



Building on AWS with Terraform

Project: S3 Static Website

Building on AWS With Terraform

Christophe Limpalair
Founder & Trainer
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Tyler Petty
Staff Security Engineer



Today's Session

- How to set up Terraform
- Authenticating with the AWS CLI
- Deploying resources to AWS
- Managing, updating, and destroying resources with Terraform

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About Us





Building on AWS With Terraform

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Founder & Trainer
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Tyler Petty
Staff Security Engineer





About Christophe Limpalair

- 📽️ Founder and Trainer at Cybr
- 👨‍💻 8+ years of AWS experience
- ⏮️ Background primarily in web dev and AWS cloud
- 🥾 I live in Colorado and love hiking & skiing

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About Tyler Petty

- 🏢 Staff Security Engineer
- 👨‍💻 8+ years of cyber security experience, prior SysAdmin
- 🏔️ Live in Colorado and enjoy hiking

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What is Terraform?

- Infrastructure-as-Code (IaC)
- Hundreds of Providers to integrate with Cloud, On-Prem, and other solutions
- Written in HashiCorp Configuration Language (HCL)
- Declarative code
- Versioning, Scalability, Defined State, Security and Compliance

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Setting Up Terraform

```
macOS: brew install terraform

linux: sudo apt install terraform

windows: winget install --id=Hashicorp.Terraform  -e
```

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Setting Up Terraform

```
terraform --help

Usage: terraform [global options] <subcommand> [args]
```

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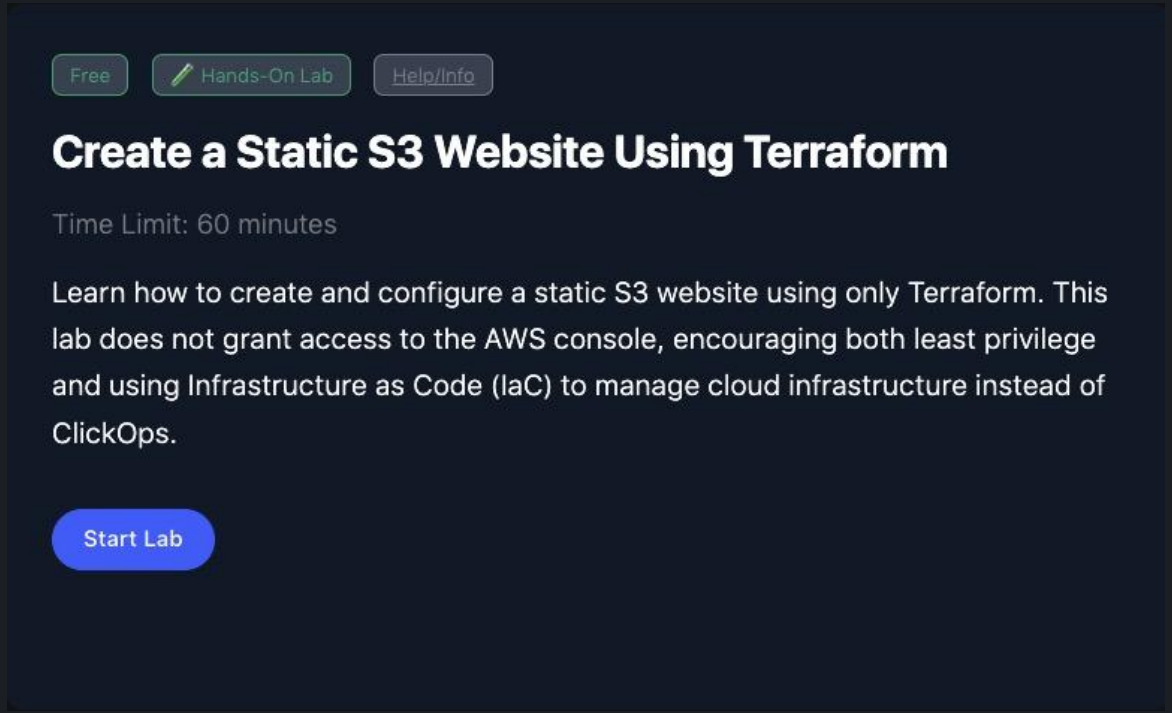
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You can use our lab instead if you want:



Access for free here: https://cybr.com/terraform (requires free account)

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Getting Started with Terraform on AWS

```
aws configure
AWS Access Key ID [None]: AKIAU......
AWS Secret Access Key [None]: 2HJ1+......
Default region name [None]: us-east-1
Default output format [None]: json
```

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Getting Started with Terraform on AWS



```
aws sts get-caller-identity
{
    "UserId": "AIDA......",
    "Account": "123456789012",
    "Arn": "arn:aws:iam::123456789012:user/myuser"
}
```

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Demo Time!

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Additional Resources

- https://developer.hashicorp.com/terraform/tutorials/aws-get-started/infrastructure-as-code
- https://registry.terraform.io/browse/providers
- https://docs.aws.amazon.com/cli/latest/userguide/getting-started-quickstart.html
- https://docs.aws.amazon.com/AmazonS3/latest/userguide/WebsiteHosting.html

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Thank you for attending!

Any questions?

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