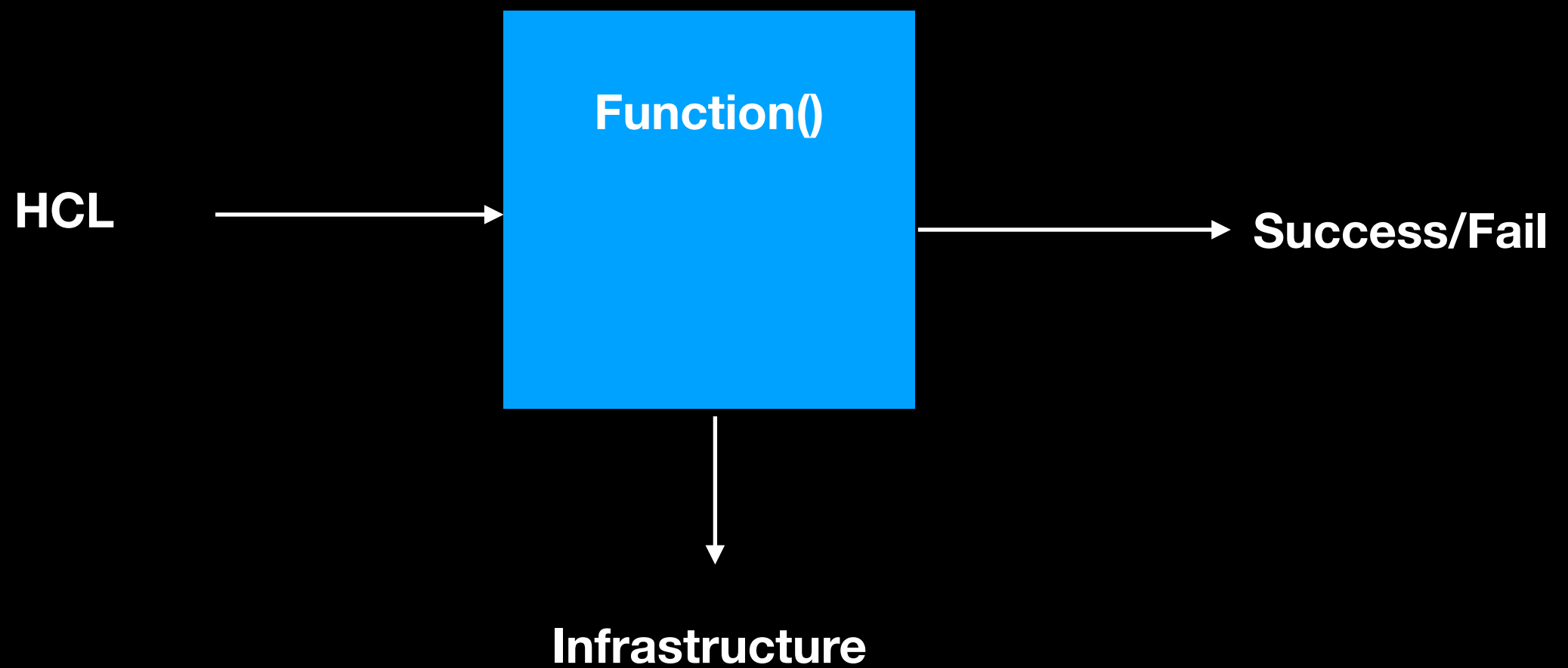


Terraform Pure Modules

Pure Functions



Terraform



Pure Terraform Modules

- <https://engineering.pigment.com/2024/04/03/pure-terraform-modules/>

Pure Terraform modules

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As our infrastructure scales, our Terraform codebase grows. To remain productive, we need to keep our code flexible and extendable. A design pattern we find useful is the pure Terraform module. Let's dive into what it is and how it helps us write maintainable Terraform code.

Examples

- Internal - data travels with HCL code
- External - data has its own speed, independent of HCL development

External Extras

- Customer-centric - they just need a schema of the data a HCL module requires
- New features on HCL can be driven by a new schema at the customers pace

Takeaways

- Data in a Data Format, not HCL
- Separate storage
- Separate velocity
- Formalises, with a name, something we tend to do anyway

Research

- Separation of JSON into multiple repos
- Parameterisation of consumption - both source and version