

Bring your own Edge Device

Lab Exercise Guide



Markus Keppeler
Senior IT Specialist
Markus.Keppeler@de.ibm.com

Jochen Schneider
Senior IT Specialist
Jochen.Schneider@de.ibm.com

Jörg Wende
Senior IT Specialist
Joerg.Wende@de.ibm.com

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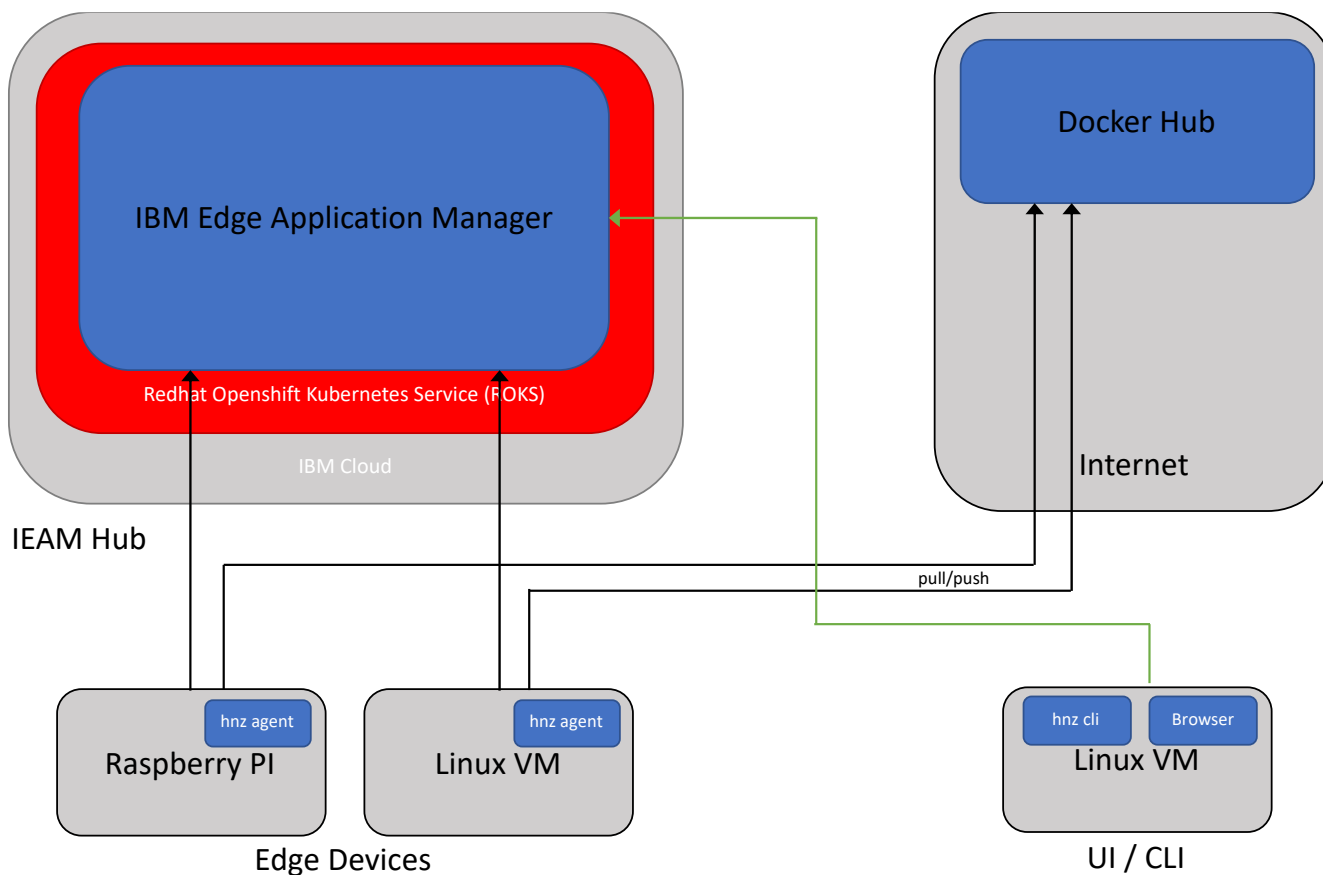
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1 Introduction

The lab documentation can be found at <https://mkeppeler.github.io/think-labs/>

1.1 High Level Architecture

The high-level architecture for the environment used for this lab may be summarized as follows:



1.2 Lab-Sections

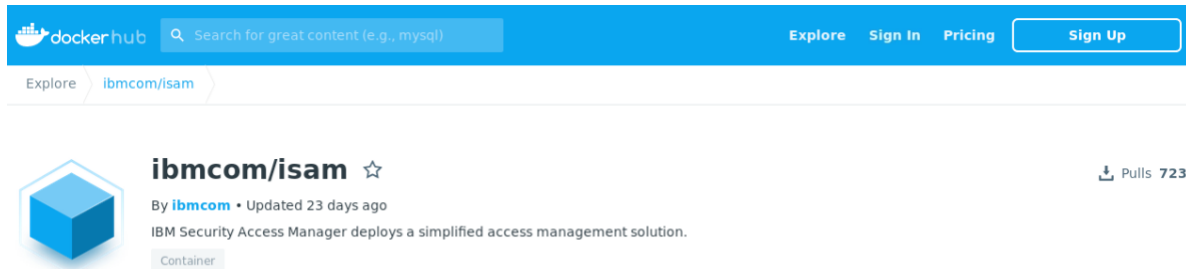
- Overview
- Requirements
- Edge Application Manager
- Connect your Device
- Create an Edge Service
- Deploying a Service 1
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- Model Management System
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- Summary

2 Getting Started

Start with the lab...

You can use your own Raspberry PI or work with the Linux VM we provide

Manage your docker hub account at <https://hub.docker.com/>



We recommend use bash command line window:

```
[ibmuser@rhel ~]$ echo "${BASH_VERSION}"  
3.2.57(1)-release
```


3 Credentials

3.1 CLI

```
export CLUSTER_URL=https://cp-console.edge-795953-5f0f42fe3db8514d8af852972fa2008f-0000.eu-de.containers.appdomain.cloud
```

```
export HZN_DEVICE_ID=user1
export HZN_EXCHANGE_USER_AUTH=iamapikey:<api-key>
export HZN_ORG_ID=edgedemo
export HZN_FSS_CSSURL=${CLUSTER_URL}/edge-css
export HZN_EXCHANGE_URL==${CLUSTER_URL}//edge-exchange/v1
```

Username	Password	API-Key
user1	edgeuser	
user2	edgeuser	
user3	edgeuser	
...	...	
user40	edgeuser	

3.2 Browser

<https://cp-console.edge-795953-5f0f42fe3db8514d8af852972fa2008f-0000.eu-de.containers.appdomain.cloud/edge>

3.3 Cloudctl

```
export IAM_USER=<username>
export IAM_PWD=edgeuser
cloudctl login -a https://cp-console.edge-795953-5f0f42fe3db8514d8af852972fa2008f-0000.eu-de.containers.appdomain.cloud -u $IAM_USER -p $IAM_PWD -c id-mycluster-account --skip-ssl-validation -n ibm-edge
```