

## ★ Terraform →

1. Download Terraform. (setup in environment variables).
2. Check Terraform version. (cmd → terraform version).
3. Download AWS-CLI ([https://awscli.amazonaws.com/](https://awscli.amazonaws.com/AWSCLIV2.msi)  
AWSCLIV2.msi)
4. cmd → aws --version.
5. Go to (IAM) → Users → Create User.
6. Give (EC2) Full Access to this user, then go to select credentials (security)
7. Now, create Access Key for user. → select (CLI),
8. Download (.csv) for access keys.
9. Create a terraform folder on desktop → open cmd init  
→ (code .) → vs code → open new terminal.  
→ aws configure → enter the access key →  
enter the secret access key. → region (us-east-1)  
→ output format (None) → Enter.
10. CLI config completed now create a main.tf
11. code:  

```

provider "aws" {
  region = "us-east-1"
}

resource "aws-instance" "my-instance" {
  ami = "ami-006dcf..." → ami id of (machine)
  instance-type = "t2.micro"
  tags = {
    "Name" = "My EC2 Instance"
  }
}

```
12. cmd command → terraform fmt (cmd).  
 ↳ terraform init (cmd) → terraform validate (success)  
 → terraform plan.

13. Terminal will show terraform will create the following
14. (cmd) → terraform apply → Enter a value : (yes)
15. After work is done → terraform destroy (cmd).

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## \* Cloud 9

Services → Cloud 9 → Create environment → give name → create. → (under cloud 9 IDE) click open  
→ go to plus beside welcome → New File  
→ Main.java (Save) → put code and run.

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