

SPRINT 3

TEAM ID: PNT2022TMID29830

INVENTORY MANAGEMENT SYSTEM FOR RETAILERS

OUTPUT

Ibm db2

The screenshot shows the IBM Db2 on Cloud web interface. The top navigation bar includes tabs for Load Data, Load History, Tables, Views, Indexes, Aliases, MQTs, Sequences, and Application objects. The main content area is divided into two panels. The left panel, titled 'Schemas', shows a table with columns 'Name', 'Type', and 'Tables'. It contains one entry: 'TFC22793' with Type 'User' and 4 Tables. The right panel, titled 'Tables', shows a table with columns 'Name', 'Schema', and 'Properties'. It contains four entries: 'CUSTOMER', 'INVENTORY', 'RETAILER', and 'SHOPKEEPER', all under the 'TFC22793' schema. A 'New table' button is visible in the top right of the Tables panel.

Name	Type	Tables
TFC22793	User	4

Name	Schema	Properties
CUSTOMER	TFC22793	...
INVENTORY	TFC22793	...
RETAILER	TFC22793	...
SHOPKEEPER	TFC22793	...

The screenshot shows the IBM Db2 on Cloud web interface displaying the data for the 'TFC22793.INVENTORY' table. The table has four columns: 'PRODUCTID', 'PRODUCTNAME', 'QUANTITY', and 'PRICE'. The data is as follows:

PRODUCTID	PRODUCTNAME	QUANTITY	PRICE
10	lenovo pc fhd webcam	10	2000
2	zebronics companion 104 wireless keyboard	10	380
3	zeb juke bar 3901	17	2000
4	sony inzone m9 monitor	2	2000
5	samsung monitor m8	10	2500
6	intel core i7 13700k 13th gen	10	25000
7	zebronics zeb-dazzle wireless mouse	1	2000
8	tp-link pc- usb bluetooth adaptor	10	200
9	zeb usb 150wf1 wifi adaptor	10	200

Docker (implementation)

The image shows a screenshot of a web browser displaying the Docker Hub repository page for `rishiragur/inventory-retailer`. The page includes a description, Docker commands, tags and scans, and automated builds. Below the browser window, a Windows PowerShell terminal window is open, showing the execution of the `docker build -t inventory_retailer .` command. The terminal output displays the build progress, including the loading of the Dockerfile, context transfer, and the final image naming.

Docker Hub Repository: rishiragur/inventory-retailer

Description: main project
Last pushed: a few seconds ago

Docker commands: To push a new tag to this repository, use `docker push rishiragur/inventory-retailer:tagname`

Tags and scans: VULNERABILITY SCANNING - DISABLED (Enable)
This repository is empty. When it's not empty, you'll see a list of the most recent tags here.

Automated Builds: Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating. Available with Pro, Team and Business subscriptions.

Windows PowerShell Terminal Output:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\RISHI\Desktop\ibm main\Inventory Management System\Inventory management system> docker build -t inventory_retailer
"docker build" requires exactly 1 argument.
See 'docker build --help'.

Usage: docker build [OPTIONS] PATH | URL | -

Build an image from a Dockerfile
PS C:\Users\RISHI\Desktop\ibm main\Inventory Management System\Inventory management system> docker build -t inventory_retailer .
[*] Building 3.4s (11/11) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 184B                                              0.0s
=> [internal] load .dockerignore                                                  0.0s
=> => transferring context: 2B                                                  0.0s
=> [internal] load metadata for docker.io/library/python:3.10.7                3.0s
=> [auth] library/python:pull token for registry-1.docker.io                   0.0s
=> [internal] load build context                                                 0.2s
=> => transferring context: 1.21MB                                              0.1s
=> [1/5] FROM docker.io/library/python:3.10.7@sha256:53e577284d362233ee92aeb5119449271f5eb24f99c61464efe9167ddbc8648f
=> CACHED [2/5] WORKDIR /app                                                    0.0s
=> CACHED [3/5] COPY requirements.txt ./                                         0.0s
=> CACHED [4/5] RUN pip install -r requirements.txt                             0.0s
=> [5/5] COPY . .                                                                0.0s
=> exporting to image                                                            0.1s
=> => exporting layers                                                            0.0s
=> writing image sha256:4f8ad242585deb1b339c5a6e38cb13ff9d41182f0a138543e0bbac542f67284a
=> => naming to docker.io/library/inventory_retailer                           0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\RISHI\Desktop\ibm main\Inventory Management System\Inventory management system>
```

latest: digest: sha256:d2220a5f535554bd4c0e0794ef0bb731d74e41a048f1734d0320e8fdb77285 size: 3054

Images [Give feedback](#)

LOCAL REMOTE REPOSITORIES

NAME	VERSION	SIZE	AGE	SIZE
k8s.gcr.io/coredns	v1.9.3	5185b96f0bec	6 months ago	48.8 MB
k8s.gcr.io/etcd	3.5.4-0	a8a176a5d5d6	6 months ago	299.52 MB
k8s.gcr.io/kube-apiserver	v1.25.2	97801f839490	about 2 months ago	127.73 MB
k8s.gcr.io/kube-controller-man...	v1.25.2	dbfceb93c69b	about 2 months ago	117.1 MB
k8s.gcr.io/kube-proxy	v1.25.2	1c7d8c51823b	about 2 months ago	61.69 MB
k8s.gcr.io/kube-scheduler	v1.25.2	ca0ea1ee3cfd	about 2 months ago	50.58 MB
k8s.gcr.io/pause	3.8	4873874c08ef	5 months ago	711.18 KB
kubernetesui/dashboard	v2.6.1	783e2b6d87ed	3 months ago	245.72 MB
kubernetesui/metrics-scraper	v1.0.8	115053965e86	6 months ago	43.82 MB
rishiragulr	latest	4f8ad242585d	20 minutes ago	933.99 MB
rishiragulr/docker_kuber	latest	1e9061bb8c7c	9 days ago	932.79 MB
rishiragulr/flask-docker	latest	5d844c12d2ef	10 days ago	932.79 MB
rishiragulr/inventory-retailer	latest	4f8ad242585d	20 minutes ago	933.99 MB

RAM 3.37GB CPU 9.51% Connected to Hub v4.13.1

```
API endpoint: https://cloud.ibm.com
Region: eu-de
User: 610519104082@smartinternz.com
Account: Rishi Ragul R's Account (68a0040c508e44ffa939b9db1044d350)
Resource group: No resource group targeted, use 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:
PS C:\Users\RISHI\Desktop\ibm main\Inventory Management System\Inventory management system> ibmcloud cr login
Logging 'docker' in to 'de.icr.io'...
Logged in to 'de.icr.io'.

OK
PS C:\Users\RISHI\Desktop\ibm main\Inventory Management System\Inventory management system> ibmcloud cr images
Listing images...

You have no images in the namespaces for this account, or you are not authorized to view any namespaces for this account.
Push an image, or ensure that the IAM access policy for this account grants you Reader or Manager access to at least one namespace.
To see IBM-provided images, target the global registry by using 'C:\Program Files\IBM\Cloud\bin\ibmcloud.exe cr region-set global' and then run 'C:\Program
Files\IBM\Cloud\bin\ibmcloud.exe cr image-list --include-ibm'.

PS C:\Users\RISHI\Desktop\ibm main\Inventory Management System\Inventory management system> docker tag inventory_retailer de.icr.io/in-re/inventory-managemen
t
PS C:\Users\RISHI\Desktop\ibm main\Inventory Management System\Inventory management system> docker push de.icr.io/in-re/inventory-management
Using default tag: latest
The push refers to repository [de.icr.io/in-re/inventory-management]
2cca83ea8a7c: Pushed
502017b0bc07: Pushed [=====>] 102.9MB/196MB
2d8195d77bb7: Pushed
b9c0c0fe7120: Pushed
cf399be488ea: Pushed
793b971ccb99: Pushed
d172a9e6f9e6: Pushed
0c7daf9a72c8: Pushed
75ba02937496: Pushing [==>] 28.08MB/528.9MB
288cf3a46e32: Pushing [=====>] 80.45MB/152MB
186da837555d: Pushing [=====] 3.213MB/18.95MB
955c9335e041: Pushing [=====] 5.445MB/10.7MB
8e079fee2186: Waiting
```

```
Windows PowerShell
Org:
Space:
PS C:\Users\RISHI\Desktop\ibm main\Inventory Management System\Inventory management system> ibmcloud cr login
Logging 'docker' in to 'de.icr.io'...
Logged in to 'de.icr.io'.

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nt
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Using default tag: latest
The push refers to repository [de.icr.io/in-re/inventory-management]
2cca83ea0a7c: Pushed
502017b0bc07: Pushed
2d8196d9bbe7: Pushed
b0c0c0fc7120: Pushed
cf399be408ea: Pushed
793b971ccb99: Pushed
d172a9e6f9e6: Pushed
8c7daf9a72c8: Pushed
75ba02937496: Pushed
288cf3a46e32: Pushed
186da837555d: Pushed
955c9335e041: Pushed
8e079fee2186: Pushed
latest: digest: sha256:1b063ca607055ae9bee4e04f88c7ca9f16dfb01c6bf2c2ea6a15a3c005cbf192 size: 3055
PS C:\Users\RISHI\Desktop\ibm main\Inventory Management System\Inventory management system> ibmcloud cr images
Listing images...

Repository          Tag      Digest          Namespace   Created      Size      Security status
de.icr.io/in-re/inventory-management  latest  1b063ca60705    in-re      23 minutes ago  451 MB    -

OK
PS C:\Users\RISHI\Desktop\ibm main\Inventory Management System\Inventory management system>
```

IBM Cloud Container Registry - 1 x Docker Hub x python - Why is there no tkinter x IBM Cloud Container Registry - 1 x +

cloud.ibm.com/registry/repos

IBM IBM Cloud Loading... SendGrid Groww Kubernetes Dashbo... Docker Hub ColorSpace - 3 Col... icons

IBM Cloud

Search resources and products...

Container Registry

Quick start

Namespaces 1

Repositories 1

Images 1

Trash 0

Settings

Repositories

Location

Frankfurt

Search

Create +

<input type="checkbox"/>	Name	Image count	Namespace	Last updated	
<input checked="" type="checkbox"/>	inventory-management de.lcr.io/in-re/inventory-management	1	in-re	26 minutes ago	

Items per page: 25 1-1 of 1 item 1 1 of 1 page

IBM Cloud Container Registry - 1 x Docker Hub x python - Why is there no tkinter x IBM Cloud Container Registry - 1 x +

cloud.ibm.com/registry/namespaces

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Resource group: Filter... Search

Create +

<input type="checkbox"/>	Name	Resource group	Repository count	Image count	Retention policy	
<input checked="" type="checkbox"/>	in-re	Default	1	1	Retain all images	

Items per page: 25 1-1 of 1 item 1 1 of 1 page

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Logging 'docker' in to 'de.icr.io'...
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cf399be408ea: Pushed
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d172a9e6f9e6: Pushed
8c7daf9a72c8: Pushed
75ba02937496: Pushed
288cf3a46e32: Pushed
186da837555d: Pushed
955c9335e041: Pushed
8e079fee2186: Pushed
latest: digest: sha256:1b063ca607055ae9bee4e04f88c7ca9f16dfb01c6bf2c2ea6a15a3c005cbf192 size: 3055
PS C:\Users\RISHI\Desktop\ibm main\Inventory Management System\Inventory management system> ibmcloud cr images
Listing images...

Repository          Tag      Digest          Namespace   Created      Size      Security status
de.icr.io/in-re/inventory-management latest  1b063ca60705    in-re      23 minutes ago 451 MB    -

OK
PS C:\Users\RISHI\Desktop\ibm main\Inventory Management System\Inventory management system>
```