

# TIDY PROJECT

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[https://github.com/GalRabin/cloud\\_course/tree/master/tidy](https://github.com/GalRabin/cloud_course/tree/master/tidy)



# PROJECT OVERVIEW

- Tidy project is a SAS solution which allow enterprise to install/update/fix existing employees development enviorment.
- Terminology:
  - Users – User is configuration of PCs in the organization. (Username, Password, IP in VPN).
  - Profiles – Profile is configuration of set of tools used by specific Employee/Team in enterprise. (IDEs, git/svn etc)
  - Jobs – Jon is configuration of profile and user combined (User is part of specific team or multiple)

# DEMO FLOW

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1

Add/Delete user.

2

Add/Remove profile.

3

Add/Remove job.

4

Execute job.

5

Retrieve job status.

For demo purposes – We are using openVPN as our enterprise VPN server.

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## TECHNOLOGY STACK

### Server Side

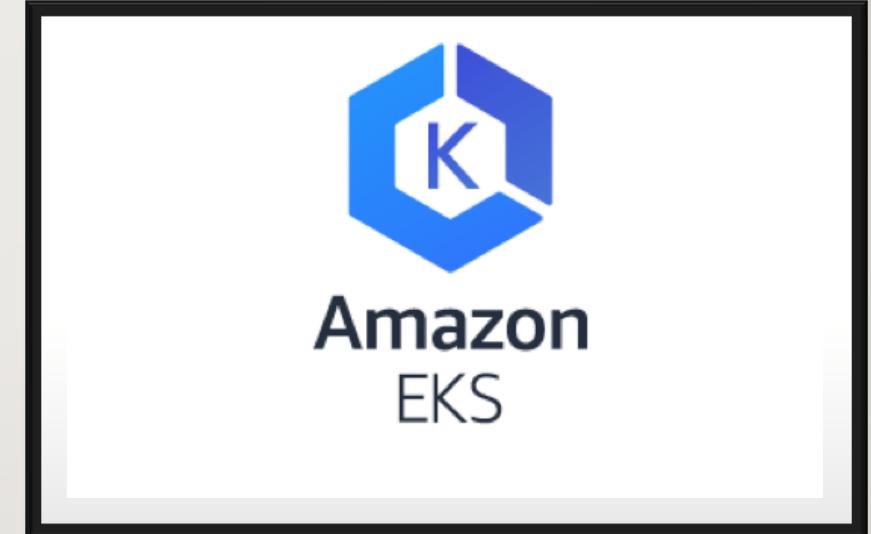
- AWS infrastructure – EKS, DynamoDB.
- Programming language – Python (3-rd party packs – Ansible-runner, Flask).
- Other – Ansible.

### Client Side

- AWS infrastructure – S3, CloudFront.
- Programming language – JavaScript (React framework)

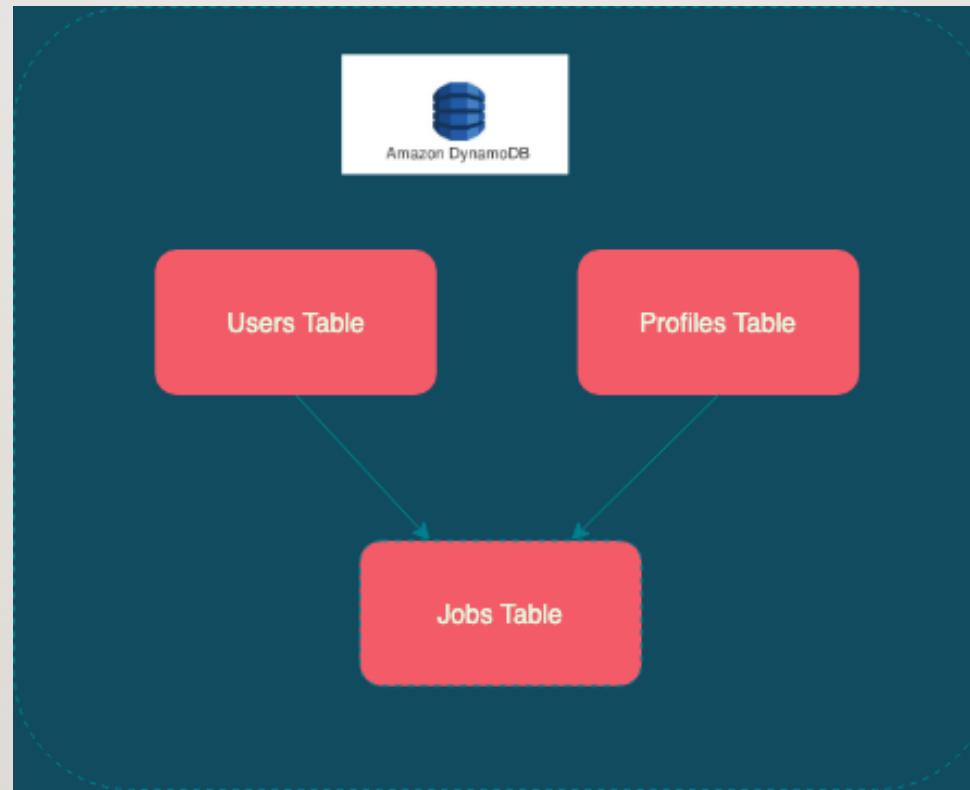
# SERVER SIDE

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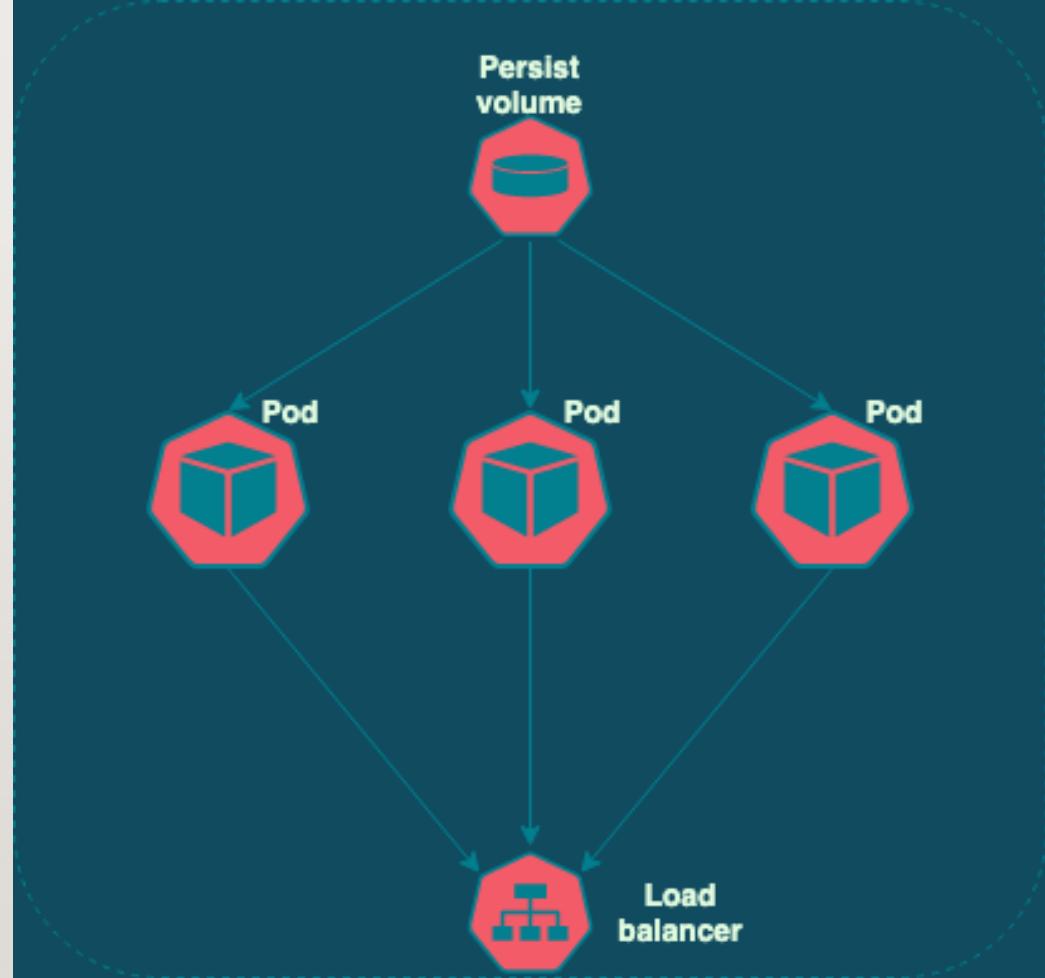
# DynamoDB architecture

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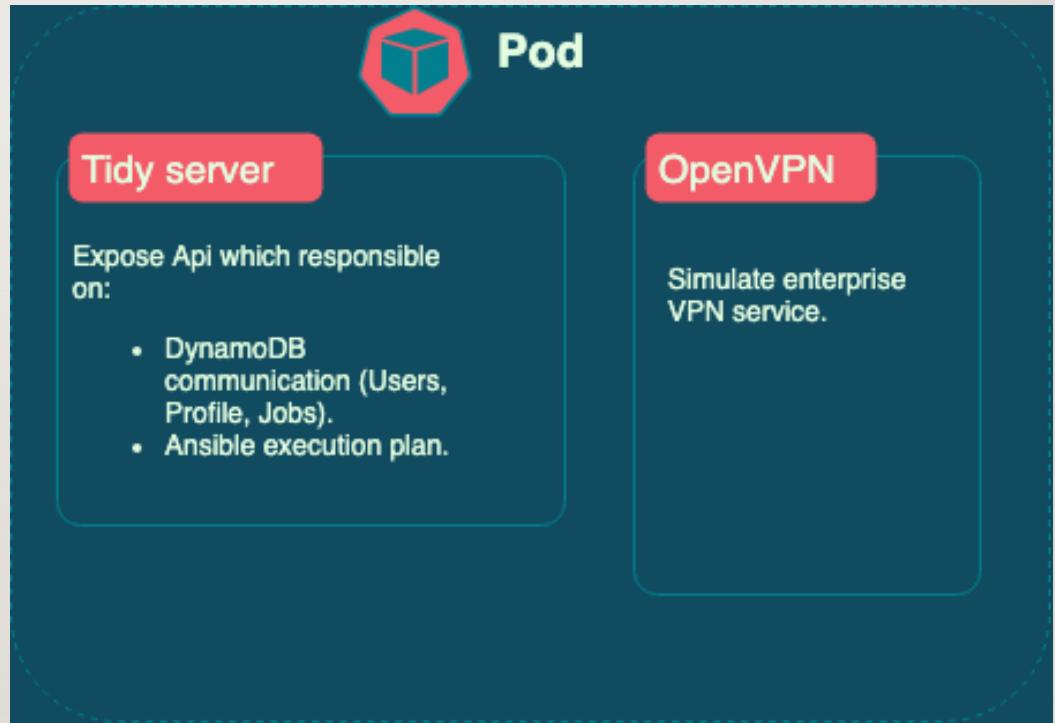
# EKS – OVERVIEW

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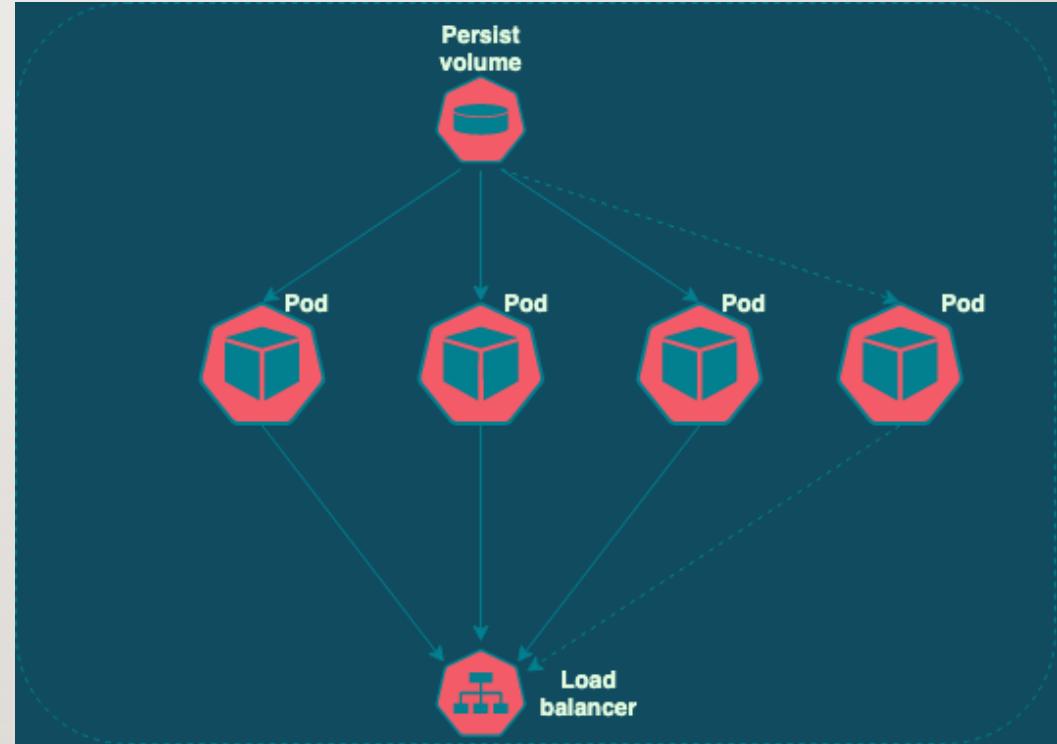
# EKS – PODS

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# EKS – SCALING

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# Server - Code review Infrastructure review

```
    mirror_mod.mirror_object  
  
        operation == "MIRROR_X":  
            mirror_mod.use_x = True  
            mirror_mod.use_y = False  
            mirror_mod.use_z = False  
  
        operation == "MIRROR_Y":  
            mirror_mod.use_x = False  
            mirror_mod.use_y = True  
            mirror_mod.use_z = False  
  
        operation == "MIRROR_Z":  
            mirror_mod.use_x = False  
            mirror_mod.use_y = False  
            mirror_mod.use_z = True  
  
    selection at the end - add  
    mirror_mod.select= 1  
    mirror_mod.select=1  
    context.scene.objects.active  
    ("Selected" + str(modifier))  
    mirror_ob.select = 0  
    bpy.context.selected_objects  
    data.objects[one.name].select  
  
    int("please select exactly one object")  
  
- OPERATOR CLASSES -  
  
types.Operator:  
    X mirror to the selected object.mirror_mirror_x"  
    "mirror X"
```

# CLIENT SIDE

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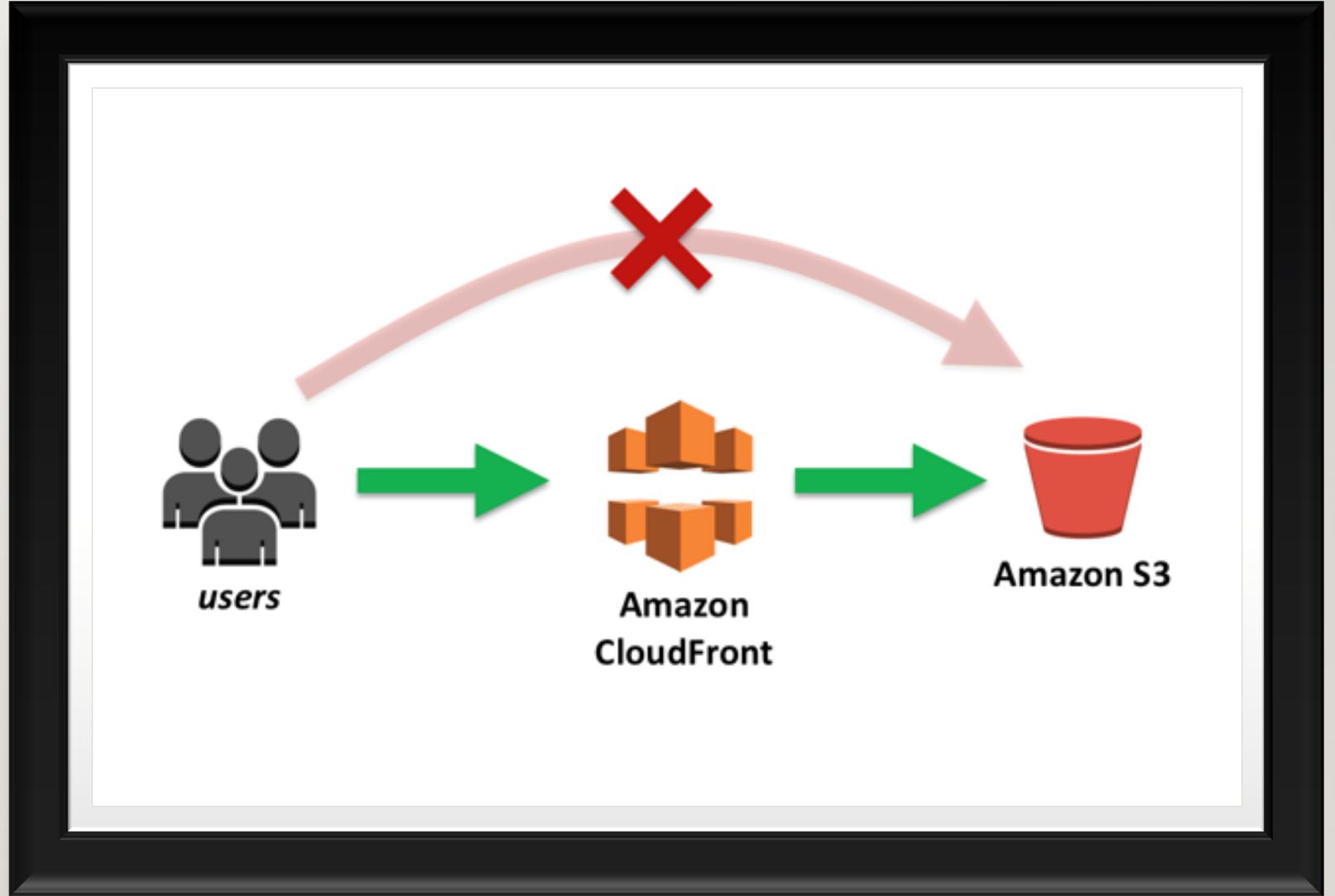
CloudFront



Amazon S3

Hosting a static website  
on Amazon S3 using  
cloud-front

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# Client side - Code review

```
types.Operator):
    X mirror to the selected object.mirror_mirror_x"
    "mirror X"
```