

Terraform best practices by GlobalDots



Module Mastery:

Embrace official modules for hassle-free maintenance and auto-updates to the latest service versions.



State File Strategy:

Break down your state files for streamlined management.



YAML Power:

Harness the simplicity of YAML for parameter inputs.



Version Vigilance:

Stay ahead with the latest Terraform versions. Skip the versioning headaches!



Terraform Generation:

Innovate with Python and Ginger to create robust Terraform configurations.



TF vs. Cloud Tools:

We debated Terraform's edge over tools like AWS CloudFormation, spotlighting its rich ecosystem of third-party modules – think Snowflake and Cloudflare!



TF Code Comprehension:

Terraform allows a great variety of expressions to wrap its resources into a smaller (beautiful) amount of code, which can be extremely difficult to understand at the same time, so need to remember to use more simple structures at times or provide detailed code documentation.



Wise Terraform CI:

Moving towards GitOps doing changes on a Terraform repository, it is important to build flexible tooling to support multiple directories, state files, environments, etc. Terraform GitOps may quickly become painful at scale, so investing time early is a way to save much time in flight.



Test early, test often:

Unleash the power of test frameworks (TF native `terraform test`, Terratest, etc.) to bring Terraform practices closer to a full SDLC cycle.



Lint Terraform Code:

Find possible errors, deprecated syntax, enforce best practices and naming conventions



Format Terraform Code:

Follow and enforce Terraform Style conventions



Scan Terraform Code:

Use tools like TFSec to scan your code to detect possible security risk



Document Your Modules

Use tools like terraform-docs to auto-generate module documentation to ensure that documentation matches the code

About

With 20 years of experience in Cloud Innovation, Security, Web Performance, DevOps, Corporate IT, and advanced AI/ML models - GlobalDots now grants businesses privileged access to groundbreaking FinOps technologies & services.

Our mission is to help all organizations close knowledge gaps and manage their spend prudently. Whether you are a startup or an established enterprise, we'll customize our solutions to meet the unique needs of your IT architecture. We leverage our vast experience from hundreds of successful use cases to ensure optimal results.

Led by a team of seasoned engineers and architects, GlobalDots offers easy end-to-end innovation adoption, from consulting to ongoing professional services, proactively introducing newer and better solutions to support operational excellence and business growth.

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