

Scalable Solutions - Commands

Set region to `eu-west-1`

Setup Dynamo

- Table name: `TaskTable`
- Partition key: `taskId`

Create IAM user

- Save credentials

Create AMI

- Provision instance
- Create new inbound rule
 - Custom TCP rule
 - Port 3000
 - 0.0.0.0/0
- `chmod 400 keyfile.pem`
- `scp -i keyfile.pem -r server ec2-user@<IP_ADDR>:~`
- `ssh -i keyfile.pem ec2-user@<IP_ADDR>`
- `sudo yum update`
- `aws configure`
 - Copy `accessKeyId`, `secretKey` from IAM user
 - Default region is `eu-west-1`
- `curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.34.0/install.sh | bash`
- `. ~/.nvm/nvm.sh`
- `nvm install node`
- `npm install -g pm2`
- `pm2 startup`
- Paste command
- `cd server`
- `npm install`

- `pm2 start bin/www`
- `pm2 save`
- Create AMI from instance
- Create ASG
 - From AMI
- Attach load balancer to ASG
- Instance port to 3000
- `edit config/api-endpoints.ts`
- `base url = load balancer DNS`
- Build Angular app
- Copy contents of dist directory to s3
- Enable static hosting
- Bucket policy:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "PublicReadGetObject",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::BUCKET_NAME/*"
    }
  ]
}
```

- set ASG security group 3000
- LB security group