Db2 setup

[db2inst1@perf-cluster-2-db2 ~]$ db2 connect to mall

   Database Connection Information

Database server        = DB2/LINUXX8664 11.5.0.0

SQL authorization ID   = DB2INST1

Local database alias   = MALL

[db2inst1@perf-cluster-2-db2 ~]$ db2 list applications

Auth Id  Application    Appl.      Application Id                                                                                                                                                              DB       # of

         Name           Handle                                                                                                                                                                                 Name    Agents

-------- -------------- ---------- ---------------------------------------------                                                                                                             ----------------- -------- -----

DB2INST1 db2bp          464        \*LOCAL.db2inst1.210430123833                                                                                                                                                MALL     1

WCS      db2bp          423        \*LOCAL.db2inst1.210430122820                                                                                                                                                MALL     1

[db2inst1@perf-cluster-2-db2 ~]$

1. Set up db2

Table

Description automatically generated

1. Installed gcloud for powershell

https://cloud.google.com/sdk/gcloud/reference?hl=en\_US

C:\Users\pravinprakash.patil\AppData\Local\Google\Cloud SDK>**gcloud auth login**   
**Your browser has been opened to visit:**

<https://accounts.google.com/o/oauth2/auth?response_type=code&client_id=32555940559.apps.googleusercontent.com&redirect_uri=http%3A%2F%2Flocalhost%3A8085%2F&scope=openid+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fuserinfo.email+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcloud-platform+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fappengine.admin+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Fcompute+https%3A%2F%2Fwww.googleapis.com%2Fauth%2Faccounts.reauth&state=TJgAuhKf1bOioTFp9yddAh3YkFogq2&access_type=offline&code_challenge=Ey8TaqUFbyNObApGoFFT-trZzsYhYIUv5VCRgfGvK9E&code_challenge_method=S256>

You are now logged in as [[**pravinprakash.patil@hcl.com**](mailto:pravinprakash.patil@hcl.com)].   
Your current project is [**commerce-product**].

gcloud init

[3/29 8:42 PM] Raimee Stevens

gcloud compute ssh <vm name> --zone us-east1-b --project commerce-product

[3/29 8:47 PM] Raimee Stevens

<https://cloud.google.com/compute/docs/disks/add-persistent-disk>

Creating and attaching a disk  |  Compute Engine Documentation

Learn how to create and attach or mount disk volumes on Windows and Linux instances

cloud.google.com

• [root@perf-cluster-1-db2-1 universal]# ./db2prereqcheck | tee /tmp/db2prereqcheck   
Install missing prerequistes:   
• [root@perf-cluster-1-db2-1 universal]# yum install libstdc++   
• [root@perf-cluster-1-db2-1 universal]# yum install libaio   
• [root@perf-cluster-1-db2-1 universal]# yum install gcc-c++

• [root@perf-cluster-1-db2-1 universal]# ./db2setup -r /mnt/disks/db/db2/db2ese.rsp   
Requirement not matched for DB2 database "Server" . Version: "11.1.4.5".

Summary of prerequisites that are not met on the current system:

DBT3514W The db2prereqcheck utility failed to find the following 32-bit library file: "/lib/libpam.so\*".

DBT3514W The db2prereqcheck utility failed to find the following 32-bit library file: "libstdc++.so.6".

DBI1191I db2setup is installing and configuring DB2 according to the   
response file provided. Please wait.

The execution completed with warnings.

For more information see the DB2 installation log at   
"/tmp/db2setup.182069.log".

[root@perf-cluster-1-db2-1 db]# adduser wcs   
[root@perf-cluster-1-db2-1 db]# passwd wcs   
Changing password for user wcs.   
New password: wcs1   
BAD PASSWORD: The password is shorter than 8 characters   
Retype new password:

• Create DB on new device:   
[db2inst1@perf-cluster-1-db2 ~]$ db2 create db mall on /mnt/disks/db/dbpath/ dbpath on /mnt/disks/db/dbpath/

[4/7 8:48 PM] Raimee Stevens

• Copy DB server from gcloud bucket sudo gsutil cp gs://hclinstallfiles/MALL.0.db2inst1.DBPART000.20200623153451.001 /db2/db\_backups/

• Restore the db [db2inst1@perf-cluster-1-db2 db\_backups]$ db2 restore db mall SQL2523W  Warning!  Restoring to an existing database that is different from the database on the backup image, but have matching names. The target database will be overwritten by the backup version.  The Roll-forward recovery logs associated with the target database will be deleted. Do you want to continue ? (y/n) y

• Update logpath [db2inst1@perf-cluster-1-db2 db\_backups]$ db2 update db cfg for mall using NEWLOGPATH /mnt/disks/db/dblogpath/ DB20000I  The UPDATE DATABASE CONFIGURATION command completed successfully. SQL1363W  One or more of the parameters submitted for immediate modification were not changed dynamically. For these configuration parameters, the database must be shutdown and reactivated before the configuration parameter changes become effective.

• Start and stop the DB

[db2inst1@perf-cluster-1-db2 db\_backups]$ db2stop force 08/19/2020 15:43:53     0   0   SQL1064N  DB2STOP processing was successful. SQL1064N  DB2STOP processing was successful. [db2inst1@perf-cluster-1-db2 db\_backups]$ db2start SQL8007W  There are "60" day(s) left in the evaluation period for the product "DB2 Advanced Enterprise Server Edition". For evaluation license terms and conditions, refer to the License Agreement document located in the license directory in the installation path of this product. If you have licensed this product, ensure the license key is properly registered. You can register the license by using the db2licm command line utility. The license key can be obtained from your licensed product CD. 08/19/2020 15:43:58     0   0   SQL1063N  DB2START processing was successful.

• Upgrade to current fix pack: (*FYI, this step may not be necessary - depends on the version of the DB that you restore)*

[db2inst1@perf-cluster-1-db2 install]$ /opt/ibm/db2/V11.1/bin/db2updv111 -d mall -u db2inst1 -p diet4coke -a

• Apply promotion fix  [db2inst1@perf-cluster-1-db2 db\_backups]$ db2 -tvf promo.sql update WCS.CMDREG set CLASSNAME='com.ibm.commerce.order.calculation.FinalizeDiscountCalculationUsageNoPromoargCmdImpl' where STOREENT\_ID=0 AND INTERFACENAME='com.ibm.commerce.order.calculation.FinalizeDiscountCalculationUsageCmd' DB20000I  The SQL command completed successfully.

• Backup db [db2inst1@perf-cluster-1-db2 install]$ cd /db2/db\_backups/

[db2inst1@perf-cluster-1-db2 db\_backups]$ db2 backup db mall

Backup successful. The timestamp for this backup image is : 20200819160858

[db2inst1@perf-cluster-1-db2 license]$ db2licm -a db2ese\_t.lic

LIC1402I  License added successfully.

Edited

[4/7 8:49 PM] Raimee Stevens

sample instructions once you install db2

[4/7 9:17 PM] Raimee Stevens

<https://console.cloud.google.com/storage/browser/hclinstallfiles;tab=objects?forceOnBucketsSortingFiltering=false&project=commerce-product&supportedpurview=project&prefix=&forceOnObjectsSortingFiltering=false>

Google Cloud Platform

Google Cloud Platform lets you build, deploy and scale applications, websites and services on the same infrastructure as Google.

console.cloud.google.com

gsutil cp local-location/filename gs://bucketname/

sudo gsutil cp gs://hclinstallfiles/MALL.0.db2inst1.DBPART000.20200623153451.001 /db2/db\_backups/

PS C:\Users\pravinprakash.patil\Desktop> gsutil ls gs://hclinstallfiles

gsutil cp gs://hclinstallfiles/v11.5\_linuxx64\_dec.tar ./mnt/disks/perf-cluster-2-db2-disk1

Copying gs://hclinstallfiles/v11.5\_linuxx64\_dec.tar...   
| [0 files][150.6 MiB/ 1.9 GiB] 220.6 KiB/s

db2server.rsp looks like kthe correct one

[db2inst1@cpt-cluster-db2-small ~]$ db2level   
DB21085I This instance or install (instance name, where applicable:   
"db2inst1") uses "64" bits and DB2 code release "SQL11050" with level   
identifier "0601010F".   
Informational tokens are "DB2 v11.5.0.0", "s1906101300", "DYN1906101300AMD64",   
and Fix Pack "0".   
Product is installed at "/opt/ibm/db2/V11.5".

gcloud compute scp cpt-cluster-db2-small:/tmp/dbpath.zip ./dbpath.zip

[root@perf-cluster-2-db2 server\_dec]# sudo lsblk   
NAME MAJ:MIN RM SIZE RO TYPE MOUNTPOINT   
sda 8:0 0 200G 0 disk   
├─sda1 8:1 0 200M 0 part /boot/efi   
└─sda2 8:2 0 199.8G 0 part /   
**sdb 8:16 0 1000G 0 disk /mnt/disks/db/dbpath**   
**[root@perf-cluster-2-db2 server\_dec]#**

./db2setup -r /mnt/disks/db/dbpath/server\_dec/db2/linuxamd64/samples/db2server.rsp

[4/14 7:54 PM] Raimee Stevens

<https://stackoverflow.com/questions/60840936/how-to-make-db2-backup-and-restore-using-db2expc-or-db2dec-license-on-different>

How to make db2 backup and restore using db2expc or db2dec license on different server and autosize unlimited tablespaces avoid SQL1139n

I have to move database from one server(A) to another(B). The server A have this license an version: db2licm -l Nome prodotto: "DB2 Express-C" Tipo di licenza: ...

stackoverflow.com

Graphical user interface

Description automatically generated with medium confidence

[root@perf-cluster-2-db2 adm]# history | grep db2licm

  277  chown -r db2inst1:db2iadm1 /tmp/db2licm\_o.lic

  278  chown R db2inst1:db2iadm1 /tmp/db2licm\_o.lic

  279  chown -R db2inst1:db2iadm1 /tmp/db2licm\_o.lic

  375  find / -name db2licm\_o.lic -print

  377  find / -name db2licm\_o.lic -print

  378  find / -name db2licm\* -print

  379  cd /home/db2inst1/sqllib/adm/db2licm

  382  history | grep db2licm

[root@perf-cluster-2-db2 adm]# su - db2inst1

Last login: Mon Jun  7 08:28:14 UTC 2021 on pts/0

[db2inst1@perf-cluster-2-db2 ~]$ history | grep db2licm

  187  db2licm -a db2ese\_t.lic

  188  db2licm

  189  db2licm -l

  192   db2licm -a db2ese\_t.lic

  193   db2licm -o db2ese\_t.lic

  197   **db2licm -a /tmp/db2licm\_o.lic**

  198  db2licm -l

  200  db2licm -l

  452  history | grep db2licm

[db2inst1@perf-cluster-2-db2 ~]$

[4/14 8:29 PM] Raimee Stevens

[db2inst1@perf-cluster-1-db2-1 ~]$ db2licm -l Product name:                     "DB2 Enterprise Server Edition" License type:                     "Restricted" Expiry date:                      "Permanent" Product identifier:               "db2ese" Version information:              "11.5" Max amount of memory (GB):        "128" Max number of cores:              "16" Features: IBM DB2 Performance Management Offering:              "Not licensed" IBM DB2 OEM High Capacity Feature:                    "Not licensed"

Product name:                     "IBM DB2 Developer-C Edition" License type:                     "Community" Expiry date:                      "Permanent" Product identifier:               "db2dec" Version information:              "11.5" Max amount of memory (GB):        "16" Max number of cores:              "4" Max amount of table space (GB):   "100"

db2inst1@perf-cluster-2-db2 ~]$ db2 drop db mall   
DB20000I The DROP DATABASE command completed successfully.   
[db2inst1@perf-cluster-2-db2 ~]$ db2licm -l   
Product name: "DB2 Enterprise Server Edition"   
License type: "Restricted"   
Expiry date: "Permanent"   
Product identifier: "db2ese"   
Version information: "11.5"   
Max amount of memory (GB): "128"   
Max number of cores: "16"   
Features:   
IBM DB2 Performance Management Offering: "Not licensed"   
IBM DB2 OEM High Capacity Feature: "Not licensed"

Product name: "IBM DB2 Developer-C Edition"   
License type: "Community"   
Expiry date: "Permanent"   
Product identifier: "db2dec"   
Version information: "11.5"   
Max amount of memory (GB): "16"   
Max number of cores: "4"   
Max amount of table space (GB): "100" 

[db2inst1@perf-cluster-2-db2 db\_backups]$ db2 restore db mall   
SQL2523W Warning! Restoring to an existing database that is different from   
the database on the backup image, but have matching names. The target database   
will be overwritten by the backup version. The Roll-forward recovery logs   
associated with the target database will be deleted.   
Do you want to continue ? (y/n) y   
DB20000I **The RESTORE DATABASE command completed successfully.**

Prometheus

[4/22 7:42 PM] Raimee Stevens

<https://stackoverflow.com/questions/59000093/how-to-install-helm-chart-prometheus-operator-on-gke-with-prometheusoperator-adm>

How to install helm chart prometheus-operator on GKE with prometheusOperator.admissionWebhooks.enabled=false?

I want to install the helm chart stable/prometheus-operator on a GKE cluster. I'm aware that either firewall rules need to be adjusted or hooks need to be disabled by setting prometheusOperator.

stackoverflow.com

values.yaml   
grafana:   
  persistence:   
    type: pvc   
    enabled: true   
    storageClassName: local-storage   
    accessModes:   
      - ReadWriteOnce   
    size: 1Gi   
    finalizers:   
      - kubernetes.io/pvc-protection   
   
prometheus:   
  prometheusSpec:   
    storageSpec:   
      volumeClaimTemplate:   
        spec:   
          # Name of the PV you created beforehand   
          #volumeName: prometheus-pv   
          accessModes: ["ReadWriteOnce"]   
          # StorageClass should match your existing PV's storage class   
          storageClassName: local-storage   
          resources:   
            requests:   
              # Size below should match your existing PV's size   
              storage: 20Gi

storageClassName should be standard

helm repo add stable <https://kubernetes-charts.storage.googleapis.com/>

<https://managedkube.com/prometheus-operator/gke/update/2020/04/12/prometheus-operator-gke-update.html>

Graphical user interface, application

Description automatically generated with medium confidence

Graphical user interface, application

Description automatically generated with medium confidence