

fix(expressions): avoid helper eval in literal checks #7321

Merged ehsandeeep merged 2 commits into dev from dwiswant0/fix/expressions/avoid... last week

Conversation 7 Commits 2 Checks 20 Files changed 6



dwiswant0 commented 3 weeks ago • edited by coderabbitai bot

Member

Proposed changes

fix(expressions): avoid helper eval in literal checks

hasLiteralsOnly() currently evaluates helper expressions while deciding whether "{...}" contains unresolved variables, which makes validation paths run side-effectful helpers.

Just replace that runtime eval with a vars() len check so unresolved-variable detection literally stays literal (am I writing it right?), and of course side-effect free.

Also make Evaluate() return template-authored expression compile/eval errors instead of logging and then keep continuing, so malformed helper calls still fail in the rendering path.

Fixes #7320

Proof

```
$ time ./bin/nuclei -t eval-while-validating.yaml -u "http://localhost:8088/" -var "fur" it
```



Checklist

- Pull request is created against the [dev](#) branch
- All checks passed (lint, unit/integration/regression tests etc.) with my changes
- I have added tests that prove my fix is effective or that my feature works
- I have added necessary documentation (if appropriate)

Summary by CodeRabbit

- **Bug Fixes**

- Expression evaluation now fails immediately with clear error messages instead of skipping, and avoids leaking resolved secret values.
- Helper/template-like syntax embedded in resolved inputs is no longer executed.
- Request argument processing aborts correctly on argument-evaluation errors.

- **Tests**

- Added tests covering expression error handling, helper isolation, unresolved-variable behavior, and argument-evaluation failure handling.



auto-assign (bot) requested a review from **dogancanbakir** [3 weeks ago](#)

coderabbitai (bot) commented [3 weeks ago](#) • edited ▾

Contributor

Walkthrough

Expression evaluation now returns errors immediately on compile/eval failures and avoids executing expressions to determine "literals-only." Unresolved-marker replacement is gated by presence of unresolved markers and function tokens. Tests added to ensure helpers are not executed during unresolved-variable checks and to validate error messaging.

Changes

Cohort / File(s)	Summary
Evaluation & Replacement pkg/protocols/common/expressions/expressions.go	Evaluate now fails fast on compile/eval errors (returns wrapped error). Replacement may be set to unresolved-marker only if unresolved markers exist and the

Cohort / File(s)	Summary
	compiled expression contains govaluate function tokens; incremental placeholder replacement uses the computed replacement .
Validation (literals-only check) pkg/protocols/common/expressions/variables.go	hasLiteralsOnly treats nil as literals-only and determines literals-only by checking len(expr.Vars()) == 0 instead of executing the expression.
Tests & Test Helpers pkg/protocols/common/expressions/expressions_test.go , pkg/protocols/common/expressions/variables_test.go	Added tests covering: helpers not executed during unresolved-variable checks, error messages for invalid template expressions (no leakage of resolved secret values), and behavior with marker-like substrings. Added withTestHelperFunction test helper.
JS Request error path & tests pkg/protocols/javascript/js.go , pkg/protocols/javascript/js_test.go	Request.getArgsCopy now returns immediately on arg-evaluation error (records failure and increments failed requests). New test ensures ExecuteWithResults returns an evaluation error (no panic) when args contain invalid expression like {{base64()}} .

Estimated code review effort

 4 (Complex) |  ~45 minutes

Poem



I nibbled templates under moonlight bright,
 Kept helpers sleeping, avoided a fright.
 Errors call out, secrets tucked tight,
 Markers stay markers, functions take flight.
 Hooray for tidy burrows tonight! 🥕

▶ 🚦 Pre-merge checks | ✅ 4 | ❌ 1

▶ ✨ Finishing Touches

Comment [@coderabbitai help](#) to get the list of available commands and usage tips.

👁️  **dwiswant0** requested a review from **Ice3man543** [3 weeks ago](#)

👁️ **coderabbitai** (bot) reviewed [3 weeks ago](#)

[View reviewed changes](#)



coderabbitai (bot) left a comment

Contributor

Actionable comments posted: 2

▶ 🤖 Prompt for all review comments with AI agents


▶ ✨ Autofix (Beta)

▶ ⓘ Review info

> pkg/protocols/common/expressions/expressions.go (Outdated) [Show resolved](#)

> pkg/protocols/common/expressions/expressions.go (Outdated) [Show resolved](#)

🔗  **fix(expressions): avoid helper eval in literal checks** [...](#) ❌ [a3f3c99](#)

📄  **dwiswant0** [force-pushed](#) the [dwiswant0/fix/expressions/avoid-helper-eval-in-literal-checks](#) branch from **0734d48** to **a3f3c99** [3 weeks ago](#) [Compare](#)

👁️ **coderabbitai** (bot) reviewed [3 weeks ago](#)

[View reviewed changes](#)



coderabbitai (bot) left a comment

Contributor

- ▶ Nitpick comments (1)
- ▶ Prompt for all review comments with AI agents

- ▶ Review info



[fix\(javascript\): avoid nil map panic on arg eval failure](#) ...

✓ [64721d8](#)

neo-by-projectdiscovery-dev (bot) commented [3 weeks ago](#) • edited ▾

Neo - PR Security Review

No security issues found

Comment [@pdneo help](#) for available commands. · [Open in Neo](#)



coderabbitai (bot) reviewed [3 weeks ago](#)

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coderabbitai (bot) left a comment

Contributor

- ▶ Nitpick comments (1)
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ehsandeep approved these changes [last week](#)

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ehsandeep merged commit **6c803c7** into **dev** last week

32 of 33 checks passed

[View details](#)



ehsandeep deleted the **dwiswant0/fix/expressions/avoid-helper-eval-in-literal-checks**

branch last week

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Reviewers



coderabbitai[bot]



ehsandeep



dogancanbakir



Ice3man543



Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may close these issues.



[BUG] validation executes DSL helpers while checking unresolved variables

2 participants

