




Tim_Harber  CIRRUS

Feb 08, 2017

Running BASH commands via REST API

I am trying to run bash commands via the REST API but am getting an error. When trying to use the following syntax I am getting a 403 running with Admin authentication...

GET: <https://F5LTM/mgmt/tm/util/bash>

Output:

```
1 | {"code":403,"message":"Operation is not allowed on component /util/bash."}
```

Does anyone know if this is possible, or have any syntax examples of how to run bash commands? I assume you need to submit a post request, but I am not sure how to structure the syntax in the body of the request and cannot find any examples.

[API](#) [DEVOPS](#) [ICONTROL](#) [LTM](#) [REST](#)

 Like •  Reply

3 Replies

Most Liked



Kai_Wilke  MVP

Feb 08, 2017

Hi Tim,

Take a look to the example below to see the required format of the request...

Cheers, Kai

Like • Reply



Jan 24, 2023

I also needed this as I was getting the same error, when trying to start bash scripts with REST-API. The other idea I was going to try is to use tmsh script (https://clouddocs.f5.com/api/tmsh/script__run.html) as the example <https://community.f5.com/t5/codeshare/creating-a-tmsh-script-with-icontrol-rest-and-using-it-to/ta-p/290984> and use the "tmsh::run util bash -c " in the script then trigger with API endpoint "mgmt" and "run" as the path. It is not that complex for a simple bash command.

To provide the best experience, we leverage third-party technologies to personalize what you see, and to better understand what content is important to you. View our [privacy policy](#) for details.

Like • Reply



Feb 08, 2017

Hi Tim,

try these Postman settings...

Request Settings:

```
1 Method: POST
2 URL: https://YOURBOX/mgmt/tm/util/bash
3 Authorization: BasicAuth = YourCredentials
4 Headers: Content-Type = application/json
5 Body: {"command":"run","utilCmdArgs":"-c 'echo \"Hello World\"'"}

```

Note: You can also set the Content-Type on Postmans "Body" pane. Click on the down arrow to see the predifined JSON setting...

Expected Result:

```
1  {
2    "kind": "tm:util:bash:runstate",
3    "command": "run",
4    "utilCmdArgs": "-c 'echo \"Hello World\"'",
5    "commandResult": "Hello World\n"
6  }
```

Cheers, Kai



Like •



Reply

We value your privacy

To provide the best experience, we leverage third-party technologies to personalize what you see, and to better understand what content is important to you. View our [privacy policy](#) for details.

Recent Discussions



Can BIG-IP DNS recursion only my domain?

Oct 31, 2024 • kridsana



CPU data, control and analytics plane utilization

Oct 31, 2024 • Livius



Can import iSeries 4000 config (OS ver 1.3.x) to rSeries 5000 (f5os-a 1.5.2)?

Oct 31, 2024 • Herman2024

Solved



Datagroup with address and value

Oct 30, 2024 • awan_m



What is the best log Log Analysis Tool for F5 AFM/APM?

Oct 30, 2024 • Netztester

Solved

▼ Show More

Related Content



Bash Command Wrapper

Mar 10, 2015 • Alex_Applebaum



WAF evasion techniques for Command Injection

Jul 25, 2024 • AaronJB



Power of tmsh commands using Ansible

Feb 09, 2021 • Payal_S



Capture SSL Profile Protocol Stats - Bash

May 08, 2020 • jaikumar_f5



Run Advanced Containers like OPSWAT Content Scrubbing Directly On F5 Distributed Clou...

Oct 10, 2023 • Steve_Gorman

Under Attack? F5 Will Help You
Contacting F5 Support?

We value your privacy

DevCentral Quicklinks

- * Getting Started on DevCentral
- * Community Guidelines
- * Community Terms of Use
- * Community Ranking Explained
- * Community Resources
- * Contact the DevCentral Team
- * Update MFA on account.f5.com

To provide the best experience, we leverage third-party technologies to personalize what you see, and to better understand what content is important to you. View our [privacy policy](#) for details.

Discover DevCentral Connects

- * Podcasts
- * Social Channels
- * Video Streaming

ABOUT DEVCENTRAL

DevCentral News
Technical Forum
Technical Articles
Technical CrowdSRC

RESOURCES

Product Documentation
White Papers
Glossary
Customer Stories

SUPPORT

Manage Subscriptions
Professional Services
Professional Services
Create a Service Request

Community Guidelines
DevCentral EULA
Get a Developer Lab License
Become a DevCentral MVP

Webinars
Free Online Courses
F5 Certification
LearnF5 Training

Software Downloads
Support Portal

PARTNERS

Find a Reseller Partner
Technology Alliances
Become an F5 Partner
Login to Partner Central



©2024 F5, Inc. All rights reserved.

We value your privacy

To provide the best experience, we leverage third-party technologies to personalize what you see, and to better understand what content is important to you. View our [privacy policy](#) for details.