Infrastructure as Code with Terraform

Setting up a website in AWS with S3

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Hi, I'm Nora

Senior Software Developer @ CodeCamp:N



current project



meine-vorsorgedokumente.de



Come by and say Hi 🔊



@wolkencode



@norchen

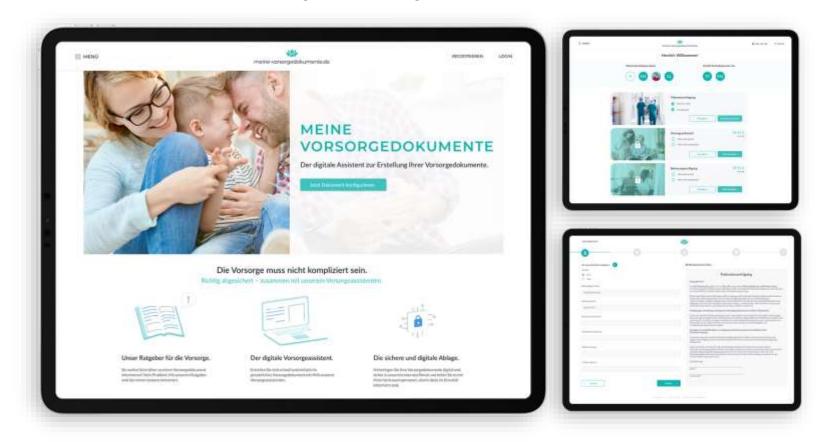


https://wolkencode.de



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Colleagues...

A new cooperation is coming.

We need the new test set-up by next week...

Yeah, let me just click through the console...

Argh!
WHICH CONFIG
did I used last

time?

And WHICH RESOURCES?

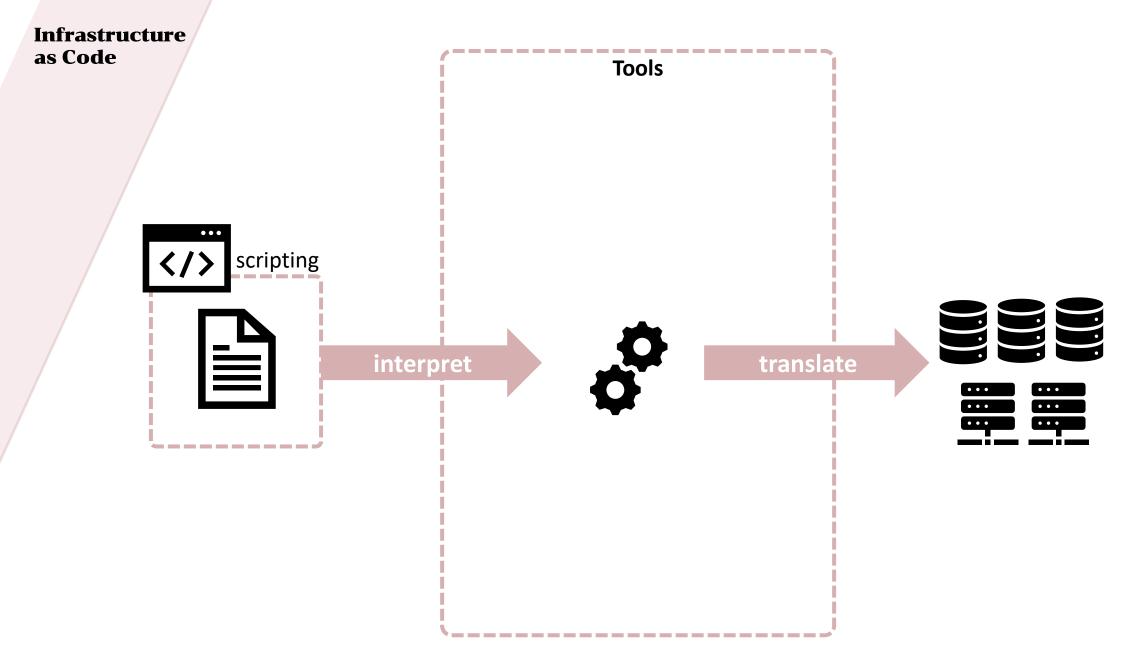
I can't remember

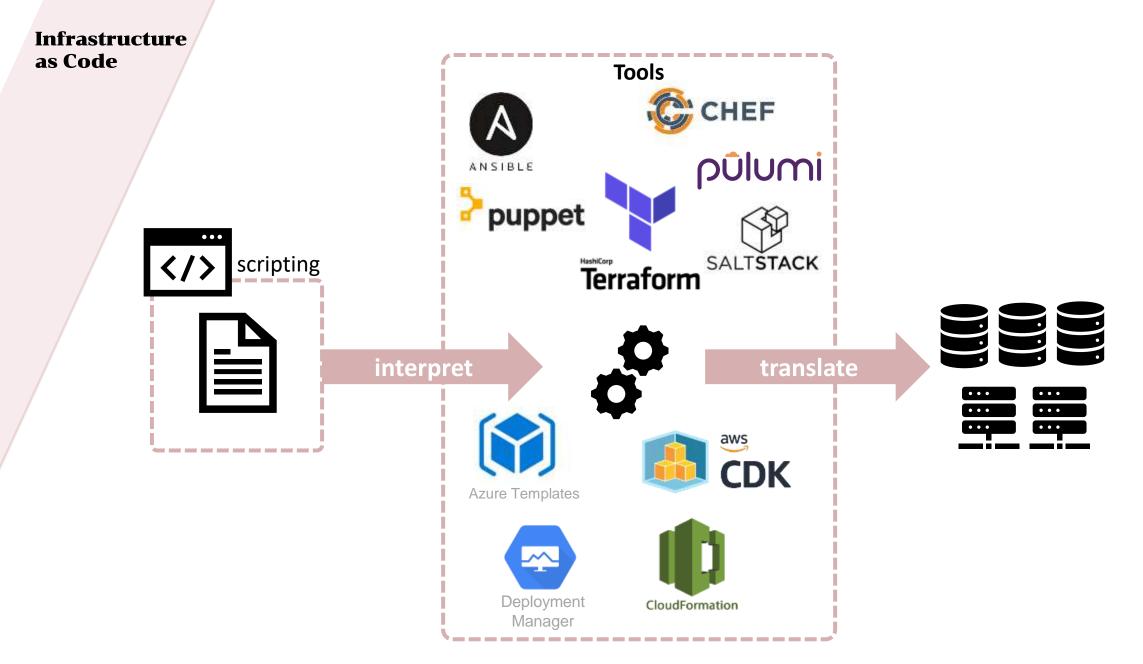
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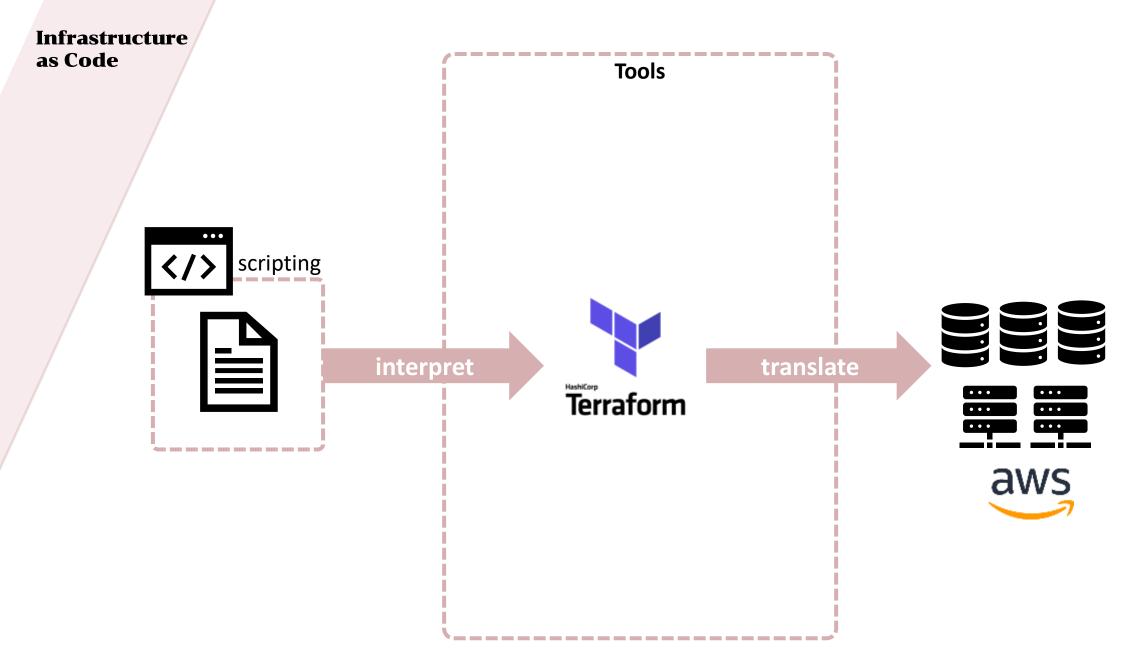
This should be working **AUTOMATICALLY**

.









IaC Advantages





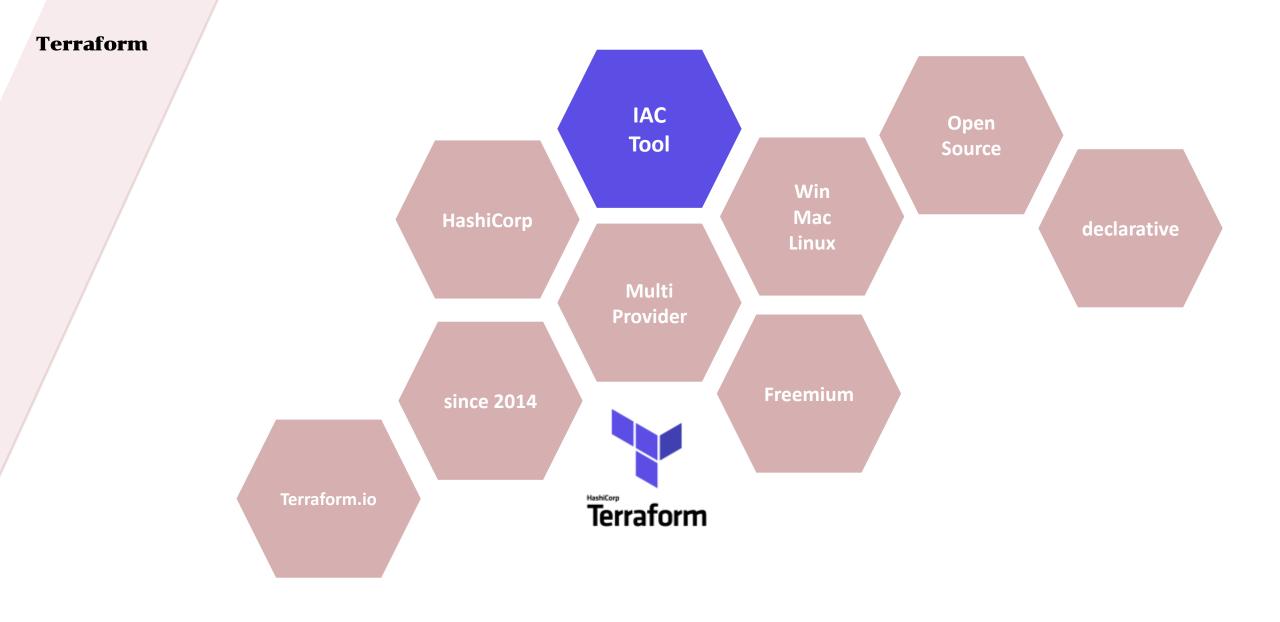


IaC Advantages









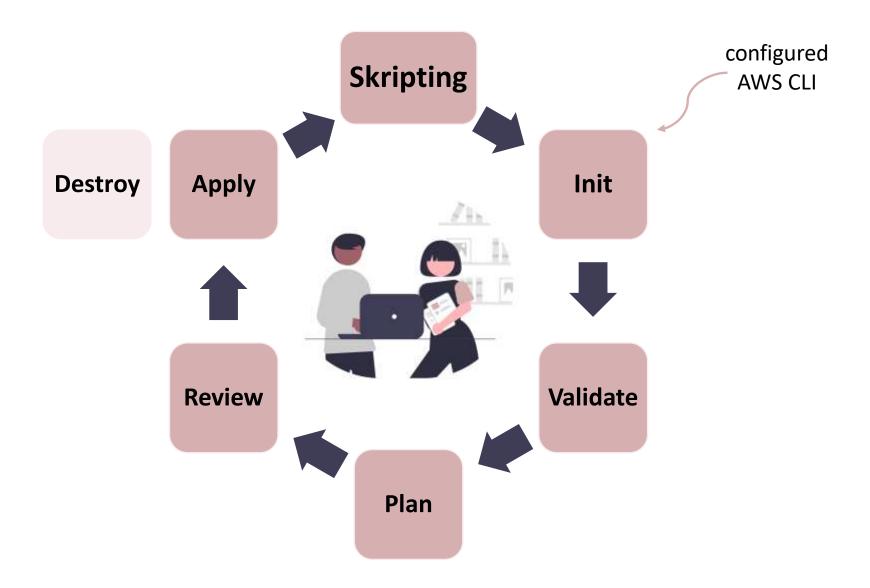
Installation

```
# install terraform
to temporary directory
cd tmp
# get latest terraform binaries for your system https://www.terraform.io/downloads.html
wget https://releases.hashicorp.com/terraform/0.14.4/terraform 0.14.4 linux amd64.zip
unzip terraform_0.14.4_linux_amd64.zip
# move terraform to an existing dir included in PATH
# (or add current dir to PATH)
mv terraform /usr/local/bin/
```

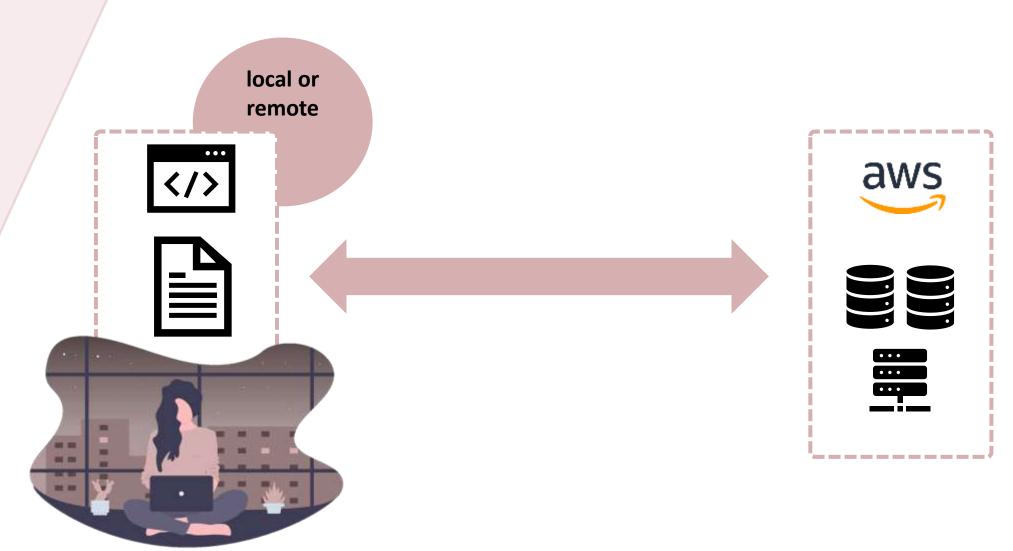
https://www.terraform.io/downloads.html

https://learn.hashicorp.com/tutorials/terraform/install-cli

Basic Workflow



States



Live Coding

```
22 V
23
26 V
31
```

Terraform Advantages



easy and fast to learn



good documentation with a lots of examples



planning with state management



open-source & community-driven

Terraform Challenges



complex conditions are not trivial to implement



every provider has its own resource set

Alternatives & Next Steps











photo by CodeCamp:N GmbH





Wir suchen dich!

Java-Entwickler*in

FE/BE/Fullstack-Entwickler*in

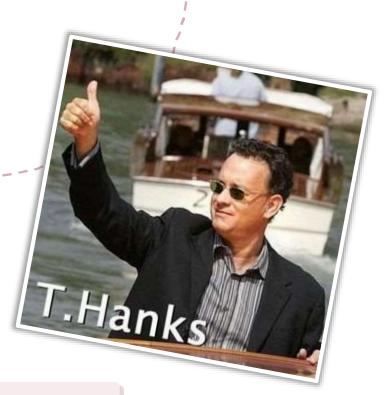
Testmanagement uvm.

https://codecampn-jobs.personio.de/

oder meld dich nora.schoener@codecamp-n.com



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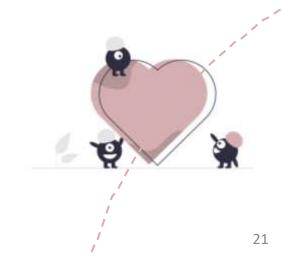


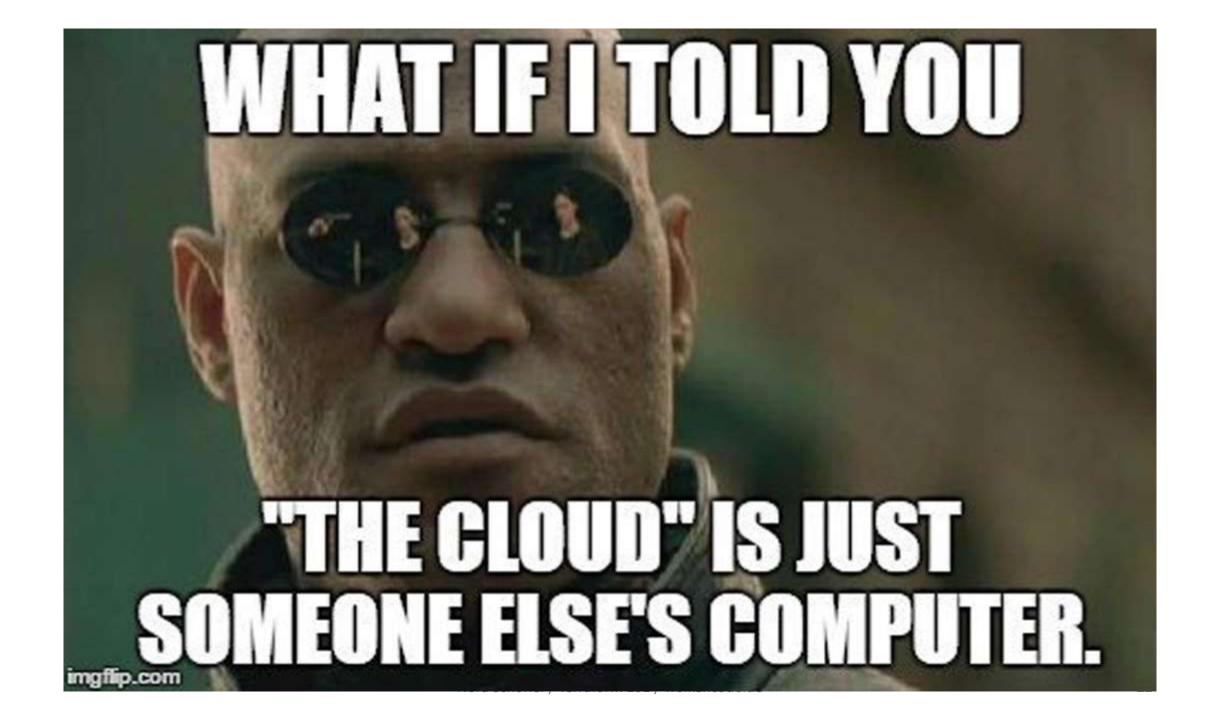
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Blog Post

https://wolkencode.de/posts/terraform-101/





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