox"/>	System-GSLB-H...	HTTP	Yes	10 sec	4 sec	3	3	
<input type="checkbox"/>	System-GSLB-H...	HTTPS	Yes	10 sec	4 sec	3	3	
<input type="checkbox"/>	System-GSLB-Pi...	Ping	Yes	10 sec	4 sec	2	2	
<input type="checkbox"/>	System-GSLB-TCP	TCP	Yes	10 sec	4 sec	2	2	
<input type="checkbox"/>	System-GSLB-U...	UDP	Yes	4 sec	2 sec	2	2	
<input type="checkbox"/>	System-HTTP	HTTP	No	10 sec	4 sec	3	3	
<input type="checkbox"/>	System-HTTPS	HTTPS	No	10 sec	4 sec	3	3	

Choose the desired HTTP health monitor, select the check box for Use Exact Request and click Save.

**Edit Health Monitor: System-HTTP**

• HTTP Settings •

Client Request Data : HEAD / HTTP/1.0\r\n\r\n

Health Monitor Port : Use Server Port

Use Exact Request

Response Code : 2XX 3XX

Server Response Data : 200 OK

• Server Maintenance Mode •

Maintenance Response Code : 101, 102, etc.

Maintenance Server Response Data : Maintenance Server Response Data

Cancel Save