Blue&Green deployment with Docker and Route53
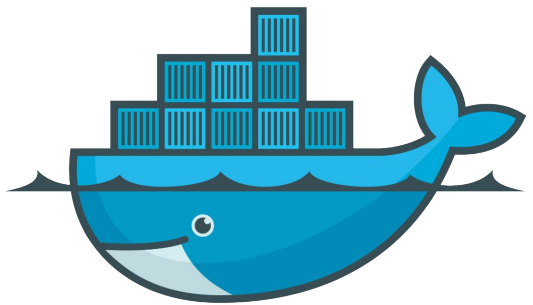
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For whom and what for?
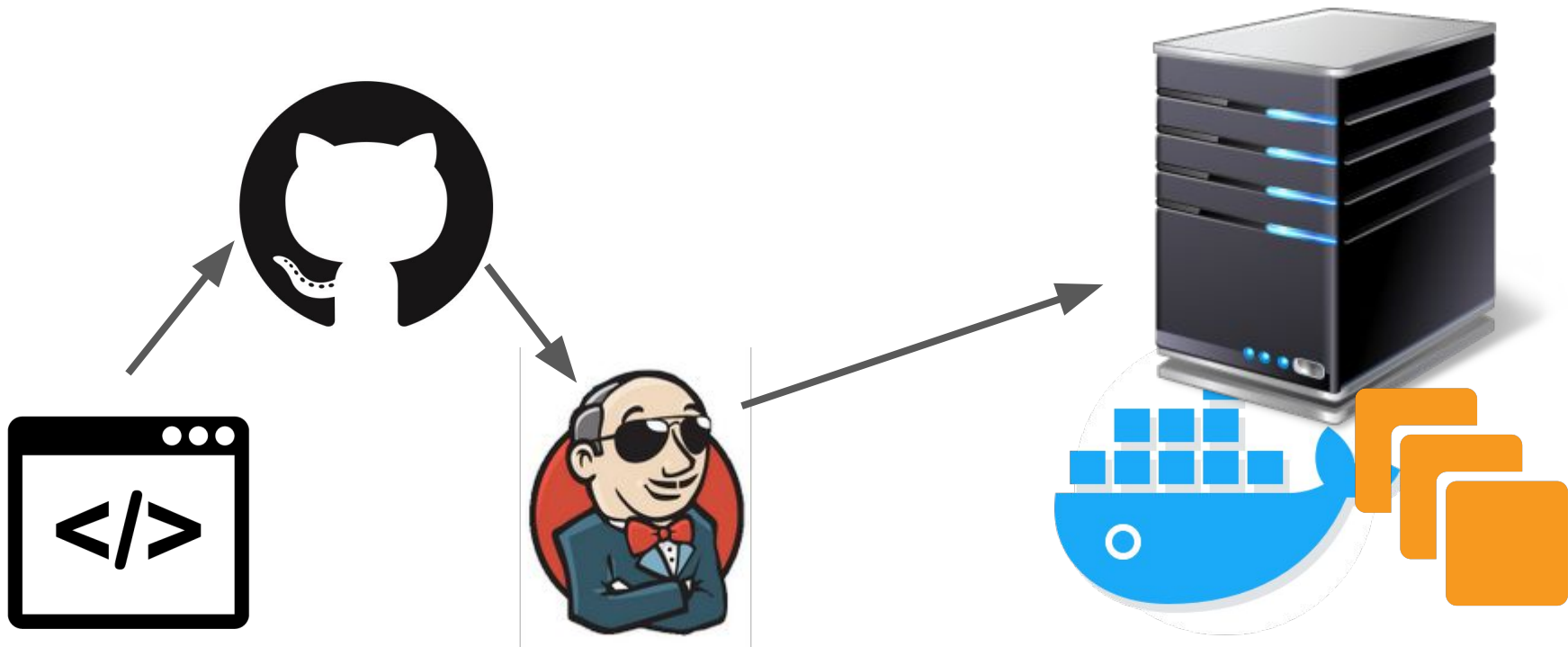
Deployment

Deployment
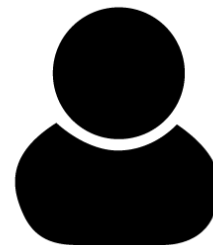
Blue
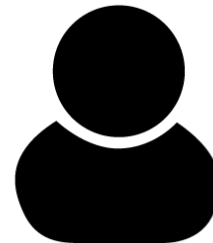
Deployment
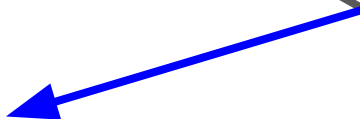
Green

Possible solution

Deployment

Step-by-step

github: https://github.com/dmitrovskiy/docker-route53-blue-green-tutorial

ec2-0-build.sh

```
15    echo ">> Recreating BLUE & GREEN environment ..."
16
17    ./_ec2-node.sh blue &
18    ./_ec2-node.sh green &
19    wait
```

ec2-1-deploy.sh

```
29    . $VERSIONS_CONFIG_FILE

30

31    eval $(docker-machine env "my-app-$ENV-$SAFE")
32    eval $(aws ecr get-login --region us-east-1)

33

34    export ENV_MACHINE_TYPE=$SAFE

35

36    docker-compose pull
37    docker-compose up -d
```

ec2-2-switch.sh

```
12    eval $(aws ecr get-login --region us-east-1)
13
14    ZONE_ID=$(aws route53 list-hosted-zones | jq -r '.HostedZones | .[] | select(.Name == "test.com.") | .Id')
15    DPL_IP_ADDRESS=$(docker-machine ip "my-app-$ENV-$SAFE")
16    DPL_ENV=$ENV
17
18    rm -f ~conf.route53.changes.template
19    cp _conf.route53.changes.template ~conf.route53.changes.template
20
21    sed -i "s|%ENV%|$DPL_ENV|g" ~conf.route53.changes.template
22    sed -i "s|%IP_ADDRESS%|$DPL_IP_ADDRESS|g" ~conf.route53.changes.template
23
24    aws route53 change-resource-record-sets --hosted-zone-id $ZONE_ID --change-batch "file://$(pwd)/~conf.route53.changes.template"
```

Another possible solution
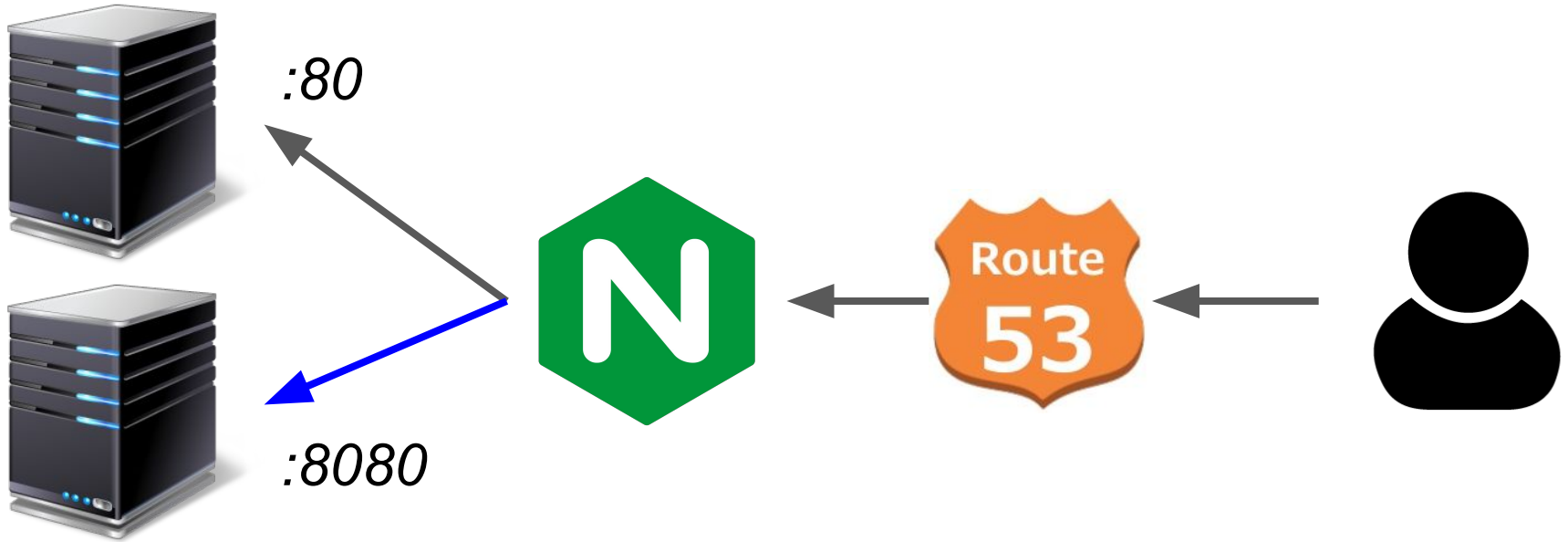
Thank you!

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