

zig 参考示例

卓能文

2023-12-21

目 录

1 运行外部程序	1
2 v 程序交叉编译	1

图形列表

表格列表

代码列表

1 运行外部程序

```

1  const std = @import("std");
2  pub fn main() !void {
3      var gpa = std.heap.GeneralPurposeAllocator(.{}){};
4      const allocator = gpa.allocator();
5      defer std.debug.assert(gpa.deinit() == .ok);
6
7      const build_date = blk: {
8          const result = try std.ChildProcess.run(.{ .allocator = allocator, .argv
= &.{ "date", "+%Y-%m-%dT%H:%M:%S%Z" } });
9          break :blk result.stdout;
10     };
11     defer allocator.free(build_date);
12     std.debug.print("Build at: {s}", .{build_date});
13 }
14

```

2 v 程序交叉编译

如下面 hello.v 程序:

```

1  pub fn main() {
2      println("Hello from v!")
3  }
4

```

```

1  # 编译到 c 语言
2  v -o hello.c -autofree hello.v

```

```

1  # native 编译
2  zig build-exe hello.c -lc

```

```

1  # 编译到 x86_64-linux
2  zig build-exe hello.c -lc -target x86_64-linux

```

或

```

1  zig cc hello.c -lc -target x86_64-linux

```

或

```

1  zig cc hello.c -lc -target x86_64-macos

```

```

1  # 编译到 x86_64-windows
2  zig build-exe hello.c -lc -target x86_64-windows

```

程序出错:

```

1  hello.c:787:9: error: unknown type name 'pthread_t'
2  typedef pthread_t __v_thread;
3      ^

```