New issue

String like `=~` in Bash not escaped properly by escape(All) with interpolation escaping enabled #169

✓ **Closed**   **ericcornelissen** opened this issue on Feb 19 · 0 comments · Fixed by #170 or #172

Assignees		
Assignees	⊝	
Labels	bug	

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ericcornelissen commented on Feb 19 · edited ▼   `Owner`

Bug Report

- **Shescape version**: `v1.5.0`
- **Operating system**: Unix (Ubuntu 20.04)
- **Shell**: Bash

Description

If the string `=~` appears at the end of an argument in Bash (without quoting the argument) the tilde (`~`) will be expanded to the home directory. Similarly, when `xxx:~`, `~:xxx` or `xxx:~:xxx` appears after `=` (where `xxx` can be *any* string), the tilde (`~`) will be expanded, this even works for multiple tildes.

Actual Behaviour

When running `shescape.escape(All)` with interpolation escaping enabled the trailing `~` is not escaped and therefore expanded when the argument is used.

Expected Behaviour

When running `shescape.escape(All)` with interpolation escaping enabled the trailing `~` should be escaped to avoid it being expanded when the argument is used.

Working Examples

This category of bug was found by fuzzing, the crash results can be found here:

- fuzz-crash-ubuntu-latest-d064460acb19928e9d39d88104d3babbac73b8c3.zip
- fuzz-crash-ubuntu-latest-3f7da262eedcbbafb9fa6c88a73f27ccad35541e.zip
- fuzz-crash-ubuntu-latest-d9afe26e335c8ec19274bf4a631cdce570169161.zip
- fuzz-crash-ubuntu-latest-71ebbf663da3b83efd509e136ab3424293fa42bd.zip
- fuzz-crash-ubuntu-latest-bff706bd1435d57c3d433d63d50f7e2f7e87f4f4.zip
- fuzz-crash-ubuntu-latest-50ab31df9b55f3b4953d5db689c25cdef1014e40.zip
- fuzz-crash-ubuntu-latest-18410404c15407d04365ed5149d537e6d222b172.zip

ericcornelissen added the bug label on Feb 19

ericcornelissen self-assigned this on Feb 19

ericcornelissen mentioned this issue on Feb 19

Escape trailing strings like =~ for Bash-like shells #170

⋔ Merged

ericcornelissen changed the title ~~Trailing string =~ in Bash not escaped properly by escape(All)~~
Trailing string like =~ in Bash not escaped properly by escape(All) on Feb 19

ericcornelissen closed this as completed in #170 on Feb 19

ericcornelissen reopened this on Feb 19

ericcornelissen mentioned this issue on Feb 20

Escape trailing strings like =~x for Bash-like shells #172

⋔ Merged

ericcornelissen closed this as completed in #172 on Feb 20

ericcornelissen changed the title ~~Trailing string like `=~` in Bash not escaped properly by escape(All)~~ **String like `=~` in Bash not escaped properly by escape(All) with interpolation escaping enabled** on Feb 22

ericcornelissen added a commit that referenced this issue on Jun 3

    `Add dedicated escaping logic for Dash` …   ✕ 66dcdcd

ericcornelissen added a commit that referenced this issue on Jun 7

    `Separate Dash escaping from Bash escaping (#272)` …   ✓ b888aaf

Assignees

ericcornelissen

Labels

bug

Projects

None yet

Milestone

No milestone

Development

Successfully merging a pull request may close this issue.

Escape trailing strings like `=~` for Bash-like shells
ericcornelissen/shescape

Escape trailing strings like `=~x` for Bash-like shells
ericcornelissen/shescape

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1 participant