



**Tim\_Harber**

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 /u
```

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

Reply

3 Replies



**Kai\_Wilke**

Feb 08, 2017

Hi Tim,

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

```
1 | curl -vsk -u 'admin:admin' -H "Content-Type: application/jsc
```

Cheers, Kai

Reply



**Nikoolayy1** to Kai\_Wilke

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](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/tm/cli/script" but that seemed too complex for a simple bash command.

Reply



**Kai\_Wilke**

Feb 08, 2017

Hi Tim,

try these Postman settings...

#### Recent Discussions



CRYPTOCURRENCY SCAM...  
Nov 02, 2024 • natashacollins55



Implementing Multi-Step...  
Nov 02, 2024 • Hamza\_derbali



IMAP-S External Health...  
Nov 02, 2024 • silver78



Can BIG-IP DNS recursion...  
Nov 02, 2024 • kridsana



Resolving DNS, and...  
Nov 01, 2024 • rahvee

Show More

#### Related Content



Bash Command Wrapper  
Mar 10, 2015 • Alex\_\_Applebaum



WAF evasion techniques for...  
Jul 25, 2024 • AaronJB



Power of tmsh commands...  
Feb 09, 2021 • PayaLS



Capture SSL Profile Protocol...  
May 08, 2020 • jaikumar\_f5



Run Advanced Containers lik...  
Oct 10, 2023 • Steve\_Gorman

**Under Attack?** F5 Will Help You.  
Contacting F5 Support?

#### DevCentral Quicklinks

- \* [Getting Started on DevCentral](#)
- \* [Community Guidelines](#)
- \* [Community Terms of Use / EULA](#)
- \* [Community Ranking Explained](#)
- \* [Community Resources](#)
- \* [Contact the DevCentral Team](#)
- \* [Update MFA on account.f5.com](#)

#### Discover DevCentral Connects

- \* [Podcasts](#)
- \* [Social Channels](#)
- \* [Video Streaming](#)

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

 Reply

ABOUT DEVCENTRAL

- DevCentral News
- Technical Forum
- Technical Articles
- Technical CrowdSRC
- Community Guidelines
- DevCentral EULA
- Get a Developer Lab License
- Become a DevCentral MVP

RESOURCES

- Product Documentation
- White Papers
- Glossary
- Customer Stories
- Webinars
- Free Online Courses
- F5 Certification
- LearnF5 Training

SUPPORT

- Manage Subscriptions
- Professional Services
- Professional Services
- Create a Service Request
- 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.