Value not set using \$GITHUB_OUTPUT

Asked 3 months ago Modified 27 days ago Viewed 3k times Part of CI/CD Collective



I have been previously using set-output for setting values, but we now get thee "deprecated feature" messages and I'm using \$GITHUB OUTPUT as prescribed.

12

I replace all instances of



```
run: echo ::set-output name=Key::Value
```



with

```
run: "Key=Value" >> $GITHUB_OUTPUT
```

but Key does not appear to be set.

My runner is on Windows, version 2.299.1 and the workflow is using CMD. All calls to setoutput work, and all using \$GITHUB_OUTPUT do not.

Simplified action code

```
defaults:
run:
shell: cmd
jobs:
  EnvSetup:
    name: Publish Base Environment Vars
    runs-on: [self-hosted, Windows, myLabel]
    outputs:
      var_Project: ${{ steps.set-Project.outputs.Project }}
      var_Val1: ${{ steps.set-Val1.outputs.Val1 }}
      var_Val2: ${{ steps.set-Val2.outputs.Val2 }}
    steps:
      - name: Project
        id: set-Project
        run: echo ::set-output name=Project::Larry
      - name: Val1
        id: set-Val1
        run: echo "Val1=Curly" >> $GITHUB_OUTPUT
      - name: Val2
        id: set-Val2
        run: echo "Val2=Moe" >> $GITHUB_OUTPUT
. . .
  Testing:
    name: ShowStuff
    runs-on: [self-hosted Windows mylahell
```

Join Stack Overflow to find the best answer to your technical question, help others answer theirs.





```
steps:
    name: Print environment variables
    run: |
        echo "Project: ${{ needs.EnvSetup.outputs.var_Project }}" ^
        echo "MyProject: ${{ env.MyProject }}" ^
        echo "Val1: ${{ needs.EnvSetup.outputs.var_Val1 }}" ^
        echo "Val2: ${{ needs.EnvSetup.outputs.var_Val2 }}"
```

The output:

```
echo "Project: Larry"
echo "MyProject: Larry_ABC"
echo "Val1: "
echo "Val2: "
```

From everything I've seen, the way to reference the values hasn't changed, just the set.

Has anyone else tried it using CMD? I'll go to PowerShell if I have to, but that's not a small change if I can avoid it.

```
powershell github github-actions
```

Share Improve this question

Follow

edited Feb 3 at 12:14

jessehouwing **102k** 21 245 327 asked Nov 15, 2022 at 10:17



Syntax looks correct (compare to this example using linux / bash stackoverflow.com/a/74378072/3302747). So I'm guessing it's something with your runner (windows). Try something simple, like echo out Path. I'm not 100% sure of the windows syntax for cmd — Baked Inhalf Nov 15, 2022 at 12:25

@BakedInhalf, the windows runner uses PowerShell Core as the default script shell. Linux and Mac use bash. When targeting multiple platforms, it makes sense to explicitly state the shell: cmd | pwsh | powershell | bash . – jessehouwing > Nov 15, 2022 at 16:39

1 @jessehouwing No need to specify shell every time, just add it in defaults: run: shell: <my-shell> (needs formatting) – Baked Inhalf Nov 16, 2022 at 7:43 /

1 Answer

Sorted by:

Highest score (default)





Answer recommended by CI/CD

14

Windows run the script task using PowerShell Core by default, not bash. So you need to use PowerShell syntax, or set the shell: bash property on the script action.



- name: Val2

Join Stack Overflow to find the best answer to your technical question, help others answer theirs.







When using these commands with PowerShell, make sure you redirect to \$env:GITHUB_OUTPUT:

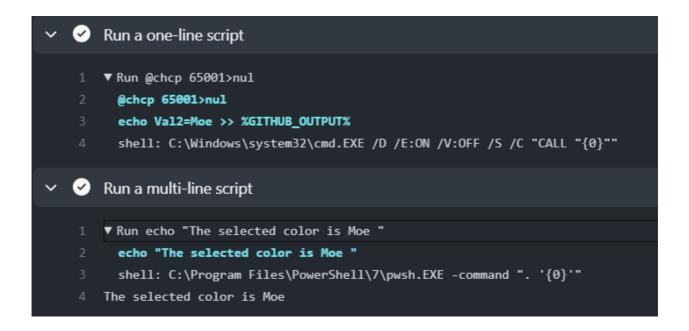
```
- name: Val2
id: set-Val2
run: echo "Val2=Moe" >> $env:GITHUB_OUTPUT
shell: pwsh
```

I also explicitly added shell: pwsh above, as the "old PowerShell" needs to be told to write UTF-8:

```
- shell: powershell
run: |
   "mypath" | Out-File -FilePath $env:GITHUB_PATH -Encoding utf8 -Append
```

When using shell: cmd you'd need to use %GITHUB_OUTPUT%, and change the codepage to Unicode:

```
@chcp 65001>nul
echo Val2=Moe >> %GITHUB_OUTPUT%
```



Share Improve this answer

edited Nov 15, 2022 at 18:11

answered Nov 15, 2022 at 10:29

Follow



Blogged: <u>jessehouwing.net/github-actions-workflow-commands-in-cmd</u> − jessehouwing Nov 15, 2022 at 17:54

Join Stack Overflow to find the best answer to your technical question, help others answer theirs.

Sign up

