

gleam-lang / gleam Public

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# Commit 55bb36e



**lpil** committed 3 days ago · ✓ 8 / 8

v1.15.3

**v1.15.x** · v1.15.4 v1.15.3

1 parent [0fc4a4c](#) commit 55bb36e

**14 files changed** +150 -28 lines changed

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14 files changed +150 -28 lines changed

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CHANGELOG.md

```

@@ -12,6 +12,14 @@
12 12
13 13    ### Bug fixes
14 14
15 + ## v1.15.3 - 2026-04-11
16 +
17 + ### Bug fixes
18 +
19 + - `gleam.toml` files with invalid dependency names now raise an error
20 + immediately when the file is parsed.
21 + ([Louis Pilfold](https://github.com/lpil))
22 +
15 23    ## v1.15.2 - 2026-03-19
16 24
17 25    ### Bug fixes

```

Cargo.lock

## Load Diff

Some generated files are not rendered by default. Learn more about [customizing how changed files appear on GitHub](#).

### ▼ compiler-cli/Cargo.toml



@@ -1,6 +1,6 @@

```

1 1  [package]
2 2  name = "gleam-cli"
3 3  - version = "1.15.2"
3 3  + version = "1.15.3"
4 4  authors = ["Louis Pilfold <louis@lpil.uk>"]
5 5  edition = "2024"
6 6  license = "Apache-2.0"

```



### ▼ compiler-core/Cargo.toml



@@ -1,6 +1,6 @@

```

1 1  [package]
2 2  name = "gleam-core"
3 3  - version = "1.15.2"
3 3  + version = "1.15.3"
4 4  authors = ["Louis Pilfold <louis@lpil.uk>"]
5 5  edition = "2024"
6 6  license = "Apache-2.0"

```



### ▼ compiler-core/src/config.rs



@@ -163,9 +163,18 @@ pub struct PackageConfig {

```

163 163      pub description: EcoString,
164 164      #[serde(default, alias = "docs")]
165 165      pub documentation: Docs,
166 166      - #[serde(default, serialize_with = "ordered_map")]
166 166      + #[serde(
167 167          +         default,
168 168          +         serialize_with = "ordered_map",
169 169          +         deserialize_with = "dependencies_map::deserialize"

```

```

170 +   )]
167 171     pub dependencies: Dependencies,
168 -   #[serde(default, alias = "dev-dependencies", serialize_with =
      "ordered_map")]
172 +   #[serde(
173 +     default,
174 +     alias = "dev-dependencies",
175 +     serialize_with = "ordered_map",
176 +     deserialize_with = "dependencies_map::deserialize"
177 +   )]
169 178     pub dev_dependencies: Dependencies,
170 179     #[serde(default)]
171 180     pub repository: Option<Repository>,
    ↓   @@ -362,6 +371,34 @@ aide_generator = { git =
    ↑   "git@github.com:crowdhailer/aide.git", ref = "f559c5bc"
362 371     insta::assert_snapshot!(insta::internals::AutoName,
      error.pretty_string());
363 372   }
364 373
374 + #[test]
375 + fn invalid_dependency_name() {
376 +   let toml = r#"
377 +     name = "wibble"
378 +     version = "1.0.0"
379 +
380 +     [dependencies]
381 +     Hello = "> 1.0.0"
382 +     "#;
383 +   let error = deserialise_config("gleam.toml", toml.into())
384 +     .expect_err("should fail to deserialise because invalid name");
385 +   insta::assert_snapshot!(insta::internals::AutoName,
      error.pretty_string());
386 + }
387 +
388 + #[test]
389 + fn invalid_dev_dependency_name() {
390 +   let toml = r#"
391 +     name = "wibble"
392 +     version = "1.0.0"
393 +

```

394		+ [dev_dependencies]
395		+ "yes." = "> 1.0.0"
396		+ "#;
397		+ let error = deserialise_config("gleam.toml", toml.into())
398		+ .expect_err("should fail to deserialise because invalid name");
399		+ insta::assert_snapshot!(insta::internals::AutoName,
		error.pretty_string());
400		+ }
401		+
365	402	#[test]
366	403	fn locked_no_manifest() {
367	404	let mut config = PackageConfig::default();
		@@ -1065,11 +1102,8 @@ mod uri_serde_default_https {
1065	1102	
1066	1103	mod package_name {
1067	1104	use ecow::EcoString;
1068		- use regex::Regex;
1069	1105	use serde::Deserializer;
1070		- use std::{fmt, sync::OnceLock};
1071		-
1072		- static PACKAGE_NAME_PATTERN: OnceLock<Regex> = OnceLock::new();
	1106	+ use std::fmt;
1073	1107	
1074	1108	pub fn deserialize<'de, D>(deserializer: D) -> Result<EcoString,
		D::Error>
1075	1109	where
		@@ -1091,10 +1125,7 @@ mod package_name {
1091	1125	where
1092	1126	E: serde::de::Error,
1093	1127	{
1094		- if PACKAGE_NAME_PATTERN
1095		- .get_or_init(   Regex::new("[a-z][a-z0-
		9_]*\$").expect("Package name regex"))
1096		- .is_match(value)
1097		- {
	1128	+ if super::is_valid_package_name(value) {
1098	1129	Ok(value.into())
1099	1130	} else {
1100	1131	let error =

```

@@ -1105,6 +1136,53 @@ mod package_name {
1105 1136     }
1106 1137   }
1107 1138
1139 + mod dependencies_map {
1140 +   use ecow::EcoString;
1141 +   use serde::{Deserialize, Deserializer, de};
1142 +   use std::collections::HashMap;
1143 +
1144 +   pub fn deserialize<'de, D, V>(deserializer: D) ->
Result<HashMap<EcoString, V>, D::Error>
1145 +   where
1146 +     D: Deserializer<'de>,
1147 +     V: Deserialize<'de>,
1148 +     {
1149 +     struct DependenciesVisitor<V>(std::marker::PhantomData<V>);
1150 +
1151 +     impl<'de, V: Deserialize<'de>> de::Visitor<'de> for
DependenciesVisitor<V> {
1152 +       type Value = HashMap<EcoString, V>;
1153 +
1154 +       fn expecting(&self, f: &mut std::fmt::Formatter<'_>) ->
std::fmt::Result {
1155 +         write!(f, "a map with valid package name keys")
1156 +       }
1157 +
1158 +       fn visit_map<A: de::MapAccess<'de>>(self, mut map: A) ->
Result<Self::Value, A::Error> {
1159 +         let mut dependencies = HashMap::new();
1160 +         while let Some(key) = map.next_key:::<EcoString>()? {
1161 +           if !super::is_valid_package_name(&key) {
1162 +             return Err(de::Error::invalid_value(
1163 +               de::Unexpected::Str(&key),
1164 +               &"a package name containing only lowercase
letter, numbers, and underscores",
1165 +             ));
1166 +           }
1167 +           let _: Option<_> = dependencies.insert(key,
map.next_value()?);
1168 +         }

```

```

1169 +         Ok(dependencies)
1170 +     }
1171 + }
1172 +
1173 +
1174 +     deserializer.deserialize_map(DependenciesVisitor(std::marker::PhantomData))
1175 + }
1176 +
1177 + fn is_valid_package_name(name: &str) -> bool {
1178 +     use regex::Regex;
1179 +     use std::sync::OnceLock;
1180 +     static PACKAGE_NAME_PATTERN: OnceLock<Regex> = OnceLock::new();
1181 +     PACKAGE_NAME_PATTERN
1182 +         .get_or_init(|| Regex::new("[a-z][a-z0-9_]*$").expect("Package name
1183 +         regex"))
1184 +         .is_match(name)
1185 + }

```

```

1108 1186 #[test]
1109 1187 fn name_with_dash() {
1110 1188     let input = r#"

```



...\_core\_\_config\_\_invalid\_dependency\_name.snap

```

... @@ -0,0 +1,18 @@
1 + ---
2 + source: compiler-core/src/config.rs
3 + assertion_line: 385
4 + expression: error.pretty_string()
5 + ---
6 + error: File IO failure
7 +
8 + An error occurred while trying to parse this file:
9 +
10 +     gleam.toml
11 +
12 + The error message from the file IO library was:
13 +
14 +     TOML parse error at line 5, column 1

```

```

15 + |
16 + 5 | [dependencies]
17 + | ^^^^^^^^^^^^^^^^^
18 + invalid value: string "Hello", expected a package name containing only lowercase
    letter, numbers, and underscores

```

...e\_config\_invalid\_dev\_dependency\_name.snap

```

... @@ -0,0 +1,18 @@
1 + ---
2 + source: compiler-core/src/config.rs
3 + assertion_line: 399
4 + expression: error.pretty_string()
5 + ---
6 + error: File IO failure
7 +
8 + An error occurred while trying to parse this file:
9 +
10 +     gleam.toml
11 +
12 + The error message from the file IO library was:
13 +
14 +     TOML parse error at line 5, column 1
15 +     |
16 + 5 | [dev_dependencies]
17 + | ^^^^^^^^^^^^^^^^^
18 + invalid value: string "yes.", expected a package name containing only lowercase
    letter, numbers, and underscores

```

compiler-wasm/Cargo.toml

```

... @@ -1,6 +1,6 @@
1 1 [package]
2 2 name = "gleam-wasm"
3 3 - version = "1.15.2"
3 3 + version = "1.15.3"
4 4 authors = ["Louis Pilfold <louis@lpil.uk>"]
5 5 edition = "2024"
6 6 license = "Apache-2.0"

```

```
gleam-bin/Cargo.toml
```

```
@@ -1,6 +1,6 @@
1 1  [package]
2 2  name = "gleam"
3 3  - version = "1.15.2"
3 3  + version = "1.15.3"
4 4  authors = ["Louis Pilfold <louis@lpil.uk>"]
5 5  edition = "2024"
6 6  license = "Apache-2.0"
```

```
hexpm/Cargo.toml
```

```
@@ -1,6 +1,6 @@
1 1  [package]
2 2  name = "hexpm"
3 3  - version = "1.15.2"
3 3  + version = "1.15.3"
4 4  authors = ["Louis Pilfold <louis@lpil.uk>"]
5 5  edition = "2024"
6 6  license = "Apache-2.0"
```

```
language-server/Cargo.toml
```

```
@@ -1,6 +1,6 @@
1 1  [package]
2 2  name = "gleam-language-server"
3 3  - version = "1.15.2"
3 3  + version = "1.15.3"
4 4  authors = ["Louis Pilfold <louis@lpil.uk>"]
5 5  edition = "2024"
6 6  license = "Apache-2.0"
```

```
test-output/Cargo.toml
```

```
@@ -1,6 +1,6 @@
1 1  [package]
2 2  name = "test-output"
```

```
3 - version = "1.15.2"  
3 + version = "1.15.3"  
4 4 authors = ["Louis Pilfold <louis@lpil.uk>"]  
5 5 edition = "2024"  
6 6 license = "Apache-2.0"  
⋮
```


test-package-compiler/Cargo.toml

```
⋮ @@ -1,6 +1,6 @@  
1 1 [package]  
2 2 name = "test-package-compiler"  
3 - version = "1.15.2"  
3 + version = "1.15.3"  
4 4 authors = ["Louis Pilfold <louis@lpil.uk>"]  
5 5 edition = "2024"  
6 6 license = "Apache-2.0"  
⋮
```

test-project-compiler/Cargo.toml

```
⋮ @@ -1,6 +1,6 @@  
1 1 [package]  
2 2 name = "test-project-compiler"  
3 - version = "1.15.2"  
3 + version = "1.15.3"  
4 4 authors = ["Louis Pilfold <louis@lpil.uk>"]  
5 5 edition = "2024"  
6 6 license = "Apache-2.0"  
⋮
```

Comments 0

  
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