**Handbook for the QA\_Play**

* Following package need to install:
  + Java
  + Logrotate
  + Puppet Client
  + MySQL Client
  + Mongo DB
  + Version Lock
  + NPTD package

1. We need to check the following things while creating the play instance :
   1. VPC
   2. Subnet
   3. Security Group
   4. IAM Role
   5. Key Pair
   6. Storage Type : General Purpose 3
2. We Need to add the user data :

#!/bin/bash

instance\_id=$(wget -q -O - http://169.254.169.254/latest/meta-data/instance-id)

short\_name=qa\_play2\_orionis

instance\_ip=$(wget -q -O - http://169.254.169.254/latest/meta-data/local-ipv4)

sed -i 's/10.10/#10.10/g' /etc/hosts

echo "$instance\_ip ${short\_name}.zumigo.com ${short\_name}" >> /etc/hosts

echo "172.45.1.118 puppet.zumigo.com  puppet" >> /etc/hosts

sysctl kernel.hostname=${short\_name}

sed -i 's/HOSTNAME/#HOSTNAME/g' /etc/sysconfig/network;

echo "HOSTNAME=${short\_name}.zumigo.com" >> /etc/sysconfig/network;

exit 0

1. We Need add external storage. Please use following steps:
   1. Create the Volume on the AWS Console
   2. Attach to the play instance
   3. Login to the Play server and make the entry in the fstab
   4. Use the document : <https://devopscube.com/mount-ebs-volume-ec2-instance/>
   5. Create the directory called **zumigo-apps**

* **Package Installation**

1. **Install Java**
   1. Use the document : <https://tecadmin.net/install-java-on-amazon-linux/>
2. Install Logrotate
   1. Please run the following commands:
      1. yum install logrotate – it will install logrotate package.
      2. please make the config changes from existing one.
3. Puppet Client
   1. Use the document : <https://docs.google.com/document/d/11yPMq8tx3bW9FZaoEMe94dTSBXzBfYCq/edit?usp=share_link&ouid=113632209751423502497&rtpof=true&sd=true>
4. MySQL Client
   1. Please run the following command :
      1. sudo yum install -y <https://dev.mysql.com/get/mysql57-community-release-el7-11.noarch.rpm>
      2. sudo yum install -y mysql-community-client
5. Mongo DB
   1. Use the document : <https://www.mongodb.com/docs/manual/tutorial/install-mongodb-on-amazon/>
6. Version Lock
   1. Use the Document : <https://www.cyberciti.biz/faq/centos-redhat-fedora-yum-lock-package-version-command/>
7. NPTD package
   1. Please run the following package :
      1. yum install ntp -y
      2. vi /etc/ntp.conf – Please copy the existing config.
      3. systemctl restart ntpd
      4. systemctl enable ntpd

* **Data Copy**

1. Please create user :- play
2. Please create group :- apps
3. Please copy the tarball to new server and extract it.
4. Check the userwise data remove the .ssh directory.
5. Copy the data.

**OR**

1. Check the userwise data and move it. It will ask for the overwrite then yes -> enter

* **Checkpoints**

1. Please create the .aws Profile.
2. Please check the puppet communication.
3. Please check the file permission and owner.
4. Please check the logrotate config files.
5. Please check the ntp config file.
6. Please create alias for the Mongo DB and Mysql.
7. Compare the following files:
   1. Compare play-application.conf
   2. Compare play-logger.xml
   3. Compare auditd.conf
8. Please check the cronjobs.
9. Please add the limits in limit.conf
   1. Like…

\*       soft    nofile   25000

\*       hard    nofile   75000

* **Call**

1. Play call from localhost:

curl --location --request POST '<http://localhost:9000/zumigows/getLineIdentity>' \

--header 'Content-Type: application/json' \

--header 'Accept: application/json' \

--header 'clientId: TESTOPS' \

--header 'Authorization: Basic dGVzdE9wczp0ZXN0T3BzMSE=' \

--data-raw '{

    "mdn": "14084558988",

    "consent":

    {

        "optinId": "1234567890",

        "optinVersionId": "Consent V1.0.1234",

        "optinType": "whitelist",

        "optinMethod": "TCO",

        "optinDuration": "ONE",

        "optinTimestamp": "2020-10-29T06:07:28.555Z"

    },

    "options":

    {

        "deviceChangeInfo": "true"

    }

}'

1. If we try from laptop after connecting to the VPN:

curl --location --request POST '[https://apiqa.zumigo.com/zumigows/getLineIdentity](http://localhost:9000/zumigows/getLineIdentity)' \

--header 'Content-Type: application/json' \

--header 'Accept: application/json' \

--header 'clientId: TESTOPS' \

--header 'Authorization: Basic dGVzdE9wczp0ZXN0T3BzMSE=' \

--data-raw '{

    "mdn": "14084558988",

    "consent":

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        "optinId": "1234567890",

        "optinVersionId": "Consent V1.0.1234",

        "optinType": "whitelist",

        "optinMethod": "TCO",