

Hometask 4

1. Terminate running EC2 instance

Please navigate to EC2 service page, select your instance and press stop

2. Create new VPC

Follow the steps we did during the practical session. If you still have questions look here:

<https://docs.aws.amazon.com/vpc/latest/userguide/create-vpc.html#create-vpc-only>

3. Create 2 subnets - public.

Follow the steps we did during the practical session. If you still have questions look here:

<https://docs.aws.amazon.com/vpc/latest/userguide/create-subnets.html>

Don't forget to create route table and attach your subnets to it.

4. Create EC2 instance in one of the subnets, attach security group with only port 22 open.

Follow the steps we did during the practical session. If you still have questions look here:

<https://docs.aws.amazon.com/efs/latest/ug/gs-step-one-create-ec2-resources.html>

5. Install nginx as in previous home task. Repeat the configuration from the previous home task, so that nginx is available on both 80 and 443. Try to access in browser your server, by providing "ip_address:port_number" - answer with status code and message you receive when you try to do it.

6. Update your security group and open access on ports 80 and 443.

7. Try to access EC2 instance public IP and see what it shows - answer with status code and what you see (screenshot)

8. Create new Role for EC2 with permissions to access SessionManager. Try to ssh instance using ec2 session manager.

Follow the steps we did during the practical session. If you still have questions look here:

<https://docs.aws.amazon.com/systems-manager/latest/userguide/getting-started-create-iam-instance-profile.html>

9. Run one of the scripts you've created in homework #2. Answer with screenshot of successful execution result of the script over session manager access.

The deadline for this task is Monday 13.05, 22.00 GMT. All solutions should be submitted as screenshots (steps 2-9).