Article

Kate Lau · Mar 15, 2023 2m read

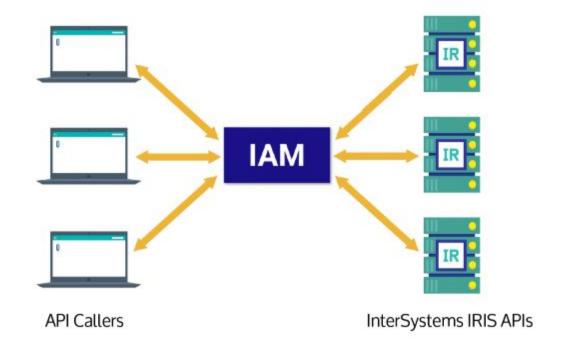
Walk through of deploying InterSystems API Manager (IAM) on AWS EC2

In this article, I am trying to walk through my deploying step of IAM on my EC2(ubuntu).

What is IAM?

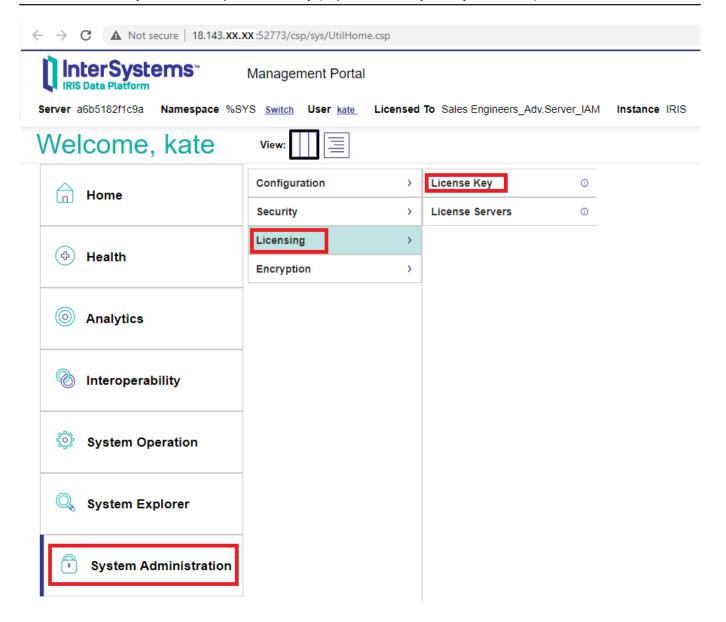
IAM is InterSystems API Manager you may reference to the link below to get more idea about IAM

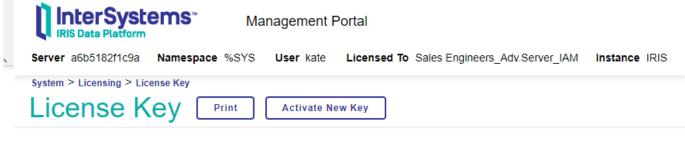
https://docs.intersystems.com/components/csp/docbook/Doc.View.cls?KEY=PAGEapimgr



Before deploying IAM

Check the license of your API host

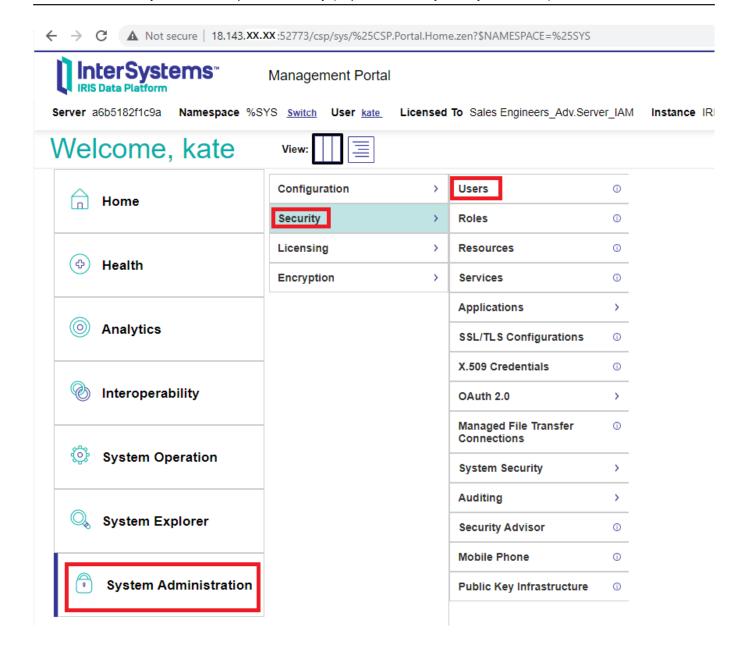


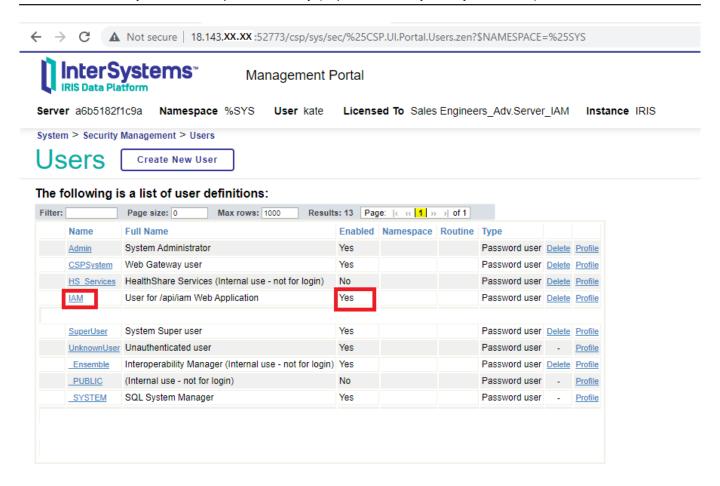


Current license key information for this system:



Enable the User IAM





Deploy IAM

Reference

https://community.intersystems.com/post/introducing-intersystems-api-manager

Download the image from the following link

https://wrc.intersystems.com/wrc/coDistGen.csp

I downloaded the following version to my pc



Upload the image to my EC2

I use the command scp to upload the image to my cloud

```
PS C:\Users\ki
3.0.2.0-4.tar.gz ubuntu@18.141. :/home/ubuntu/fromSCP
The authenticity of host '18.141. (18.141. )' can't be established.

ECDSA key fingerprint is SHA256:Ve432COVEi0+3665/Nz/CX2wA2pvQ+CMLJimgbaO/yg.
Are you sure you want to continue connecting (yes/no/[fingerprint])?
Warning: Permanently added '18.141. (ECDSA) to the list of known hosts.

IAM-3.0.2.0-4.tar.gz 100% 180MB 514.9KB/s 05:58
```

Make sure docker and docker compose are installed

If not, please reference to the following link

https://docs.docker.com/engine/install/ubuntu/

Untar the image file

tar zpxvf IAM-3.0.2.0-4.tar.gz

```
ubuntu@ip-172-31-
                      :~$ docker compose version
                                                          make sure docker compose is there
Docker Compose version
                       v2.16.0
ubuntu@ip-172-31-
                       ~$ mkdir iris
                                                                            copy the image to
                       ~$ cd iris/
ubuntu@ip-172-31-
ubuntu@ip-172-31-
                       ~/iris$ cp ../fromSCP/IAM-3.0.2.0-4.tar.qz ./
                                                                            my current directory
ubuntu@ip-172-31-
                       ~/iris$ tar zpxvf IAM-3.0.2.0-4.tar.gz
IAM/
IAM/scripts/
IAM/scripts/iam-upgrade-db/
IAM/scripts/iam-upgrade-db/scripts/
IAM/scripts/iam-upgrade-db/scripts/docker-upgrade
IAM/scripts/iam-upgrade-db/scripts/docker-compose.yml
IAM/scripts/iam-upgrade-db/scripts/Dockerfile
IAM/scripts/iam-upgrade-db/README.md
IAM/scripts/iam-setup.sh
IAM/scripts/iam-test.sh
IAM/scripts/docker-compose.yml
IAM/readme.txt
IAM/EULA.pdf
IAM/iam image.tar
ubuntu@ip-172-31-
                      :~/iris$ cd IAM/
ubuntu@ip-172-31
                       ~/iris/IAM$ ls
                                                 and list the items inside
EULA.pdf
                         readme.txt scripts
ubuntu@ip-172-31-
                      :~/iris/IAM$
```

Load the image into docker

sudo docker load -i iamimage.tar

```
:~/iris$ cd IAM/
ubuntu@ip-172-31-
ubuntu@ip-172-31
                       ~/iris/IAM$ ls
EULA.pdf
                         readme.txt
                                                                        load the image into dod
                      :~/iris/IAM$ sudo docker load -i iam_image.tar
ubuntu@ip-172-31-
ded7a220bb05: Loading
                                                                                     7.338MB/7.338MB
                      layer
eaf02a0b2219: Loading
                                                                                     85.36MB/85.36MB
                      layer
73d2e8a6efbf: Loading
                                                                                     388.3MB/388.3MB
                      layer
29f4f1e5112c: Loading layer
                                                                                     3.584kB/3.584kB
0a2c0faeff92: Loading
                                                                                     201.2kB/201.2kB
                      layer
8449ee4c1302: Loading
                      layer
                                                                                     356.4kB/356.4kB
fa649321bf1d: Loading
                                                                                     13.31kB/13.31kB
1c4494e2042c: Loading
                                                                                     20.99kB/20.99kB
                      layer
77c4729e56c3: Loading layer
                                                                                      12.8kB/12.8kB
eca871f802da: Loading laver
                                                                                     4.096kB/4.096kB
Loaded image: intersystems/iam:3.0.2.0-4
ubuntu@ip-172-31-
                      :~/iris/IAM$
```

Run the iam-setup.sh

source ./iam-setup.sh

```
whuntudip-172-31-23-81:/iii/IAM/Scripts Is change the directory to scripts whuntudip-172-31-23-81:/iii/IAM/Scripts Is change the directory to scripts whuntudip-172-31-23-81:/iii/IAM/Scripts source /iam-setup.sh whuntudip-172-31-23-81:/iii/IAM/Scripts source /iam-setup.sh whuntudip-172-31-23-81:/iii/IAM/Scripts source /iam-setup.sh whuntudip-172-31-23-81:/iii/IAM/Scripts source /iam-setup.sh whuntudip-172-31-36:III/IIII/IAM/Scripts source /iam-setup.sh who come to the Intersystems IRIS and Intersystems API Manager (IAM) setup script.

This script sets the ISC_IRIG_UNI environment variable that is used by the IAM container to get the IAM license key from InterSystems IRIS. Exter the Full image repository, name and tag for your IAM docker image:

This script sets the ISC_IRIG_UNI environment variable that is used by the IAM container to get the IAM license key from InterSystems IRIS. States the IAM license is the IAM license in IXI and Intersystems IRIS antanees. The IAM diverse has to be accessible from within the IAM container, therefore, do not use "localhost" or "127. Intersystems/iam:3.0.2.0-1 | loaded image name, from pervious step later the IP address for your Interdystems IRIS instance. The IAM diverse has to be accessible from within the IAM container, therefore, do not use "localhost" or "127. Intersystems IAM license when your Intersystems IRIS instance. The IAM diverse has to be accessible from within the IAM container, therefore, do not use "localhost" or "127. Intersystems IAM user for your Interdystems IRIS instance. The IAM user for your Interdystems IRIS instance. IAM user for your Interdystems IRIS instance. IAM user for your Interdystems IRIS instance. IAM intersystems IRIS instance. IAM intersystems IRIS instance is only accessible via its CSPConfigName URL prefix, please provide the prefix with a trailing slash (/) now. Otherwise hit "Return":

If your Intersystems IRIS instance is any your IAM docker image:

IAM IAM User to continue with these inputs (y/n)?

Command to create/remove the conta
```

Edit the file: docker-compose.yml

In order to let us visit the IAM UI from the environment outside the EC2, replace the localhost by the EC2 public address in the parameter KONGPORTALGUIHOST and KONGADMINGUIURL

vi docker-compose.yml

```
iam:
  image: intersystems/iam:3.0.2.0-4
 depends on:
    - db
 environment:
   KONG ADMIN ACCESS LOG: /dev/stdout
   KONG ADMIN ERROR LOG: /dev/stderr
   KONG ADMIN LISTEN: '0.0.0.0:8001'
   KONG ANONYMOUS REPORTS: 'off'
   KONG CASSANDRA CONTACT POINTS: db
                                                  Update the address
   KONG DATABASE: postgres
    KONG PG DATABASE: ${KONG PG DATABASE:-iam}
                                                  to your EC2 public
   KONG PG HOST: db
                                                  Address (for visit the
    KONG PG PASSWORD: $ { KONG PG PASSWORD: -iam }
   KONG PG USER: ${KONG PG USER:-iam}
                                                  UI ftom outside)
   KONG PROXY ACCESS LOG: /dev/stdout
    KONG PROXY ERROR LOG: /dev/stderr
    KONG PORTAL: 'on'
    KONG PORTAL GUI PROTOCOL: http
    KONG PORTAL GUI HOST: ' yourEC2publicAddress: :8003'
    KONG ADMIN GUI URL:
                        http://yourEC2publicAddress::8002
```

Start the container

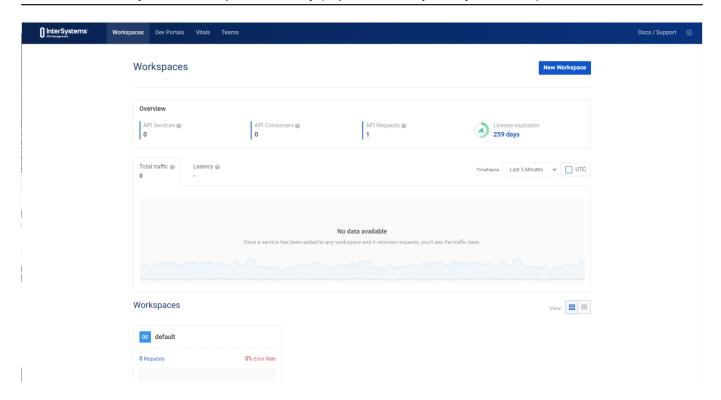
sudo docker compose up -d



Check the IAM UI

You can access the UI of the IAM by the following link

http://yourEC2publicAddress:8002/overview



#AWS #Cloud #InterSystems API Manager (IAM) #InterSystems IRIS #InterSystems IRIS for Health

Source

URL: https://community.intersystems.com/post/walk-through-deploying-intersystems-api-manager-iam-aws-ec2