# Introduction

Thank you for participating in our study. The purpose of this study is to evaluate the performance of popular Golang linters. Please complete this questionnaire within the next 3 weeks. If you have any questions or need more time, feel free to contact us at [wjwcis@udel.edu](mailto:wjwcis@udel.edu).

Please answer the following questions independently without comparing or referring to other questions; or asking for help from other participants/online forums/LLM-based chatbots.

* *I agree*
* *I disagree*

# Survey Questions

## Question 1

<<https://github.com/pulumi/pulumi/pull/11857/commits/6da69abdeabaffcb5c6307c41fb49829cd0d6b81>> fixes a <Misuse of type conversion and declaration> at <line 157-163> in <pkg/codegen/testing/tstypes/tstypes.go>.

For each tool:

This is the output of <tool 1> on the code prior to the commit:

<[pulumi-09aee82c2c72b6dc4357dd7237b4279a71e485b2-tool\_1.txt](https://docs.google.com/document/d/144xI6Nub1yLn_QfIVB2bKOVq-5wFpZYYnxLH00p300k/edit?usp=sharing)>

The output is effective at convincing me that <line 157-163> in <pkg/codegen/testing/tstypes/tstypes.go> is <Misuse of type conversion and declaration>

* Strongly Disagree
* 2
* 3
* 4
* Strongly Agree
* No issues at all (N/A)

Why do you believe that the output is effective or not?

| Clear enough about the error and the line. |
| --- |

The output is effective at guiding me to the fix captured in the commit

* Strongly Disagree
* 2
* 3
* 4
* Strongly Agree
* No issues at all (N/A)

Why do you believe that the output is effective or not?

|  |
| --- |

## Question 2

<<https://github.com/tinylib/msgp/pull/320/commits/79004a02122d12b59ada6f99b4c36f96b53fc629>> fixes a <Misuse of type conversion and declaration> at <line 122-129> in <msgp/elsize.go>.

For each tool:

This is the output of <tool 1> on the code prior to the commit:

<[msgp-bb8909c937c78279debe87ca18c5cb3332920f38-tool\_1.txt](https://docs.google.com/document/d/1tgCVCEnTuKRwj5dFGQphOeoRc4uF-wMSGz2PWtK5CG0/edit?usp=sharing)>

The output is effective at convincing me that <line 122-129> in <msgp/elsize.go> is <Misuse of type conversion and declaration>

* Strongly Disagree
* 2
* 3
* 4
* Strongly Agree
* No issues at all (N/A)

Why do you believe that the output is effective or not?

| Too many unrelated failures hide the root cause.But the root cause is on the top level. |
| --- |

The output is effective at guiding me to the fix captured in the commit

* Strongly Disagree
* 2
* 3
* 4
* Strongly Agree
* No issues at all (N/A)

Why do you believe that the output is effective or not?

| The root issue line is not included on the top and need take time to locate the error line. |
| --- |

## Question 3

<<https://github.com/influxdata/telegraf/pull/11956/commits/a39dc708b9e6afe67792b06214fe58efb26c9a10>> fixes a <Misuse of defer> at <line 314> in <agent/agent.go>.

For each tool:

This is the output of <tool 3> on the code prior to the commit:

<[telegraf-ed8bd1dd525f266f204c921986de40bdf92c4e94-tool\_3.txt](https://docs.google.com/document/d/1kGCSkedN4FqbxX0MX0tJ4fS0yvqZ6MPXSVqyk1IgzOs/edit?usp=sharing)>

The output is effective at convincing me that <line 314> in <agent/agent.go> is <Misuse of defer>

* Strongly Disagree
* 2
* 3
* 4
* Strongly Agree
* No issues at all (N/A)

Why do you believe that the output is effective or not?

| The defer error is not on the top level. |
| --- |

The output is effective at guiding me to the fix captured in the commit

* Strongly Disagree
* 2
* 3
* 4
* Strongly Agree
* No issues at all (N/A)

Why do you believe that the output is effective or not?

| Just mentioned defer inside lots of errors which are not easy to detect. |
| --- |

## Question 4

<<https://github.com/influxdata/telegraf/pull/10193/commits/8c7704722bfa01019ab3d3e3aa8a67272c4b015b>> fixes a <Misuse of defer> at <line 183> in <plugins/inputs/rethinkdb/rethinkdb\_server.go>.

For each tool:

This is the output of <tool 3> on the code prior to the commit:

<[telegraf-9bd0c6121e3a94f8a693e32ec06fb6c293e75381-tool\_3.txt](https://docs.google.com/document/d/1YLlnqeP8jfdt5v62UKw05SV0IjGKOiCiI1LMkBE6W5Q/edit?usp=sharing)>

The output is effective at convincing me that <line 183> in <plugins/inputs/rethinkdb/rethinkdb\_server.go> is <Misuse of defer>

* Strongly Disagree
* 2
* 3
* 4
* Strongly Agree
* No issues at all (N/A)

Why do you believe that the output is effective or not?

| Kind of mentioning the defer error |
| --- |

The output is effective at guiding me to the fix captured in the commit

* Strongly Disagree
* 2
* 3
* 4
* Strongly Agree
* No issues at all (N/A)

Why do you believe that the output is effective or not?

| Just mentioned defer inside lots of errors which are not easy to detect. |
| --- |

## Question 5

<<https://github.com/pub-solar/terraform-provider-hostingde/pull/3/commits/3945d2ca7b38c128592b9cc727eb1949286dbdea>> fixes a <Missing a null check> at <line 29-30> in <hostingde/client.go>.

For each tool:

This is the output of <tool 1> on the code prior to the commit:

<[terraform-provider-hostingde-ab94adadb16dcbc6c1127ccb34f5cfd80586c8df-tool\_1.txt](https://docs.google.com/document/d/10NPec2eex0B-9sUMCvUZY26UhX7PWff82cyDf2wckV8/edit?usp=sharing)>

The output is effective at convincing me that <line 29-30> in <hostingde/client.go> is <Missing a null check>

* Strongly Disagree
* 2
* 3
* 4
* Strongly Agree
* No issues at all (N/A)

Why do you believe that the output is effective or not?

| Pointed out the nullable variables and the lines. |
| --- |

The output is effective at guiding me to the fix captured in the commit

* Strongly Disagree
* 2
* 3
* 4
* Strongly Agree
* No issues at all (N/A)

Why do you believe that the output is effective or not?

| The error line is included |
| --- |

## Question 6

<<https://github.com/supabase/gotrue/pull/636/commits/579be1dd6cb32160f727a17237f05b04626f2469>> fixes a <Misuse of error handling> at <line 151 & 236> in <api/hooks.go>.

For each tool:

This is the output of <tool 4> on the code prior to the commit:

<[gotrue-6399fb04c135edab42682c9f4bcf44e6c1bece89-tool\_4.txt](https://docs.google.com/document/d/1iT1qfddEgCm0a8qHorjpOUL63qobH9tGftouGSnTq5U/edit?usp=sharing)>

The output is effective at convincing me that <line 151 & 236> in <api/hooks.go> is <Misuse of error handling>

* Strongly Disagree
* 2
* 3
* 4
* Strongly Agree
* No issues at all (N/A)

Why do you believe that the output is effective or not?

| The error stack is provided. |
| --- |

The output is effective at guiding me to the fix captured in the commit

* Strongly Disagree
* 2
* 3
* 4
* Strongly Agree
* No issues at all (N/A)

Why do you believe that the output is effective or not?

| The root error is located. |
| --- |