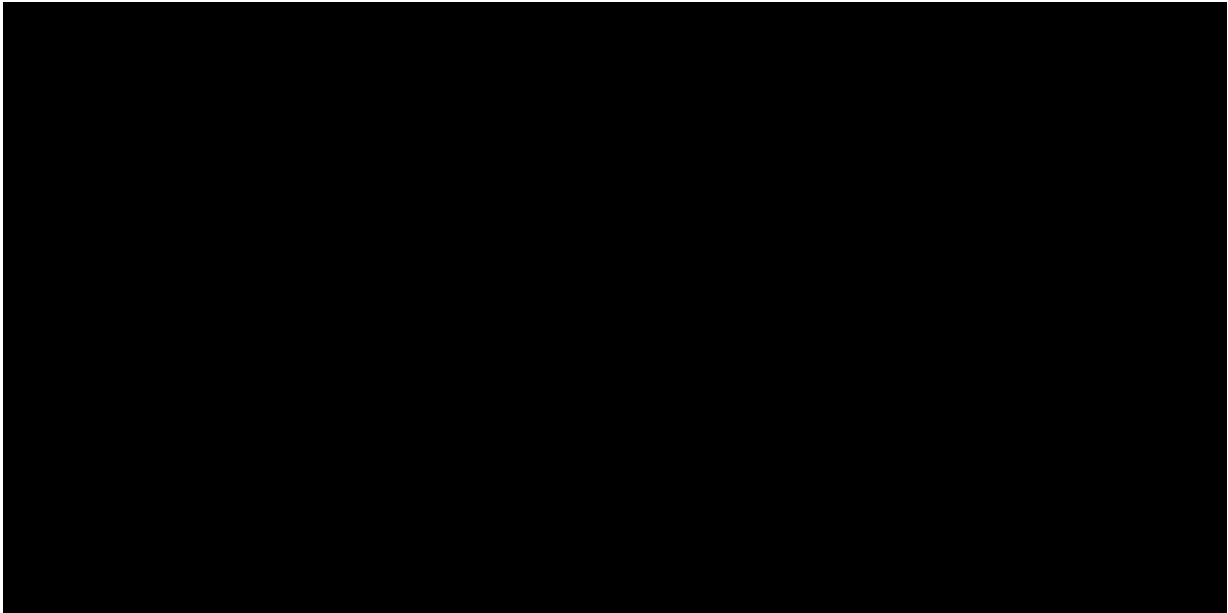


# A programming language for the cloud

Wing combines infrastructure and runtime code in one language, enabling developers to stay in their creative flow, and to deliver better software, faster and more securely.

```
$ npm i -g winglang && wing docs
```

[Visit Docs](#)



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# Infrastructure and code in one language

A unified programming model that combines both infrastructure and application code into a single programming language.

- Compiles to IaC (TF, CDK, etc.) & Javascript
- Infrastructure resources are first-class citizens
- Automatic IAM policies and other cloud mechanics

[Learn more](#)

```
hello.w x
1 bring cloud;
2
3 let bucket = new cloud.Bucket();
4 new cloud.Function(inflight () => {
5   bucket.put("Hello", "world");
6 });
```



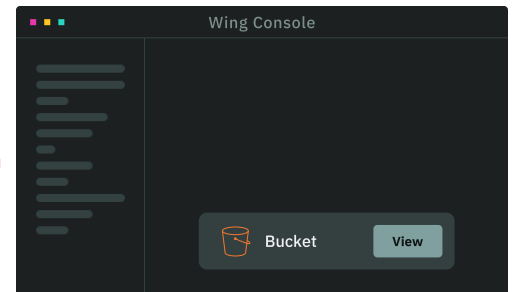
## Local simulation

Stay in your creative flow with minimal context switching and immediate feedback

- Run your cloud application in your local environment
- Visualize, interact, and debug locally
- Write unit test for complete cloud architectures

[Learn more](#)

```
hello.w x
1 bring cloud;
2
3 let bucket = new cloud.Bucket();
4 new cloud.Function(inflight
5
6
```



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## Apply DevOps at the right level

```
$ wing compile
  --target cloudformation-aws
  --policy hipaa-
```



Use any cloud service and compile to multiple cloud providers and provisioning engines, with full control over how your infrastructure is configured and deployed

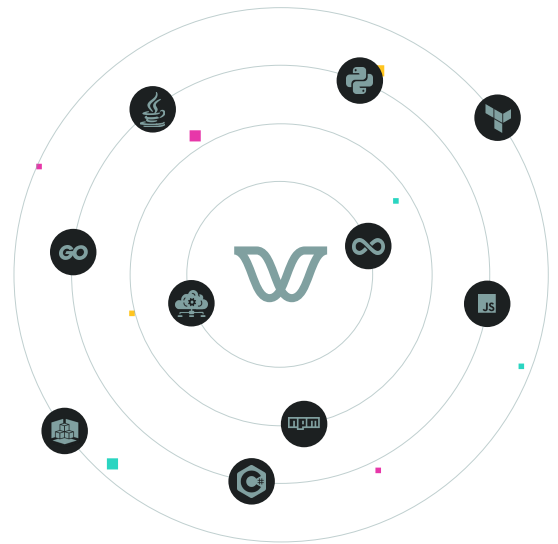
- Cloud-agnostic SDK for maximum portability
- Customizable infrastructure through plugins
- Supports any provider in the Terraform ecosystem

[Learn more](#)

## Designed for humans

Easy to learn and interoperates with existing stacks and tools

- Syntax inspired by modern application development languages like TypeScript, JavaScript, Swift, and more
- Statically-typed and simple language with powerful IDE tooling
- Interoperates with npm modules, CDK constructs and Terraform providers



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## Run locally or deploy to any cloud

---

I'm sure @winglangio is the logical progression towards modern software development. Certain native cloud concepts are core part of the programming language. And yet the level of abstraction at which you program is highly portable.



Andreas Grimm  
"Serverless & IAM" Solutions Architect  
Distology

## Frequently asked questions

Who is behind this project?



What pains does Winglang solve?



What makes Winglang a good fit for cloud development?



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# Finally, a language that can speak cloud

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