Terraform tutorial (aws provider doc: <https://registry.terraform.io/providers/hashicorp/aws/latest/docs>)

1. Select IAM from AWS console
2. Select User from AWS console
3. Select create access key and save it into a file
4. Go to Instances and create a new key-pair named: *terra\_key*
5. Install **AWS CLI version 2** from here: <https://docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html>
6. Confirm successful installation with: *aws --version*
7. Install **Terraform** from here (more information here: https://developer.hashicorp.com/terraform/tutorials/aws-get-started/aws-build): <https://developer.hashicorp.com/terraform/downloads?ajs_aid=01c33e34-bc03-49dc-b85d-8d6460253a82&product_intent=terraform>
8. Confirm successful installation: *terraform –v*
9. Configure aws access method with this command from bash:

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| *aws configure*  *AWS Access Key ID [None]: \*\*\*\*\*\*\*\**  *AWS Secret Access Key [None]: \*\*\*\*\*\*\** |

1. Create a a new directory: *mkdir terra\_files*
2. Enter into new directory: *cd terra\_files*
3. Open Visual Studio Code and crete terraform file: code terra\_main.tf
4. Copy and paste this (substitute region if necessary)
5. Run the command: *terraform init*
6. Run the command: *terraform apply*
7. Accedere via SSH: *ssh -i .\terra\_key.pem* [*ec2-user@3.252.232.176*](mailto:ec2-user@3.252.232.176)

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| terraform {    required\_providers {      aws = {        source  = "hashicorp/aws"        version = "~> 4.16"      }    }    required\_version = ">= 1.2.0"  }  provider "aws" {    region  = "eu-west-1"  }  resource "aws\_instance" "app\_server" {    ami           = "ami-04f7efe62f419d9f5"    instance\_type = "t2.micro"    key\_name = "terra\_key"    root\_block\_device {      volume\_size = 20          volume\_type = "gp2"    }    tags = {      Name = "ExampleAppServerInstance"    }  } |