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| --- | --- |
|  | Abstract  This document describes the step by step installation of a second Target Object Store in the P8 Content Engine Docker CPIT Container including the creation scripts for the installation of the Case Manager Target Object Store as a prerequisite preparation for Case Manager.   1. Alan S. Bluck |

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# IBM Installations - ASB Software Development Limited Publications

<https://doi.org/10.13140/RG.2.2.11327.66721>

IBM Watson Explorer Foundational Components 12.0.3 Installation and Configuration on CentOS Linux 8.0

<https://doi.org/10.13140/RG.2.2.12248.44803>

Watson Explorer 12.0.3 oneWEX Installation on IBM Cloud CENTOS 8.0 Linux with Docker Containers

<https://doi.org/10.13140/RG.2.2.20256.94729>

IBM Cloud Private P8 Container CPIT Installation on CENTOS Linux 8.0

**(NB Above describes the installation of the base CENTOS 8.0 Linux system for this document)**

<https://doi.org/10.13140/RG.2.2.36842.88007>

Installation of Eclipse Codewind and Docker Compose on RHEL 8 Linux with IBM Cloud Private CE (Community Edition)

<https://doi.org/10.13140/RG.2.2.20160.69129>

IBM FileNet P8 Java Development on ECM Cloud Private Container P8 Examples

<https://doi.org/10.13140/RG.2.2.27358.18246>

IBM Cloud Private P8 Container CPIT Installation on RedHat Enterprise Linux 8.0

<https://doi.org/10.13140/RG.2.2.22030.92486>

Problem Resolution Procedures For fixing Software Installation Issues

<https://doi.org/10.13140/RG.2.2.27345.89440>

IBM BAW 18.0 Installation phase1 preprint with install of IBM Workflow Center 8.6.1.19002

<https://doi.org/10.13140/RG.2.2.10491.67369>

DB2 10.5 Installation on CENTOS 8.0 V1

<https://doi.org/10.13140/RG.2.2.33527.57761>

IBM Security Directory Services 6.4- Installation on RHEL 8.0

<https://doi.org/10.13140/RG.2.2.15007.10408>

WebSphere 8.5.5.15 Installation 29-06-2019 on VMWare Workstation Pro 15.1

<https://doi.org/10.13140/RG.2.2.15737.83048>

IBM BAW 18.0 Installation 18 07 2019 - Install of IBM Security Directory Suite 8.0.1.1 on CENTOS 8 using VMWare Workstation Pro 15.1

<https://doi.org/10.13140/RG.2.2.21708.16001>

Case Manager 5.3.3 Installation on RHEL 8.0 with Content Navigator 3.0.6

<https://doi.org/10.13140/RG.2.2.31489.10082>

Installation of Oracle 12C on the Linux operating system

<https://doi.org/10.13140/RG.2.2.14590.95049>

Content Navigator 3.0.6 Installation on RHEL 8.0\_V1.docx

<https://doi.org/10.13140/RG.2.2.21170.76480>

Content Foundation 5.5.3 Installation on RHEL 8.0\_V2.docx

<https://doi.org/10.13140/RG.2.2.30401.51048>

 Case Manager Installation on RHEL 8.0\_Preparation.docx

REF

<https://developer.ibm.com/recipes/tutorials/deploy-ecm-containers-for-demo-or-development-purposes/>

## Requirements and prerequisites

Before you deploy and run IBM Case Manager 5.3.3 in a FileNet Content Engine Container Environment the following prerequisites are needed:

* A Docker runtime environment (a Linux host or virtual machine with Docker installed)
* IBM FileNet P8 Content Platform Engine (CPE) container, deployed and configured
* Supported LDAP provider (Microsoft Active Directory or IBM Security Directory Server)
* Supported database provider (currently only the CPIT IBM DB2 container)

**REF I have described the full list of requirement installations above in my document:**

**CENTOS 8-0 Installation For IBM Cloud Private and IBM FileNet P8 CPIT Installation V2**

<https://doi.org/10.13140/RG.2.2.20256.94729>

This document describes the step by step installation of IBM Cloud Private including the set-up of the supporting CENTOS 8.0 Linux Operating system and Docker system. Also the download and installation of the P8 Containers for IBM FileNet P8 Content Platform and the IBM Content Navigator Installed using CPIT.

# Preparing for container installation

Check the scripts already created in the db2 container for CPIT installation:

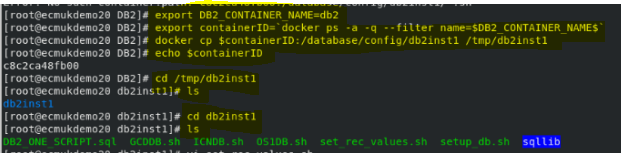
**export DB2\_CONTAINER\_NAME=db2**

**export containerID=`docker ps -a -q --filter name=$DB2\_CONTAINER\_NAME$`**

**docker cp $containerID:/database/config/db2inst1 /tmp/db2inst1**

**cd /tmp/db2inst1/db2inst1**

**ls**



## Preparing Content Platform Engine for a 2nd Object Store

* Create a DESIGN Object Store and a TARGET Object Store. For details, see [Creating IBM Case Manager object stores on Content Platform Engine](https://www.ibm.com/support/knowledgecenter/SSCTJ4_5.3.2/com.ibm.casemgmt.installing.doc/acmin048b.htm)

REF:

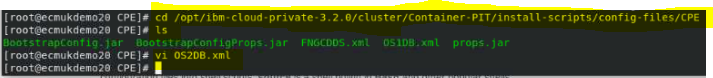
<https://developer.ibm.com/recipes/tutorials/deploy-ecm-containers-for-demo-or-development-purposes/>

### OS2DB.xml

create a file OS2DB.xml

cd /opt/ibm-cloud-private-3.2.0/cluster/Container-PIT/install-scripts/config-files/CPE

**vi OS2DB.xml**



<server>

<dataSource id="FNOS2DS" jndiName="FNOS2DS" isolationLevel="TRANSACTION\_READ\_COMMITTED" type="javax.sql.DataSource">

<jdbcDriver libraryRef="DB2JCC4Lib"/>

<properties.db2.jcc

databaseName="OS2DB"

serverName="ecmukdemo20"

portNumber="50000"

user="db2inst1"

password="filenet"

resultSetHoldability="HOLD\_CURSORS\_OVER\_COMMIT"

/>

<connectionManager enableSharingForDirectLookups="false"/>

</dataSource>

<dataSource id="FNOS2DSXA" jndiName="FNOS2DSXA" isolationLevel="TRANSACTION\_READ\_COMMITTED" type="javax.sql.XADataSource" supplementalJDBCTrace="true">

<properties.db2.jcc

databaseName="OS2DB"

serverName="ecmukdemo20"

portNumber="50000"

user="db2inst1"

password="filenet"

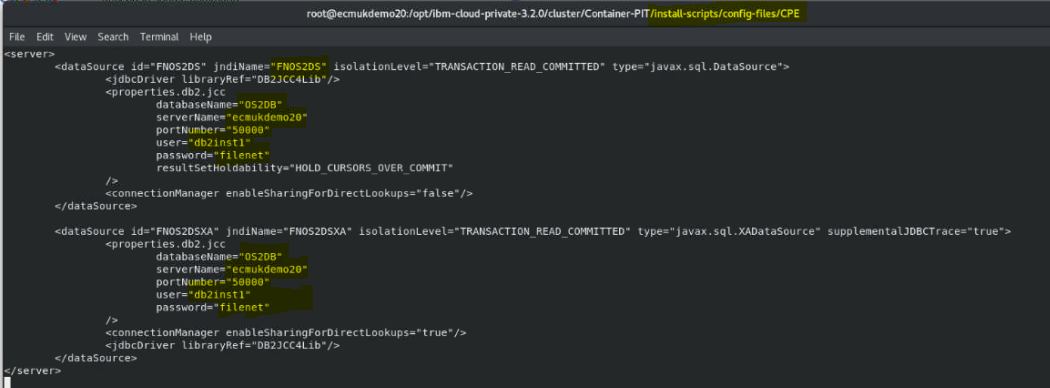
/>

<connectionManager enableSharingForDirectLookups="true"/>

<jdbcDriver libraryRef="DB2JCC4Lib"/>

</dataSource>

</server>

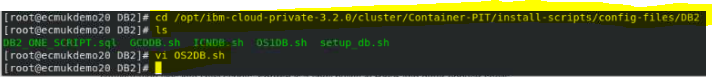


### OS2DB.sh

Create a file OS2DB.sh

cd /opt/ibm-cloud-private-3.2.0/cluster/Container-PIT/install-scripts/config-files/DB2

**vi OS2DB.sh**



#! /bin/bash

#

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#

if [ $# -eq 0 ]

then

echo

echo Usage: $0 "<database\_name>"

echo

exit 1

fi

arg1=$1

len=${#arg1}

echo $arg1

if [ $len -gt 8 ]

then

echo

echo Invalid DB name "$arg1" : **Must be 8** characters or less.

echo DB creation would fail. Exiting...

echo

exit 1

fi

P8DBNAME=$1

P8DBDIR=/db2fs/${P8DBNAME}

DB2USER=db2inst1

mkdir -p ${P8DBDIR}

#-- Close any outstanding connection

db2 CONNECT RESET

db2 +p -t <<End\_of\_file

CREATE DATABASE $P8DBNAME

AUTOMATIC STORAGE YES

ON $P8DBDIR

USING CODESET UTF-8 TERRITORY US

COLLATE USING SYSTEM

PAGESIZE 32768

;

-- Increase the application heap size

UPDATE DATABASE CONFIGURATION FOR ${P8DBNAME} USING APPLHEAPSZ 2560;

UPDATE DATABASE CONFIGURATION FOR ${P8DBNAME} USING STMTHEAP 8192;

End\_of\_file

sleep 5

db2 +p -t <<End\_of\_file

-- Connect

CONNECT TO $P8DBNAME;

-- Drop unnecessary default tablespaces

-- Try not dropping

DROP TABLESPACE USERSPACE1;

-- REVOKE USE OF TABLESPACE USERSPACE1 FROM PUBLIC;

-- Create default buffer pool size

CREATE Bufferpool FNCEDEFAULTBP IMMEDIATE SIZE -1 PAGESIZE 32 K;

CREATE Bufferpool FNPEDEFAULTBP IMMEDIATE SIZE -1 PAGESIZE 32 K;

End\_of\_file

db2 CONNECT RESET

db2 deactivate database $P8DBNAME

sleep 5

db2 CONNECT TO $P8DBNAME

db2 +p -t <<End\_of\_file

-- Create tablespaces

CREATE LARGE

TABLESPACE ${P8DBNAME}\_TBS

PAGESIZE 32 K

MANAGED BY AUTOMATIC

STORAGE EXTENTSIZE 16 OVERHEAD 10.5

PREFETCHSIZE 16 TRANSFERRATE 0.14

BUFFERPOOL "FNCEDEFAULTBP"

DROPPED TABLE RECOVERY ON

;

CREATE SYSTEM TEMPORARY

TABLESPACE TEMPSYS2

PAGESIZE 32 K

MANAGED BY AUTOMATIC

STORAGE EXTENTSIZE 16 OVERHEAD 10.5

PREFETCHSIZE 16 TRANSFERRATE 0.14

BUFFERPOOL "FNCEDEFAULTBP"

;

End\_of\_file

db2 +p -t <<End\_of\_file

-- Create tablespaces

CREATE LARGE

TABLESPACE VWDATA\_TS2

PAGESIZE 32 K

MANAGED BY AUTOMATIC

STORAGE EXTENTSIZE 16 OVERHEAD 10.5

PREFETCHSIZE 16 TRANSFERRATE 0.14

BUFFERPOOL "FNPEDEFAULTBP"

DROPPED TABLE RECOVERY ON

;

CREATE LARGE

TABLESPACE VWINDEX\_TS2

PAGESIZE 32 K

MANAGED BY AUTOMATIC

STORAGE EXTENTSIZE 16 OVERHEAD 10.5

PREFETCHSIZE 16 TRANSFERRATE 0.14

BUFFERPOOL "FNPEDEFAULTBP"

DROPPED TABLE RECOVERY ON

;

CREATE LARGE

TABLESPACE VWBLOB\_TS2

PAGESIZE 32 K

MANAGED BY AUTOMATIC

STORAGE EXTENTSIZE 16 OVERHEAD 10.5

PREFETCHSIZE 16 TRANSFERRATE 0.14

BUFFERPOOL "FNPEDEFAULTBP"

DROPPED TABLE RECOVERY ON

;

End\_of\_file

#-- Grant USER access to tablespaces

echo Grant user $DB2USER access to tablespace

#db2 -v GRANT CREATETAB,CONNECT ON DATABASE TO user $DB2USER;

#db2 -v GRANT SECADM, DBADM ON DATABASE TO user $DB2USER;

#db2 -v GRANT USE OF TABLESPACE ${P8DBNAME}\_TBS TO user $DB2USER;

#db2 -v GRANT USE OF TABLESPACE USERTEMP1 TO user $DB2USER;

#db2 -v GRANT USE OF TABLESPACE VWDATA\_TS2 TO user $DB2USER;

#db2 -v GRANT USE OF TABLESPACE VWINDEX\_TS2 TO user $DB2USER;

#db2 -v GRANT USE OF TABLESPACE VWBLOB\_TS2 TO user $DB2USER;

# apply DB tuning

db2 update db cfg for ${P8DBNAME} using LOCKTIMEOUT 30

db2 update db cfg for ${P8DBNAME} using LOGBUFSZ 212

db2 update db cfg for ${P8DBNAME} using LOGFILSIZ 6000

db2 update db cfg for ${P8DBNAME} using APPLHEAPSZ 2560

db2 update db cfg for ${P8DBNAME} using LOGPRIMARY 10

export CUR\_COMMIT=ON

db2 update db cfg using cur\_commit ON

#-- Close connection

db2 CONNECT RESET

db2 activate database $P8DBNAME

### setup\_db2\_for\_OS2DB.sh

**cd /opt/ibm-cloud-private-3.2.0/cluster/Container-PIT/install-scripts/config-files/DB2**

**vi setup\_db2\_for\_OS2DB.sh**



#/bin/bash

#

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#

# Set DB2 performance parameters

export CUR\_COMMIT=ON

su - db2inst1 -c "db2set DB2\_WORKLOAD=FILENET\_CM"

echo "set CUR\_COMMIT=$CUR\_COMMIT"

# Change file ownership and folder permissions for non-root execution

chown db2inst1:db2iadm1 /database/config/db2inst1/\*.sh

chown db2inst1:db2iadm1 /database/config/db2inst1/\*.sql

chmod 755 /database/config/db2inst1/\*.sh

chown -R db2inst1:db2iadm1 /db2fs

# Run the database creation script

echo "Begin to create OS2DB database"

su - db2inst1 -c "/database/config/db2inst1/OS2DB.sh OS2DB"

TIME\_OUT=15

i=0

if [[ $i -eq $TIME\_OUT\*2 ]]; then

echo "Database create can't start within 30 minutes, something must be wrong, exit now..."

echo "Pls check DB2 docker container log to check its status."

exit 1

fi

while(($i<$TIME\_OUT\*2))

do

number\_of\_db=`su - db2inst1 -c "db2 list db directory" | grep "Number of entries in the directory" | awk -F '=' '{print $2}'`

if [ "$number\_of\_db"x = ""x -o $number\_of\_db -lt 4 ]; then

let i++

echo -e " $i.DB2 is not ready yet, wait 30 seconds and recheck again...."

sleep 30

else

echo -e "\033[36mOS2DB database created successfully \033[0m"

break

fi

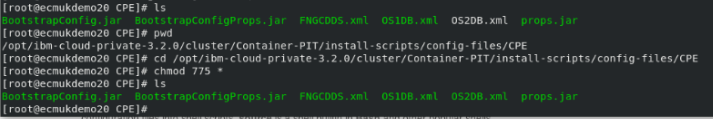
done

**cd /opt/ibm-cloud-private-3.2.0/cluster/Container-PIT/install-scripts/config-files/DB2**

**chmod 775 \***

**cd /opt/ibm-cloud-private-3.2.0/cluster/Container-PIT/install-scripts/config-files/CPE**

**chmod 775 \***



### deployDB2\_OS2DB.sh

**cd /opt/ibm-cloud-private-3.2.0/cluster/Container-PIT/install-scripts**

**vi deployDB2\_OS2DB.sh**

#!/bin/bash

#

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#

echo "=========================================="

date

if [[ $ScriptsDir = "" ]]; then

source ./d\_utils.sh

echo $ScriptsDir

fi

echo "Begin to deploy OS2DB to $DB2\_IMAGE\_NAME:$DB2\_IMAGE\_TAG Container $DB2\_CONTAINER\_NAME"

start\_time\_1=$(date +%s)

filename=$ScriptsDir/"status.log"

function copyDB2ConfigFiles() {

echo "Copy DB2 configuration files start..."

cd $ScriptsDir/config-files/DB2

cp -f OS2DB.sh setup\_db2\_for\_OS2DB.sh $DB2\_CONFIGFILES\_LOC/$DB2\_SCRIPT

cp -f ../CPE/OS2DB.xml $CPE\_CONFIGFILES\_LOC/$CPE\_OVERRIDES\_FOLDER

chown -R $U\_UID:$G\_GID $CPE\_CONFIGFILES\_LOC

chmod -R 777 $CPE\_CONFIGFILES\_LOC

cd $ScriptsDir

echo "Copied DB2 configuration files to $DB2\_CONFIGFILES\_LOC successfully"

}

function createDB() {

echo "Begin to create the OS2DB database..."

containerID=`docker ps -a -q --filter name=$DB2\_CONTAINER\_NAME$`

docker cp $DB2\_CONFIGFILES\_LOC/$DB2\_SCRIPT/OS2DB.sh $containerID:/database/config/db2inst1

docker cp $DB2\_CONFIGFILES\_LOC/$DB2\_SCRIPT/setup\_db2\_for\_OS2DB.sh $containerID:/database/config/db2inst1

docker exec -i $DB2\_CONTAINER\_NAME /bin/bash /database/config/db2inst1/setup\_db2\_for\_OS2DB.sh

if [ ! $? -eq 0 ] ;then

echo -e "\033[31mFailed to create the database OS2DB. \033[0m"

exit\_script

fi

}

copyDB2ConfigFiles

createDB

end\_time\_1=$(date +%s)

duration\_1=$((($end\_time\_1-$start\_time\_1)/60))

echo -e "\033[36mCreate database OS2DB took $duration\_1 minutes \033[0m"

if [ $? -eq 0 ] ;then

echo -e "\033[36mFinished create database OS2DB successfully \033[0m"

sed -i.bak 's/deployDB2: NotCompleted/deployDB2: Completed/g' $filename

else

exit\_script

fi

echo "=========================================="

**chmod 775 deployDB2\_OS2DB.sh**

### createP8OS2.sh

**vi createP8OS2.sh**

#!/bin/bash

#

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#

echo "=========================================="

date

filename=$ScriptsDir/"status.log"

if [[ $ScriptsDir = "" ]]; then

source ./d\_utils.sh

echo $ScriptsDir

fi

echo "Begin to create p8 object store with name P8OS2Centos8"

CPELibs=$ScriptsDir/CPELibs

if [[ -d $CPELibs ]]; then

p8utils=$ScriptsDir/p8utils.jar:$CPELibs/Jace.jar:$CPELibs/log4j.jar:$CPELibs/stax-api.jar:$CPELibs/xlxpScanner.jar:$CPELibs/xlxpScannerUtils.jar

else

echo "There is no folder named $CPELibs"

fi

docker exec -i $JDK\_CONTAINER\_NAME java -cp $p8utils com.ibm.CETools "createObjectStore" $HOST\_NAME $CPE\_HTTP\_PORT $P8ADMIN\_USER $GLOBAL\_PASSWORD P8OS2Centos8 "FNOS2DS" "FNOS2DSXA" $P8ADMIN\_GROUP "GeneralUsers" "" ""

if [ ! $? -eq 0 ] ;then

echo -e "\033[31m Something wrong when creating P8 Object Store. \033[0m"

echo -e "\033[31m Check $CPE\_CONFIGFILES\_LOC/$CPE\_LOGS\_FOLDER/$CPE\_CONTAINER\_HOST\_NAME/messages.log to see if any error \033[0m"

exit\_script

fi

if [ $? -eq 0 ] ;then

echo -e "\033[36mFinished creating p8 object store P8OS2Centos8 successfully \033[0m"

sed -i.bak 's/createP8OS2: NotCompleted/createP8OS2: Completed/g' $filename

else

exit\_script

fi

echo "=========================================="

**chmod 775 createP8OS2.sh**

### MainCreateTargetOS.sh

**cd /opt/ibm-cloud-private-3.2.0/cluster/Container-PIT**

**vi MainCreateTargetOS.sh**

**#!/bin/bash**

**#**

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**#**

**start\_time\_0=$(date +%s)**

**basepath=$(cd `dirname $0`; pwd)**

**ScriptsDir="$basepath/install-scripts"**

**chmod -R +x $ScriptsDir**

**chmod +x ./setProperties.sh**

**# read and execute commands from ./setproperties.sh and return.**

**source ./setProperties.sh**

**# create status.log keeps track of the script completion or non-completion**

**filename=$ScriptsDir/"status.log"**

**if [ ! -f $filename ]**

**then**

**touch $filename**

**echo "** **deployDB2\_OS2DB: NotCompleted" >> $filename**

**echo "** createP8OS2**: NotCompleted" >> $filename**

**else**

**echo "Status file found"**

**echo "** **deployDB2\_OS2DB: NotCompleted" >> $filename**

**echo "** createP8OS2**: NotCompleted" >> $filename**

**fi**

**source $ScriptsDir/utils.sh**

**source $ScriptsDir/getLicenseApproval.sh**

**source $ScriptsDir/gatherHostInfo.sh**

**source $ScriptsDir/getCredential.sh**

**# Check status of script and only execute if it is NotCompleted**

**if grep -q " deployDB2\_OS2DB: Completed" $filename; then**

**echo "Skipping deployDB2\_OS2DB.sh, as it was completed during previous execution!"**

**else**

**echo " deployDB2\_OS2DB.sh was not run before, running now!"**

**source $ScriptsDir/deployDB2\_OS2DB.sh**

**fi**

**if grep -q " createP8OS2: Completed" $filename; then**

**echo "Skipping createP8OS2.sh, as it was completed during previous execution!"**

**else**

**echo "createP8OS2.sh was not run before, running now!"**

**source $ScriptsDir/createP8OS2.sh**

**fi**

**end\_time\_0=$(date +%s)**

**duration\_0=$((($end\_time\_0-$start\_time\_0)/60))**

**echo "This execution took $duration\_0 minutes"**

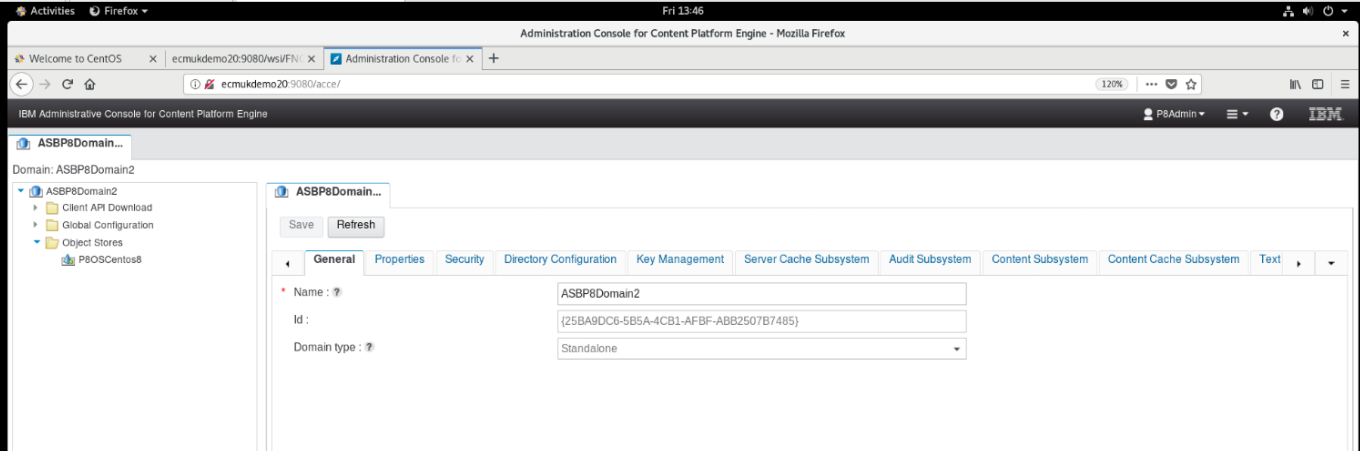
**chmod 775 MainCreateTargetOS.sh**

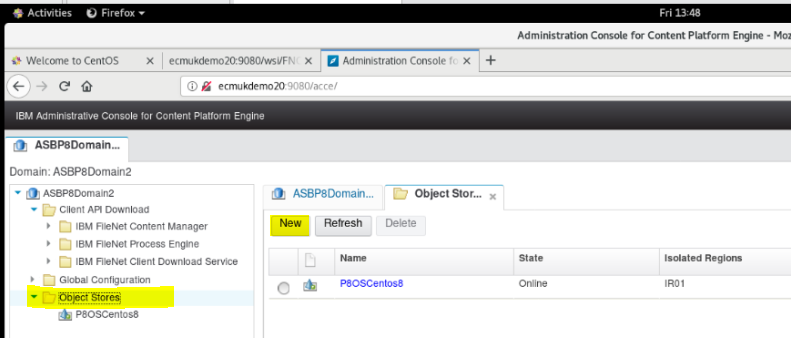
**REF:** Appendix A – Log of running MainCreateTargetOS.sh

**reboot**

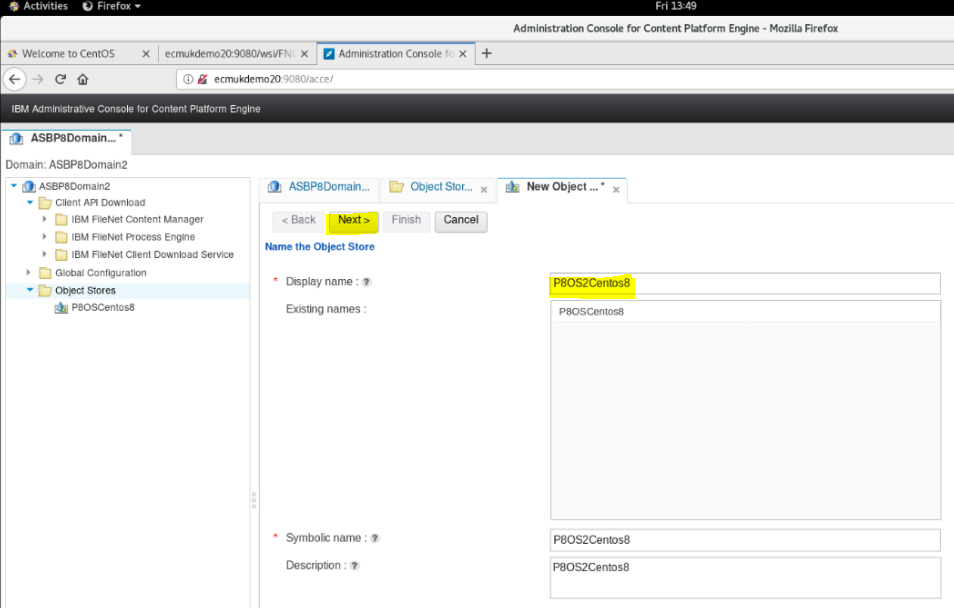
### Log into the acce tool to create the Object Store and Workflow sub-system

**http://ecmukdemo20:9080/acce/**

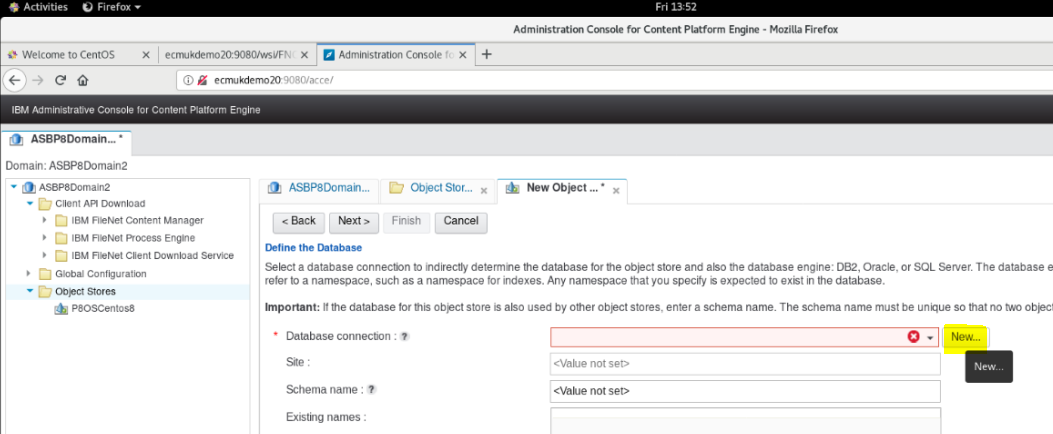




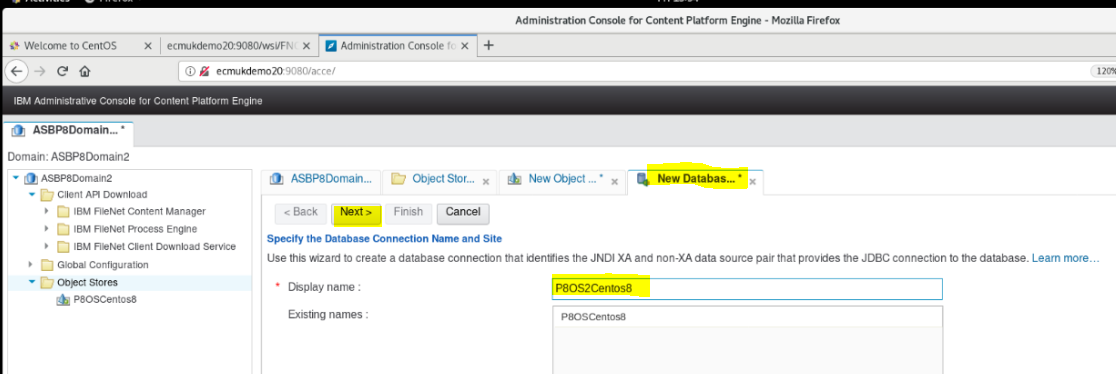
**Click New**

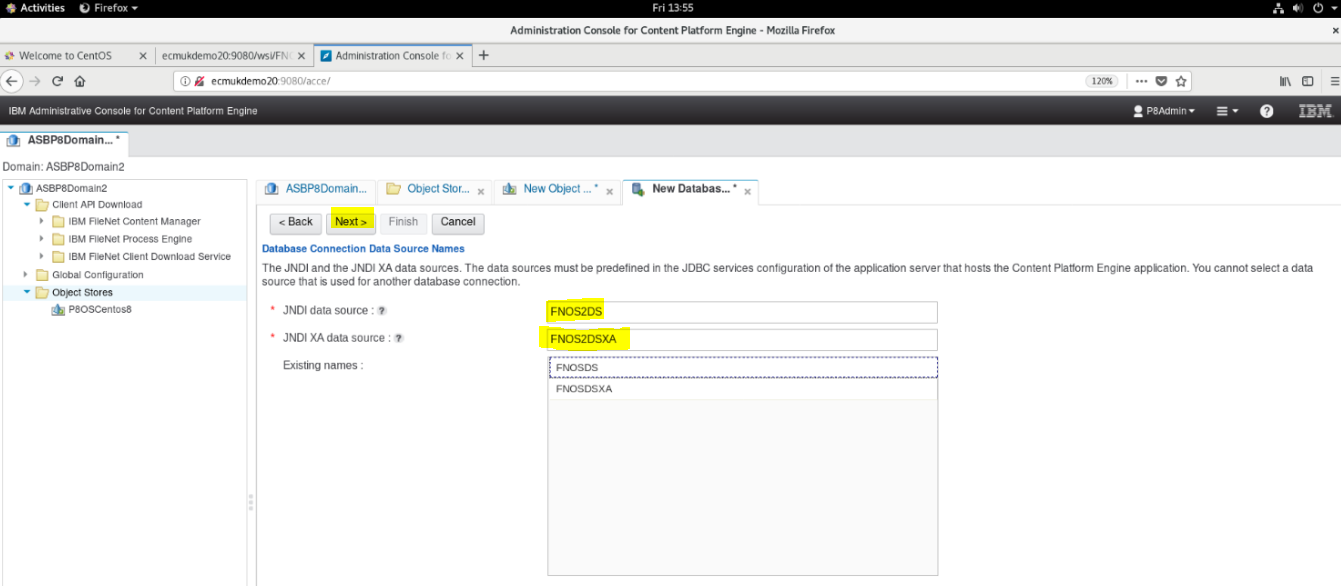


**Click Next**

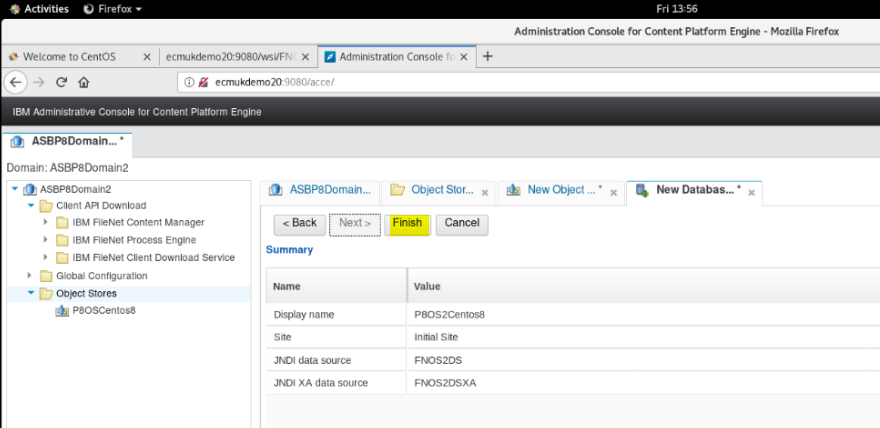


**Click New**

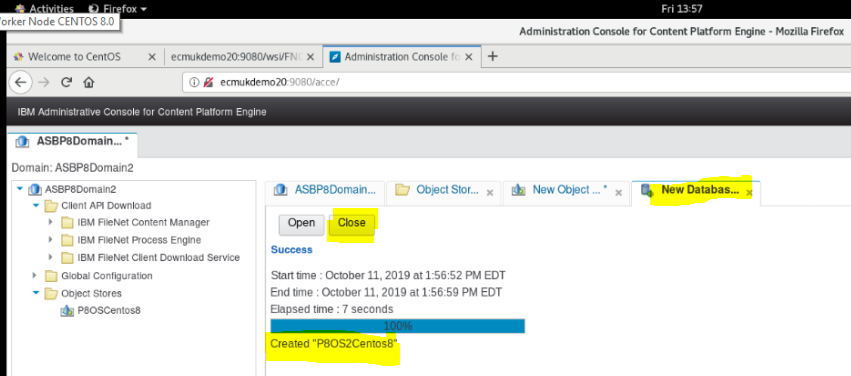




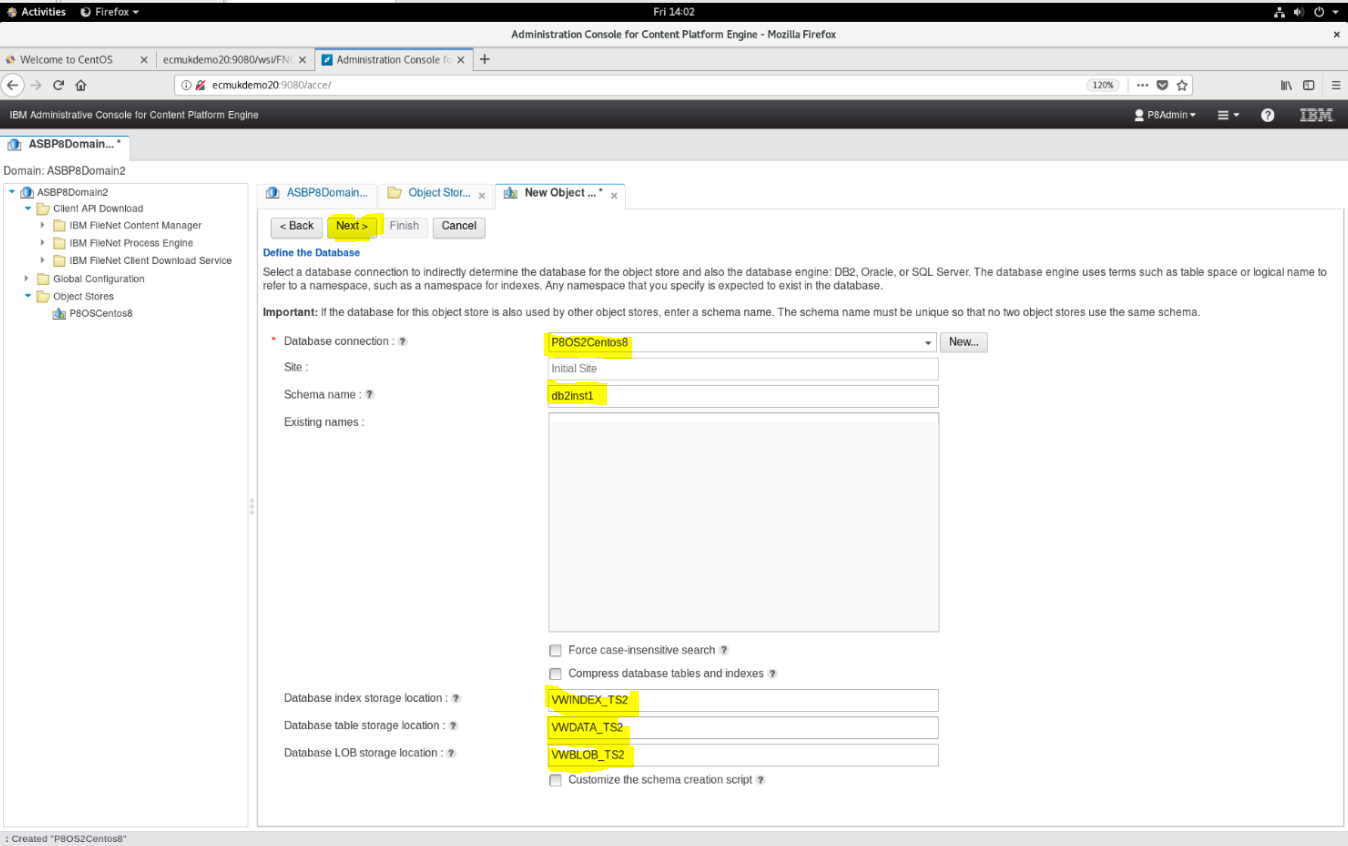
**Enter the Datasources FNOS2DS and FNOS2DSXA**



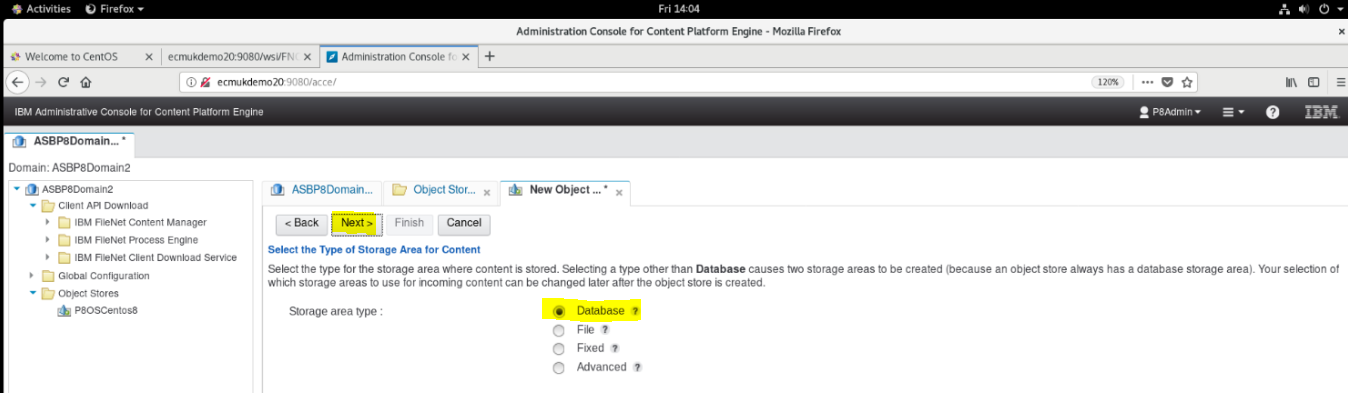
**Click Finish**



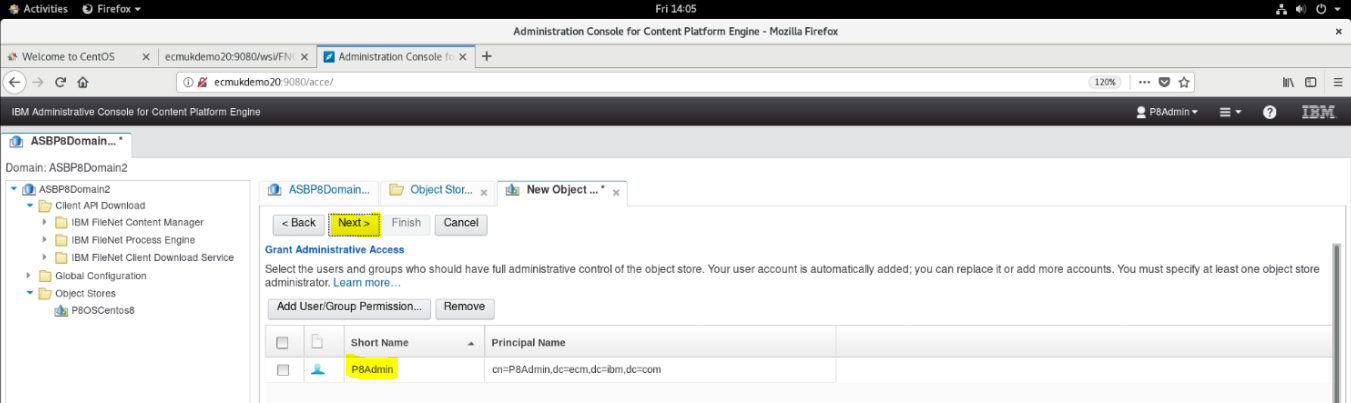
**Click Close**



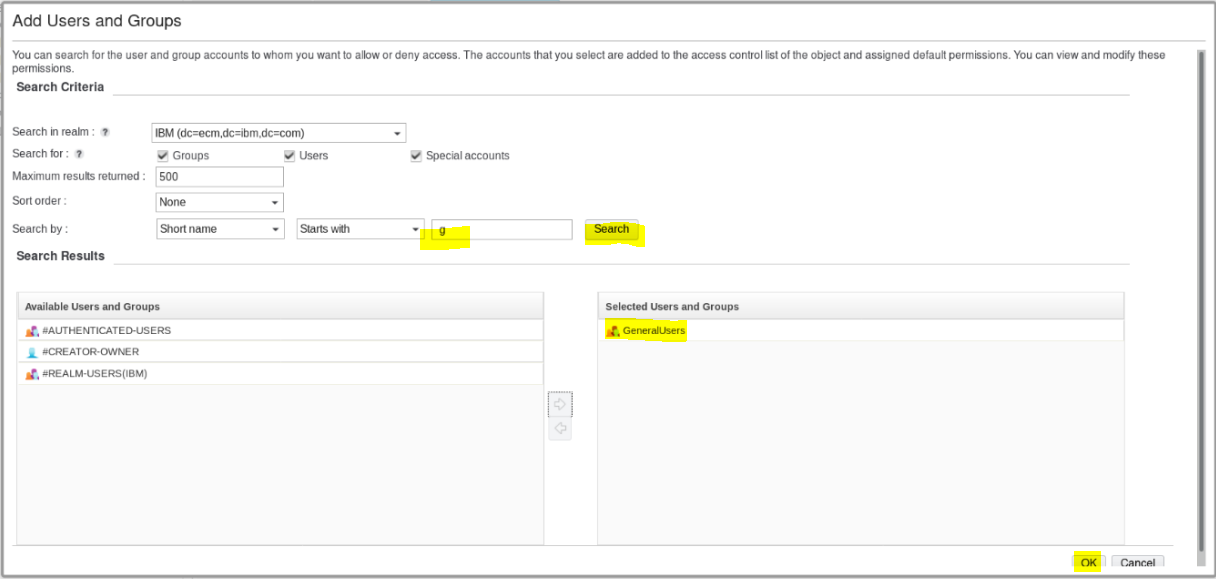
**Click Next on the New ObjectStore tab after entering the fields highlighted above**



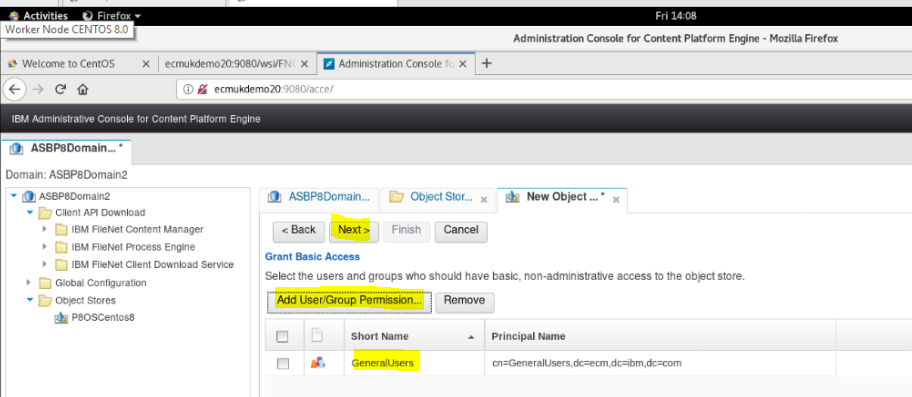
**Click Next**



**Click Next**



**Add General users group as users**



**Click Next**

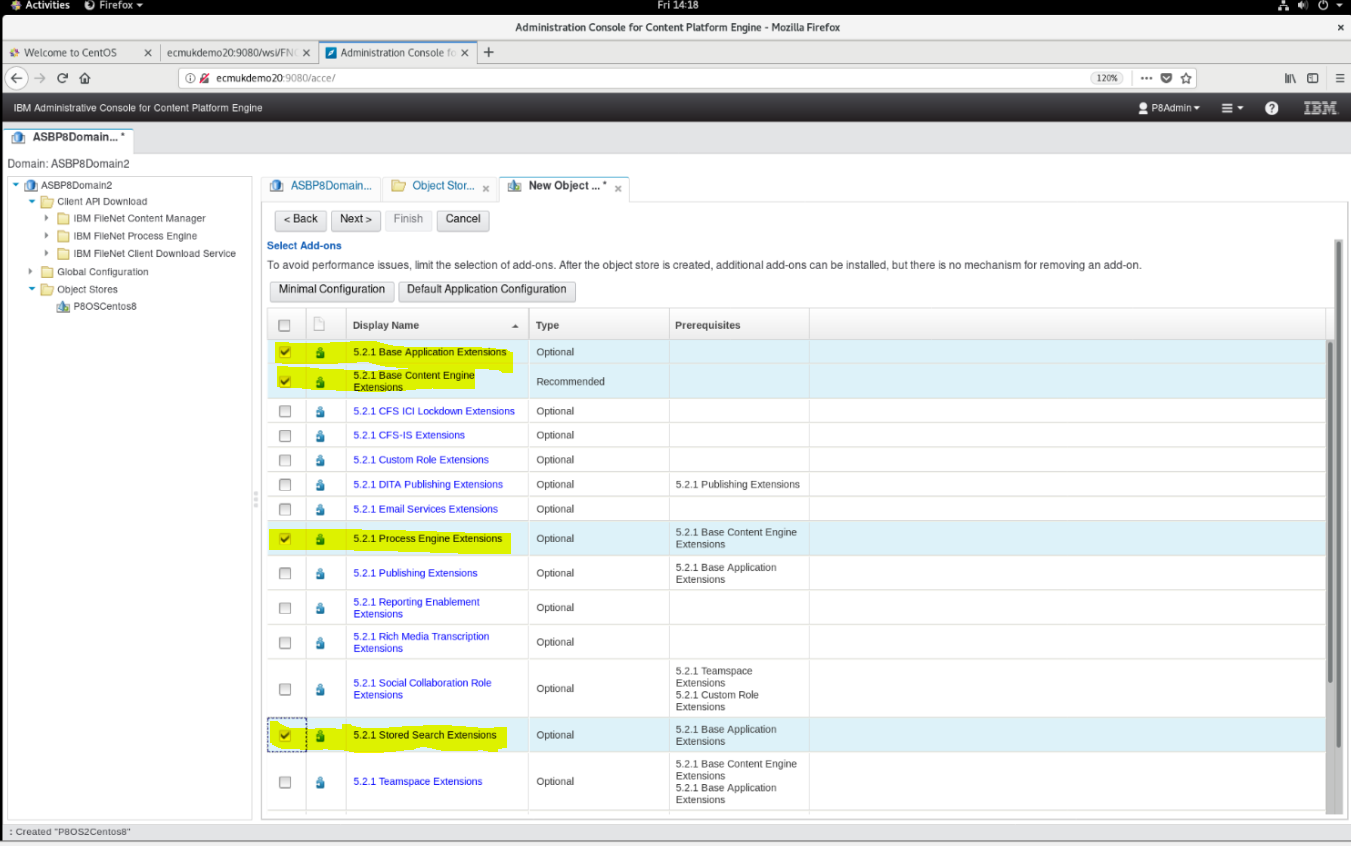
**Add Add-ons required for Case Manager**

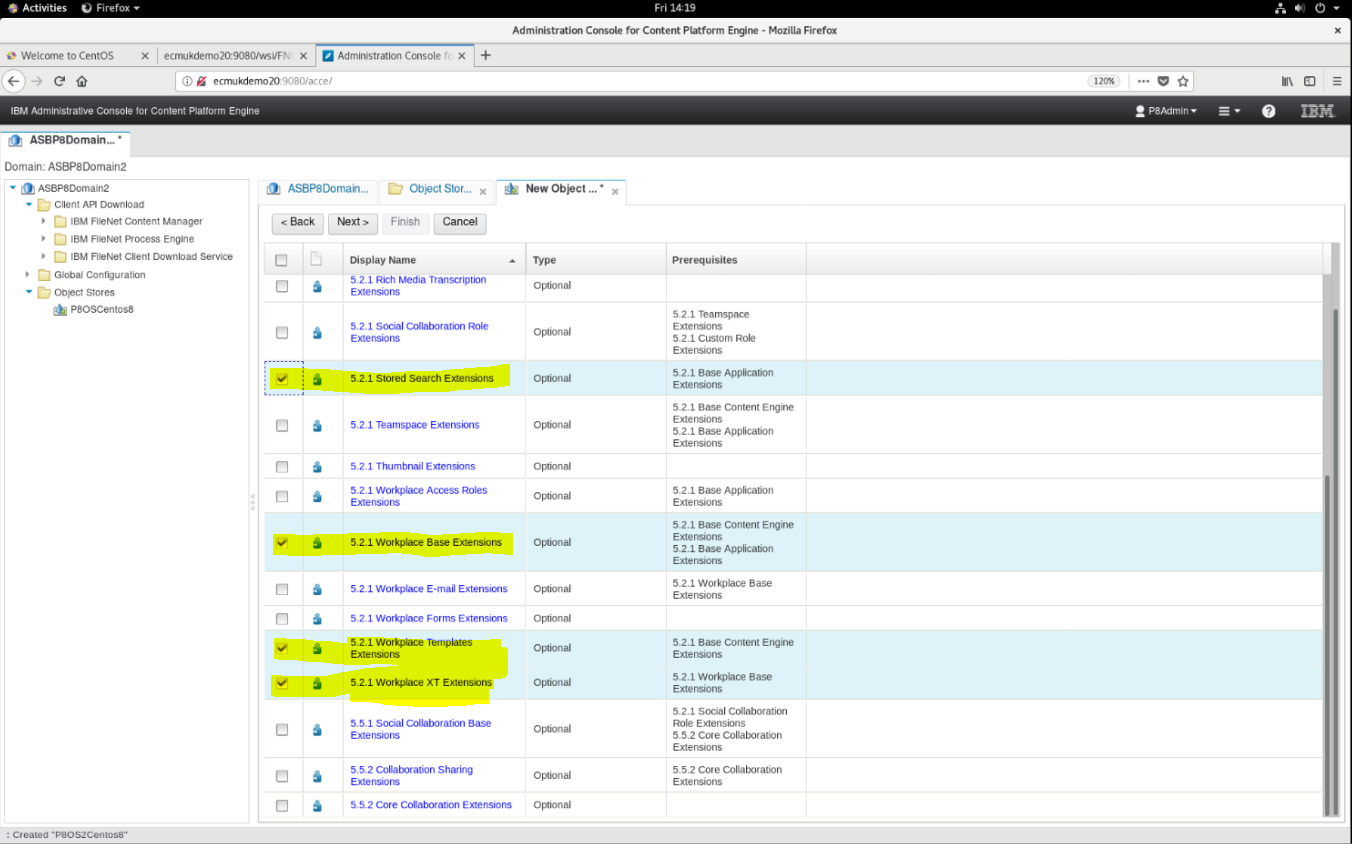
**REF**

<https://www.ibm.com/support/knowledgecenter/SSCTJ4_5.3.2/com.ibm.casemgmt.installing.doc/acmin048b.htm>

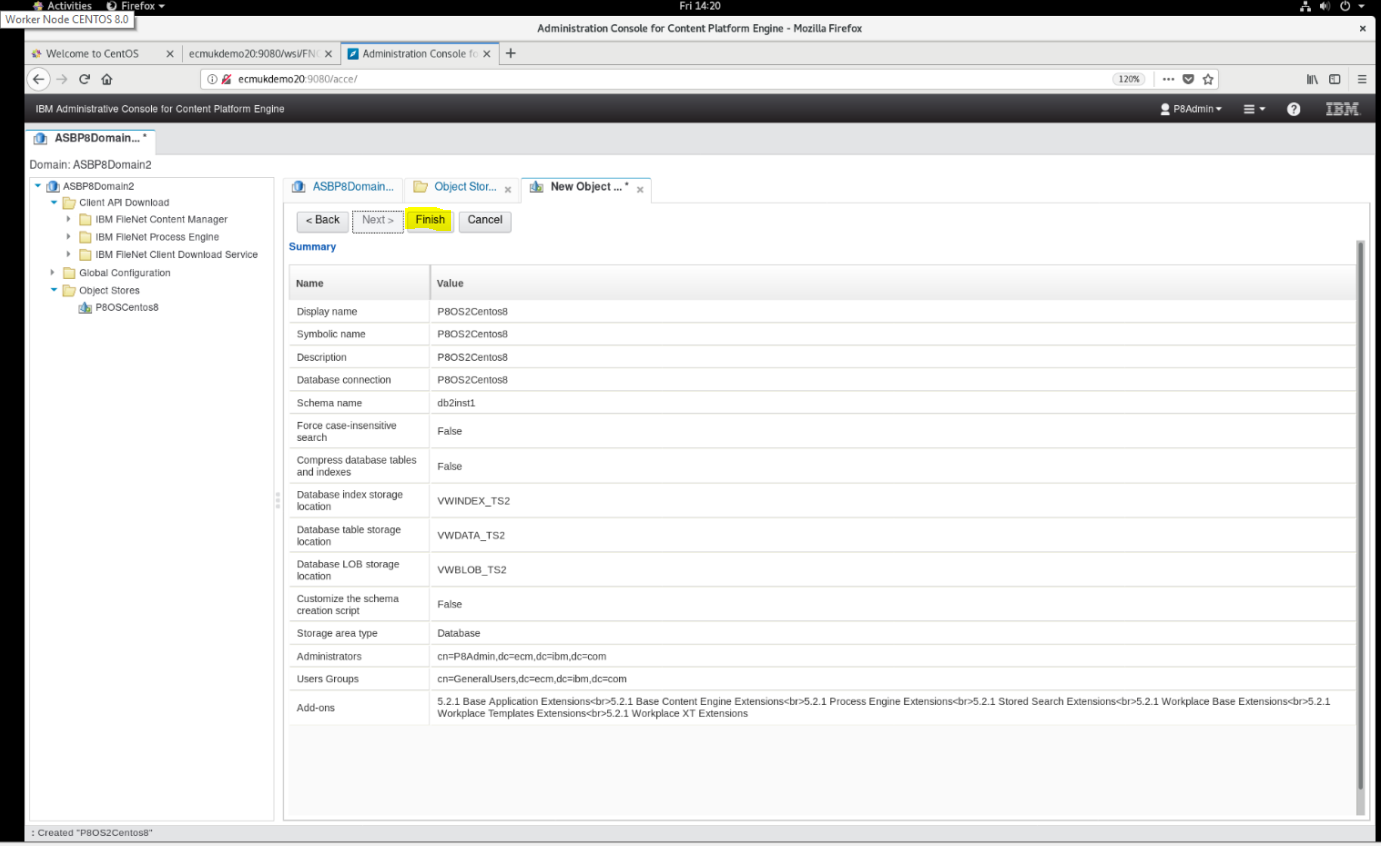
In the Select Add-ons window, click the **Workplace/Workplace XT Configuration** button. This setting provides the add-ons that are required for IBM Case Manager. If you want only the minimum required add-ons, ensure that you select the following add-ons:

* Content Engine Base Extensions, which are required for all Content Engine configurations.
* Base Application Extensions, which are a prerequisite for Search Extensions and the Workplace Base Extensions.
* Search Extensions, which are required to browse and search for content in IBM Content Navigator.
* Workplace Base Extensions, which are required to browse and search for content in IBM Content Navigator.
* Workplace Template Extensions, which are required to open folders in IBM Content Navigator.

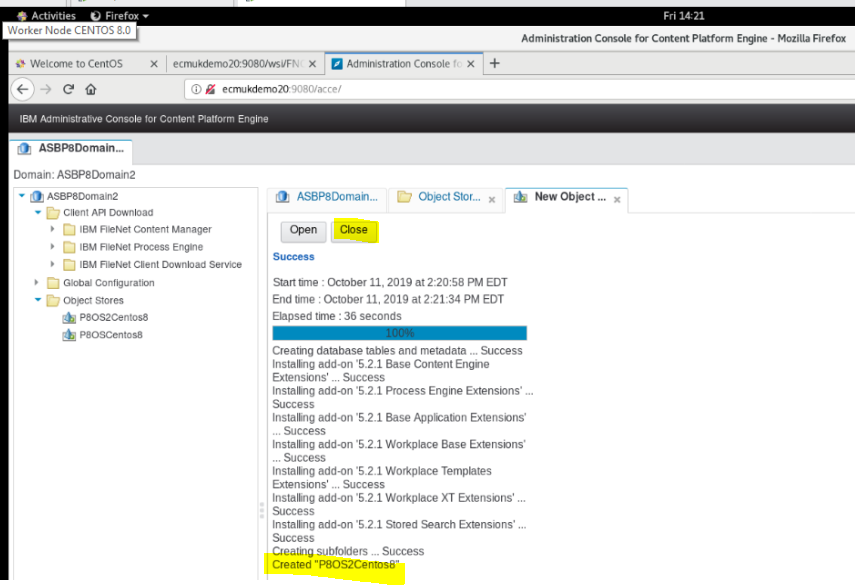




**Click Next**



**Review and click Finish**

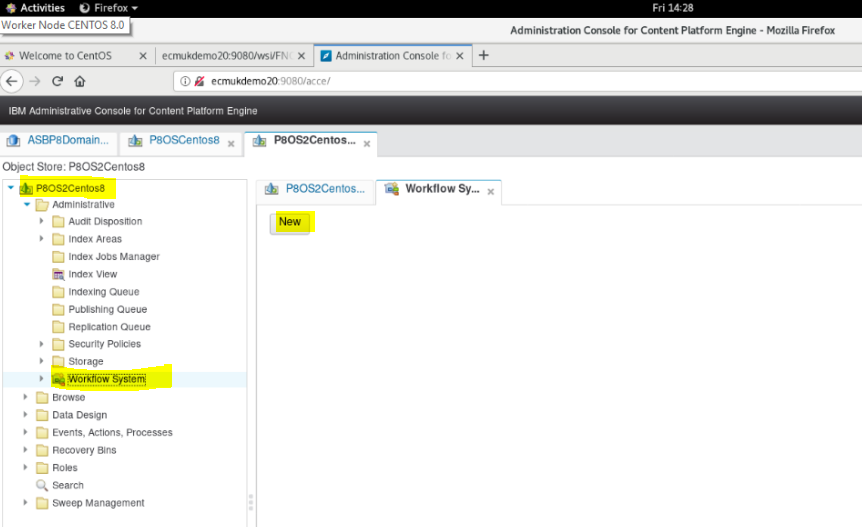


**P8OS2Centos8 Object Store now created**

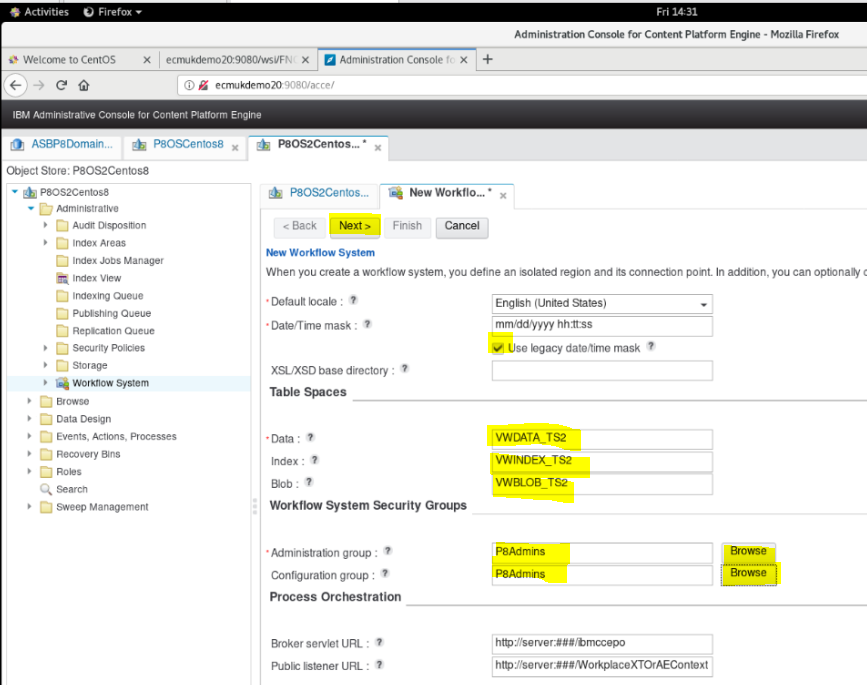
* Create a Workflow System, Connection Point, and Isolated Region in the TARGET Object Store. For details, see [Configuring a workflow system for IBM Case Manager](https://www.ibm.com/support/knowledgecenter/SSCTJ4_5.3.2/com.ibm.casemgmt.installing.doc/acmin049.htm)

### Create the P8OS2Centos8 Target Object Store Workflow using the acce tool

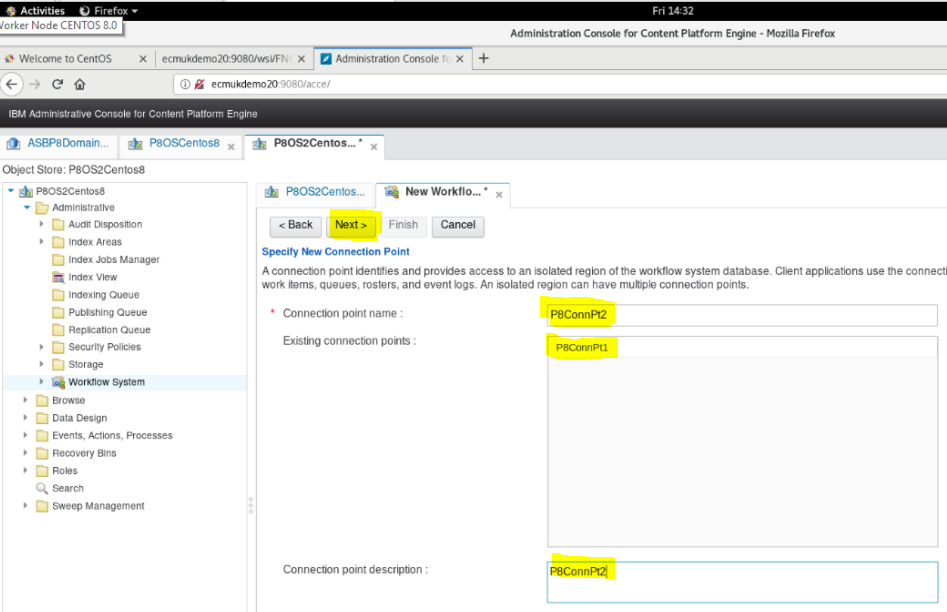
Right-mouse click on the Workflow sub-system node or click the Command Button and



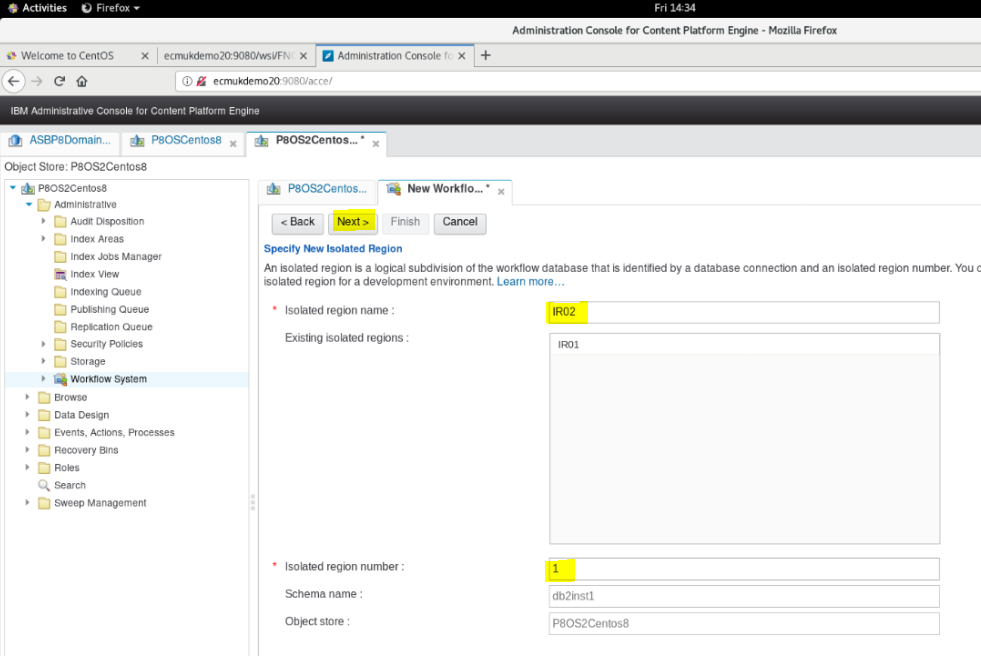
Click **New**



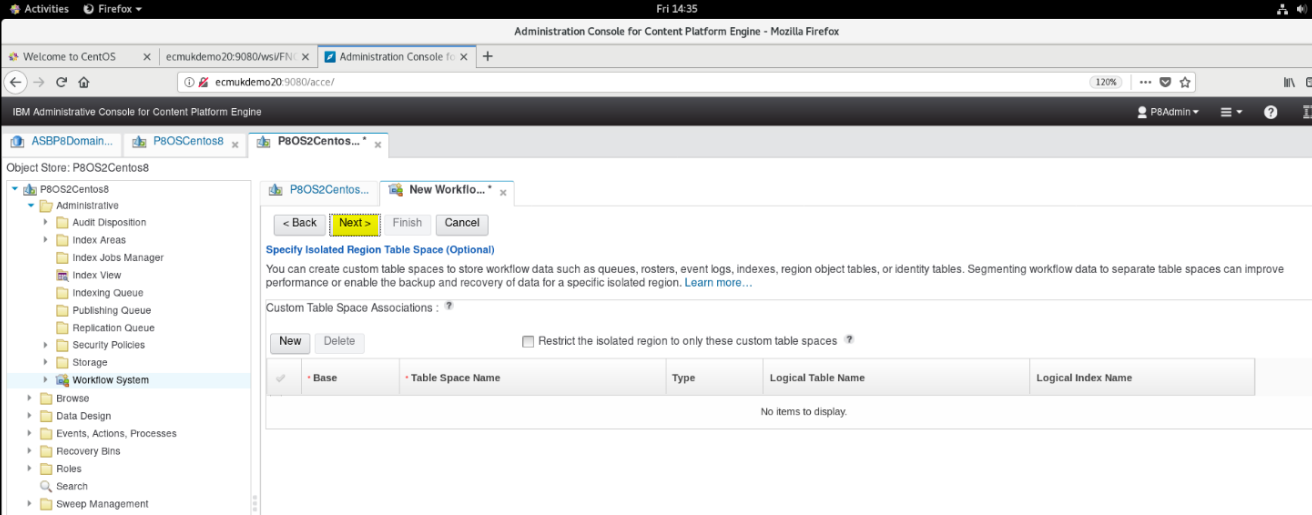
Enter the values shown above and click Next



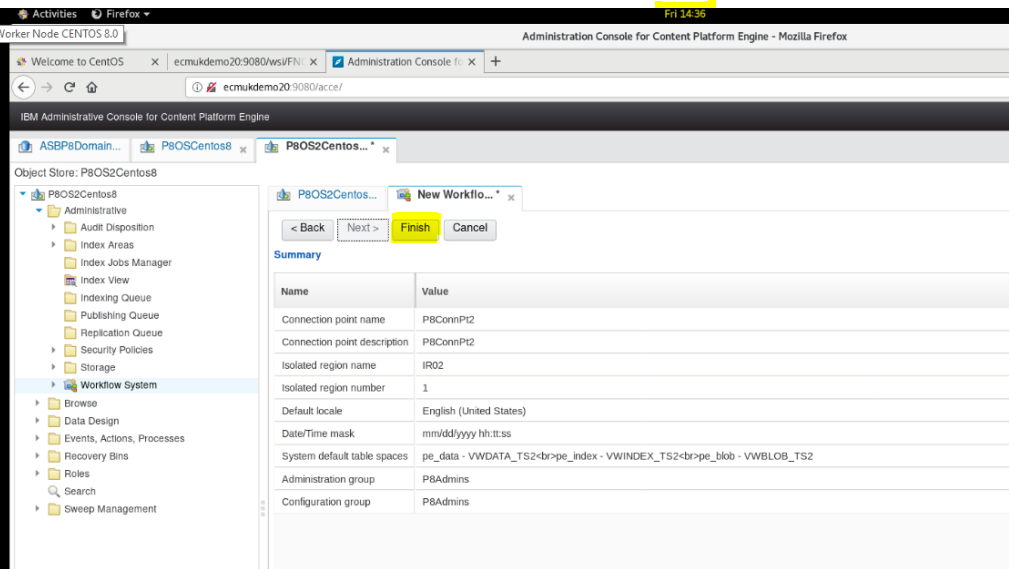
Enter the connection point as P8ConnPt2 and click Next



Enter IR02 and region 1 and click Next

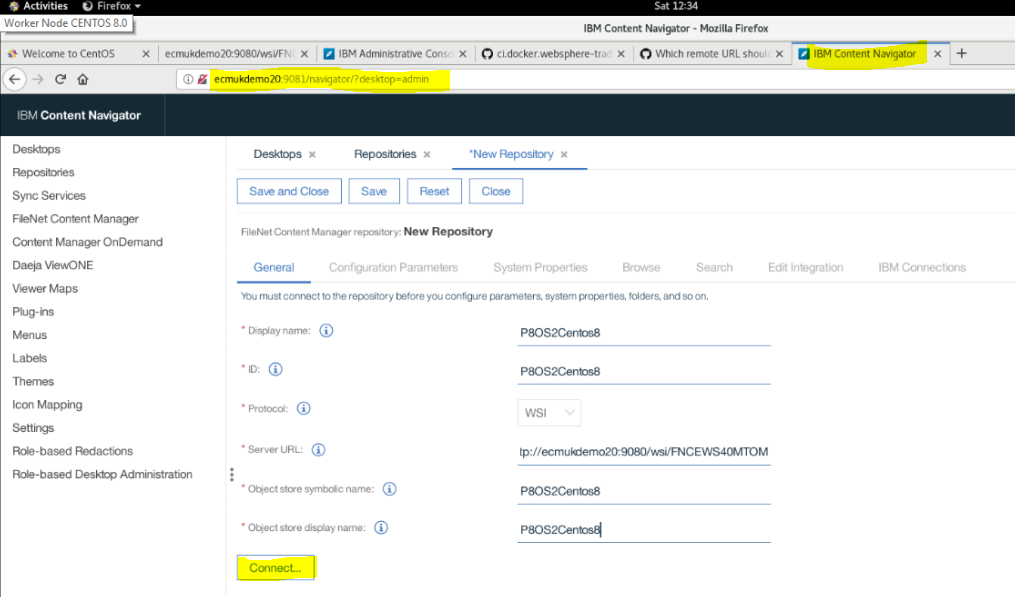


Click Next



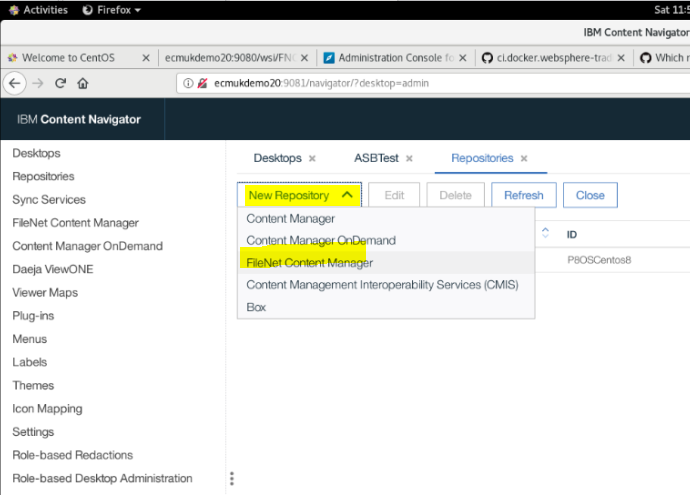
Click Finish

New Workflow System is created

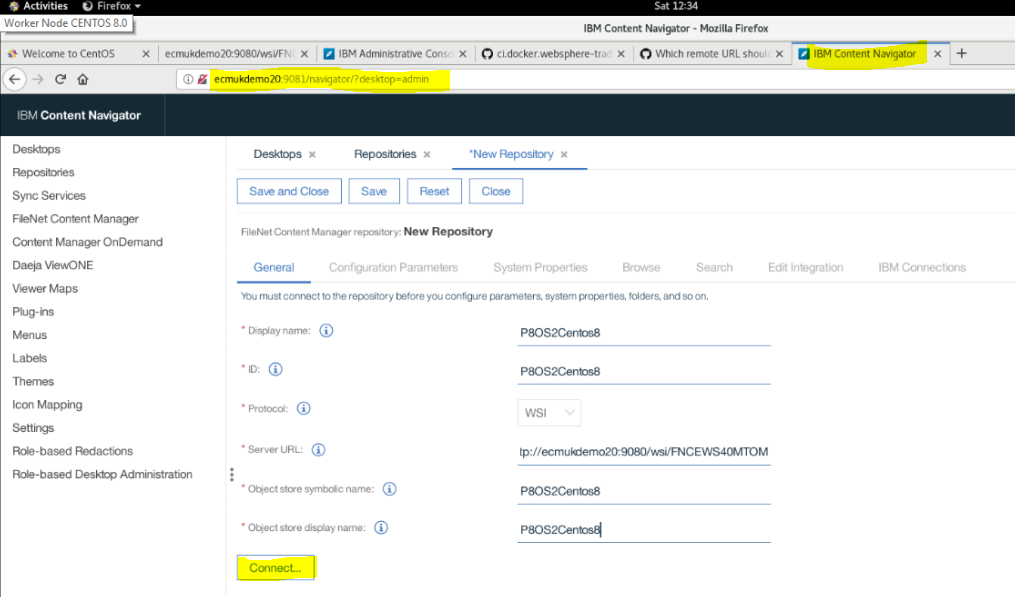


## Add the new Object store for Browsing in Content Navigator

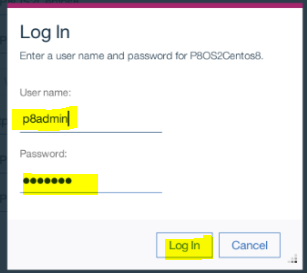
In Content Navigator select Repositories

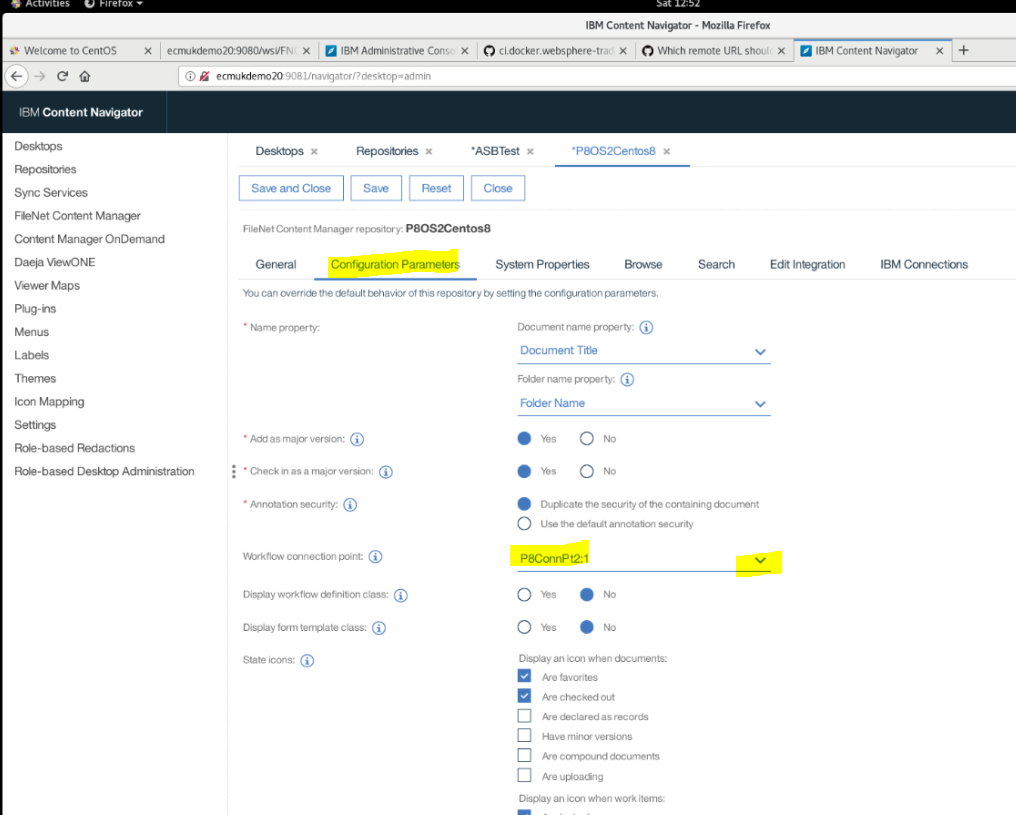


<http://ecmukdemo20:9081/navigator/?desktop=admin>

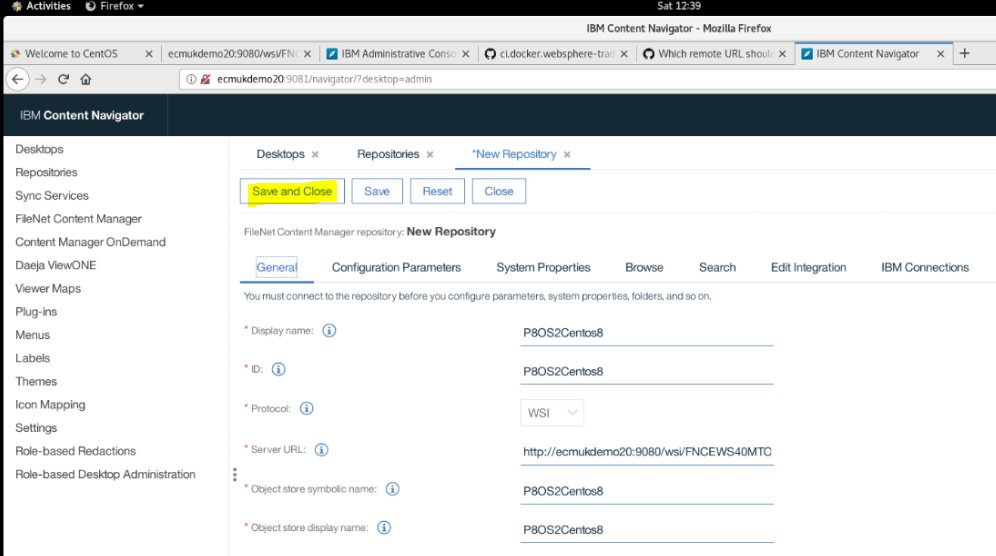


Log into the Content Platform engine

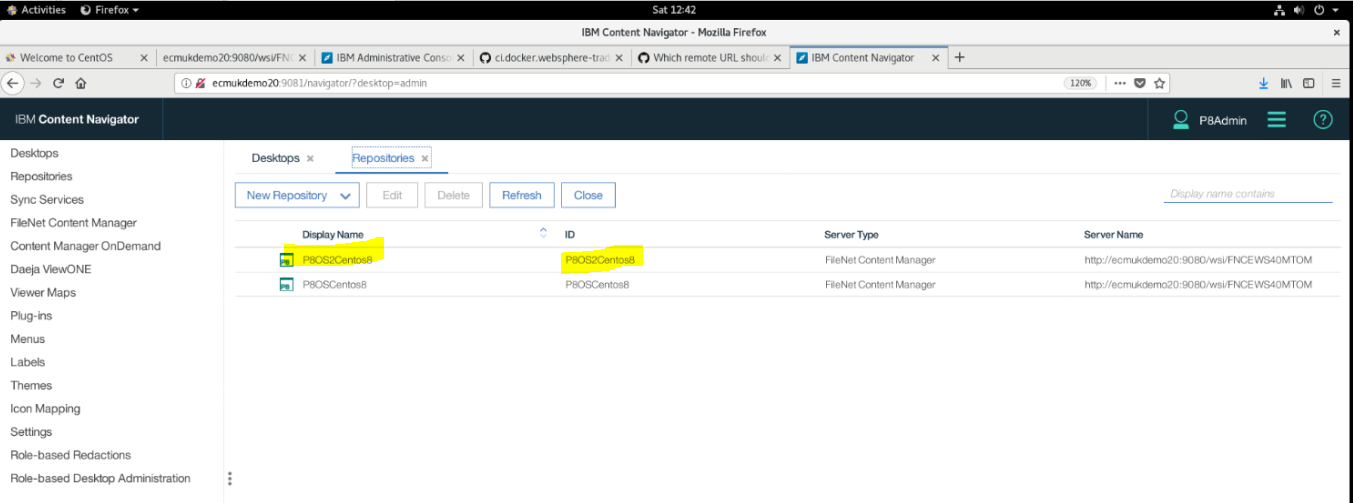




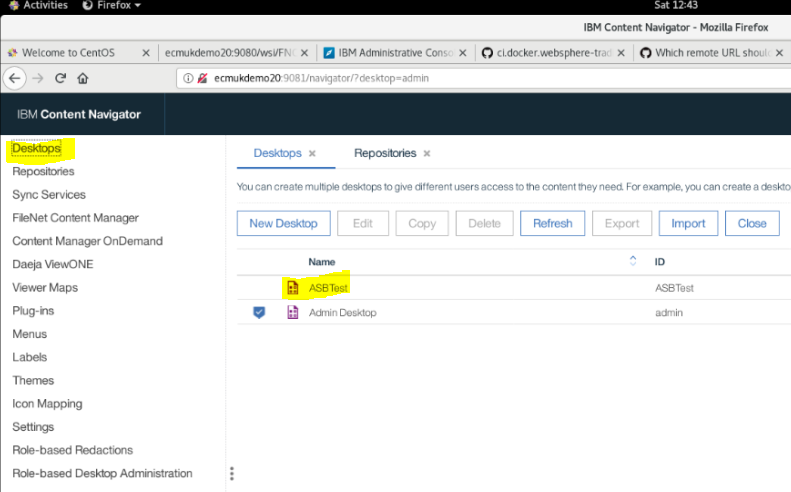
Select the workflow connection point for the new Object Store as highlighted above on the Configuration Properties tab.

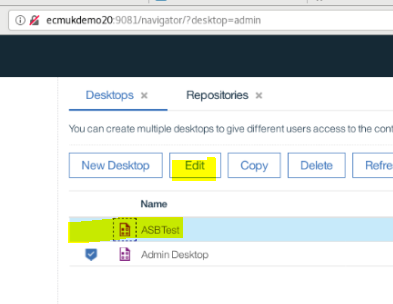


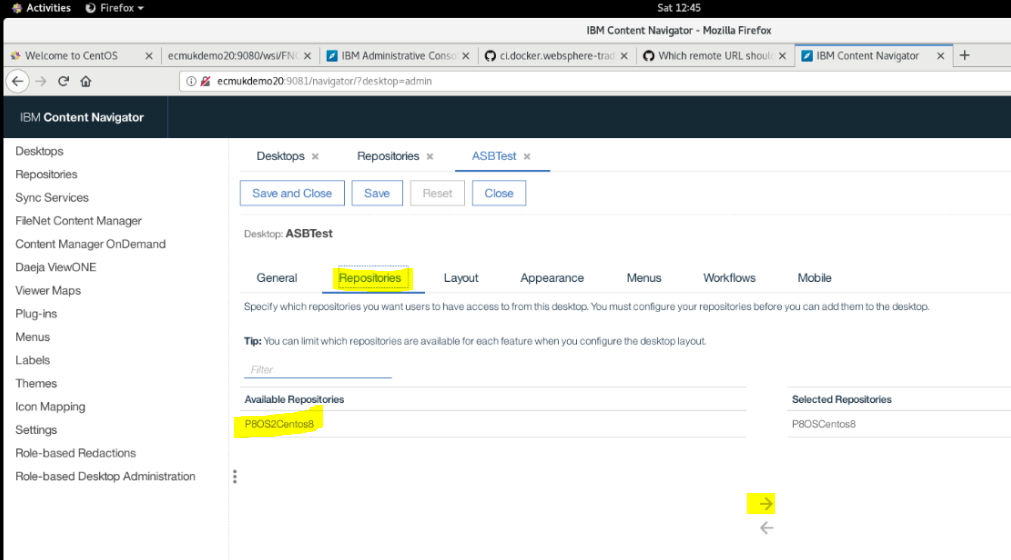
Save and close



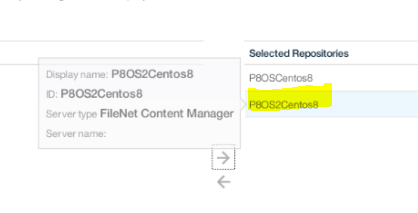
Add the repository to a Desktop

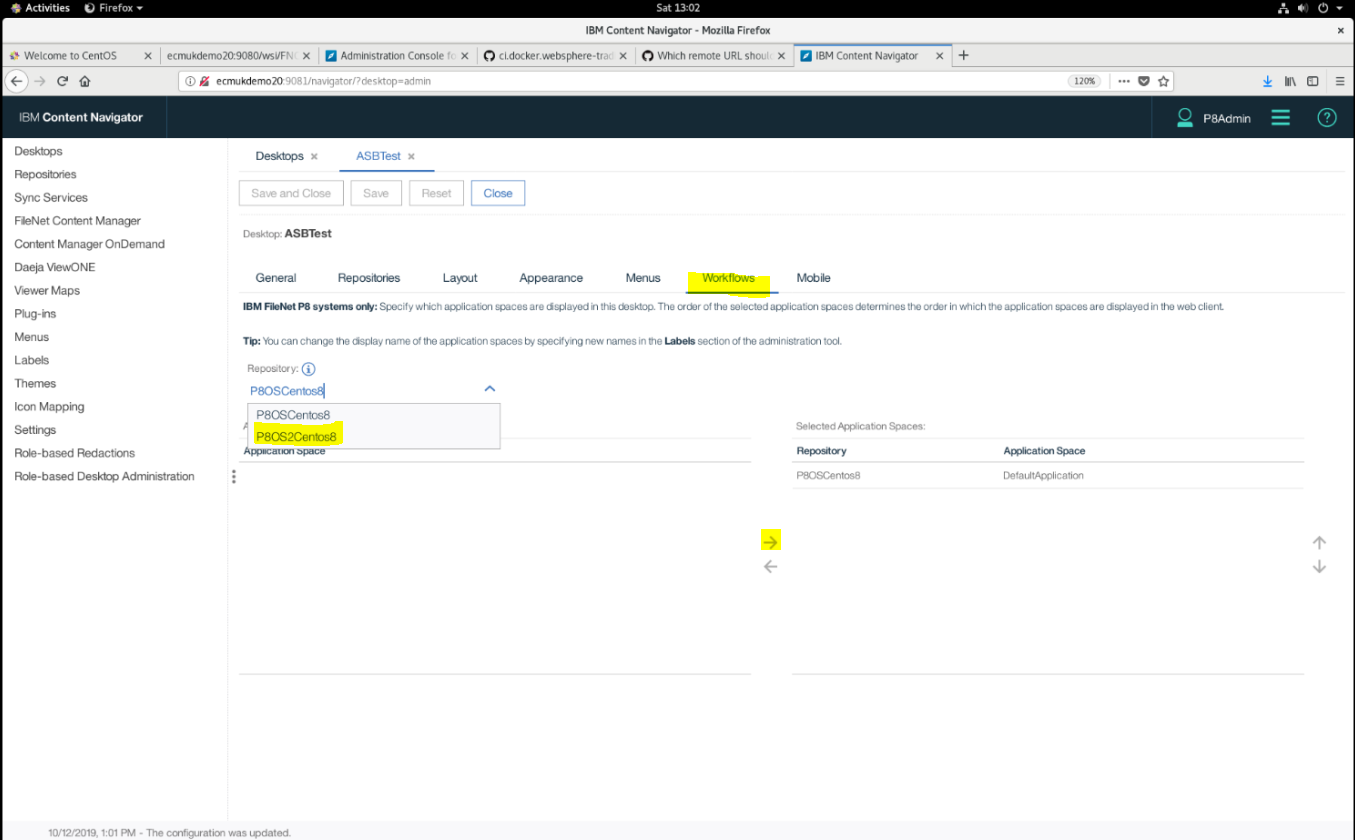




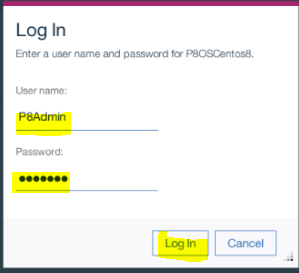


Use the arrow key on the Repositories tab to move the new Object Store as a Selected Repository

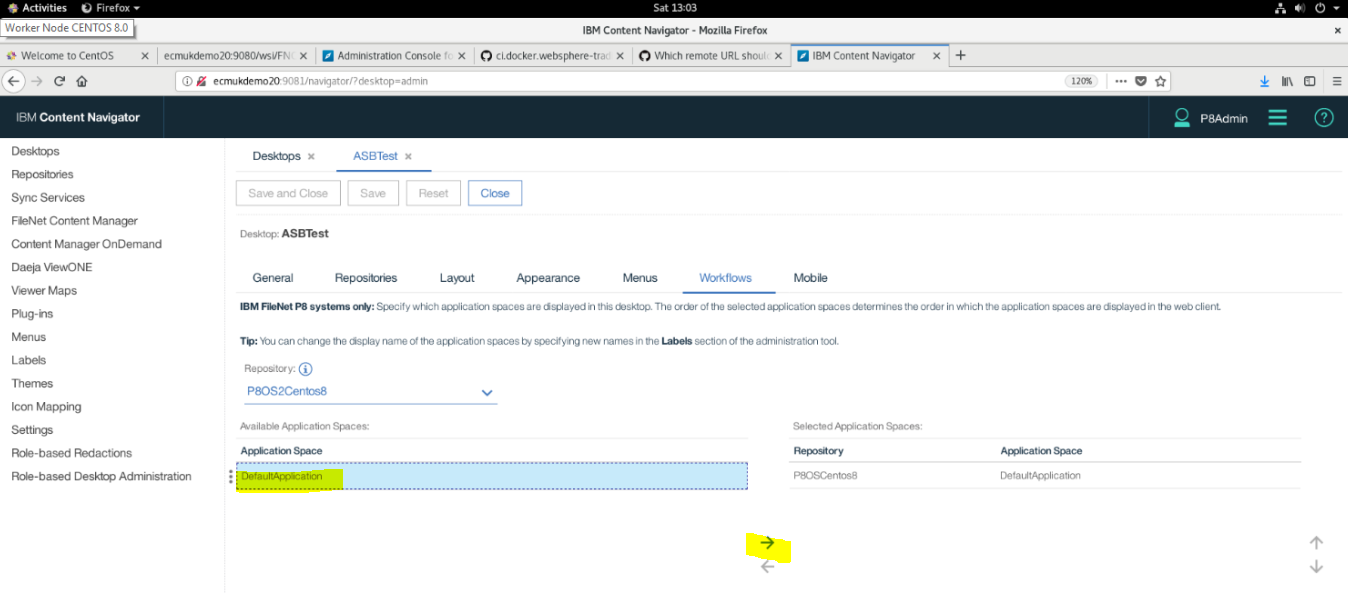




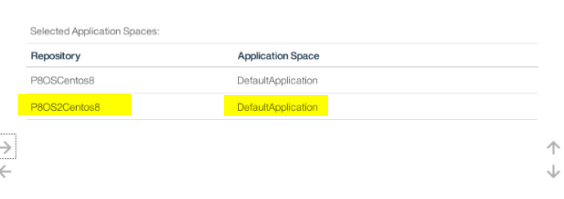
Select the Workflows tab and the select the new Object Store from the dropdown to add



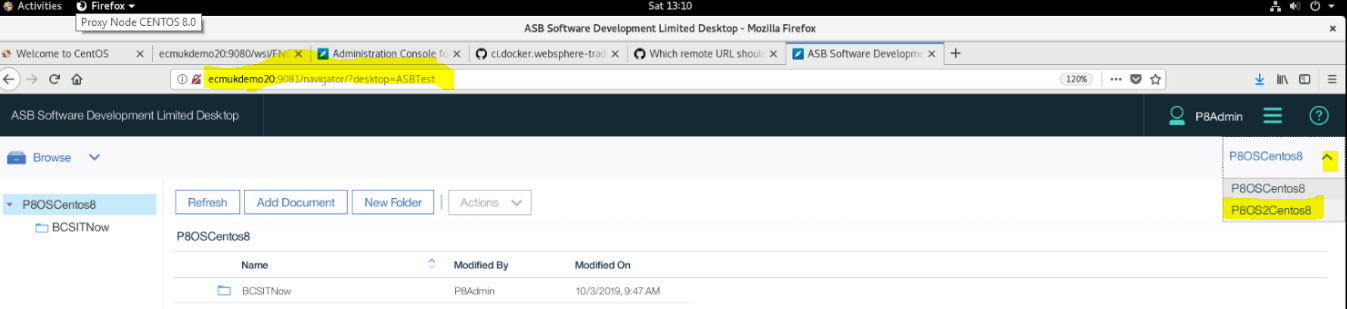
Login to the FileNet Content Platform Engine



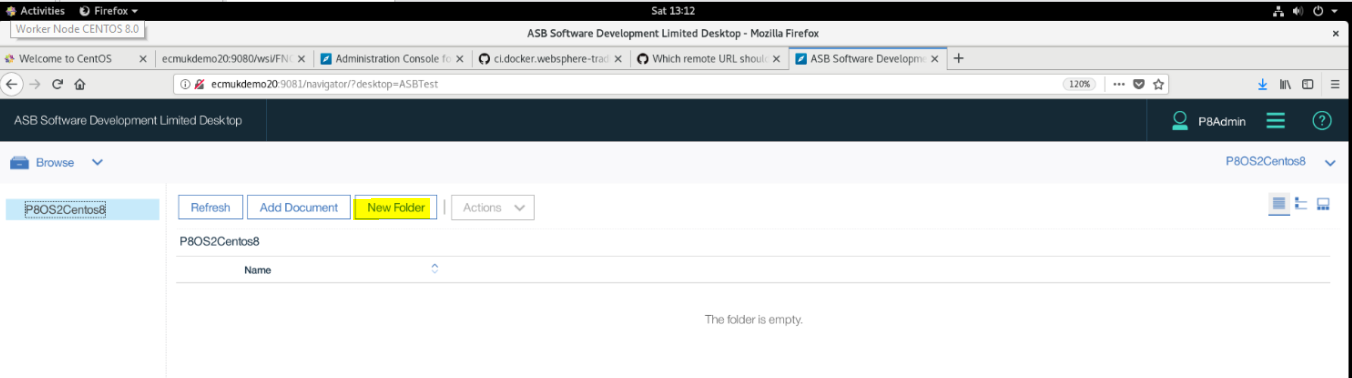
Move the DefaultApplication space over



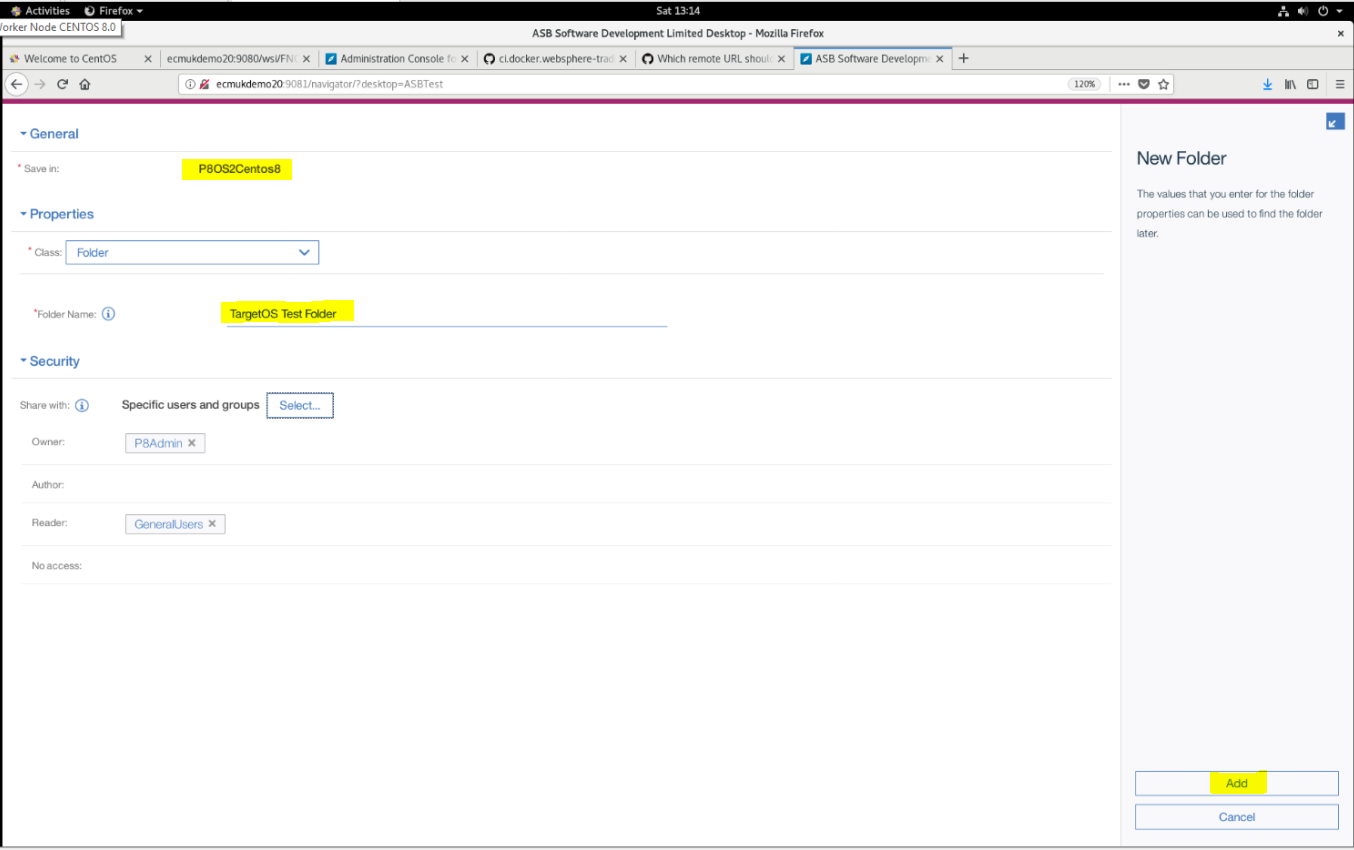
Log into the test Desktop and check the new Object store is visible



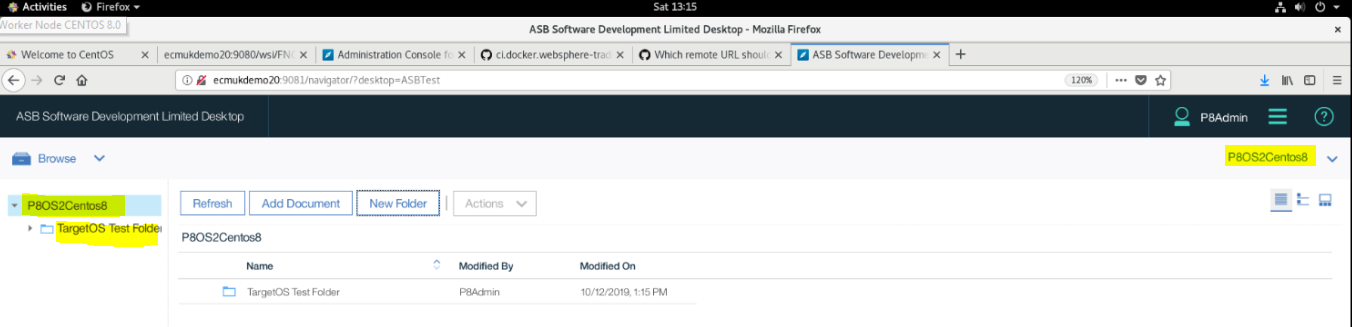
Switch to the new Object store by selecting from the drop-down on the right-hand side.



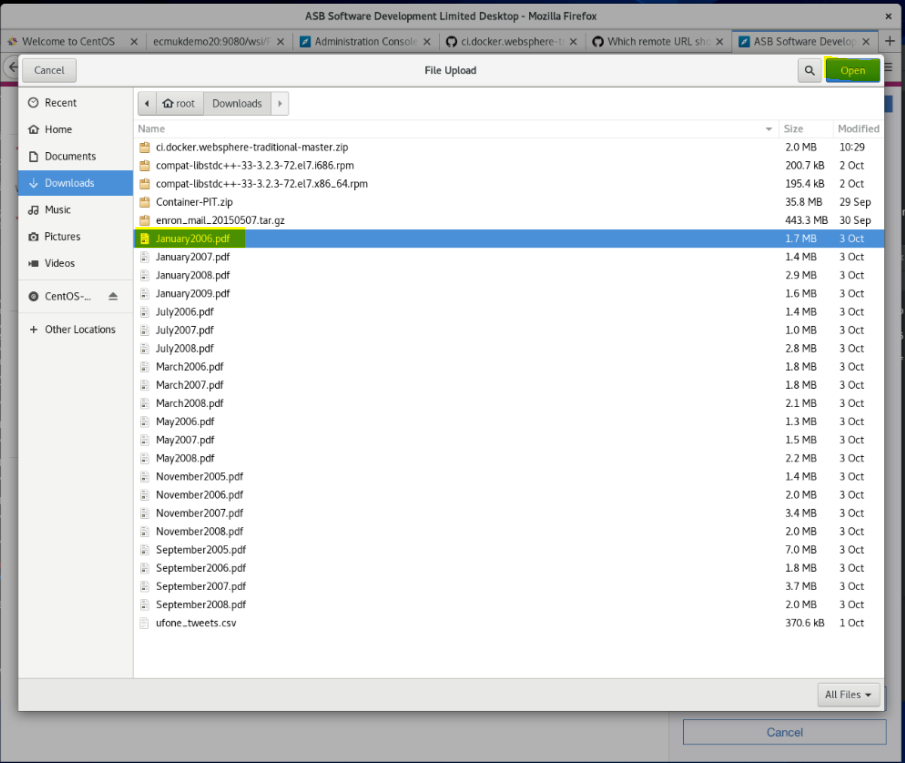
Select to create a new folder in the new object store

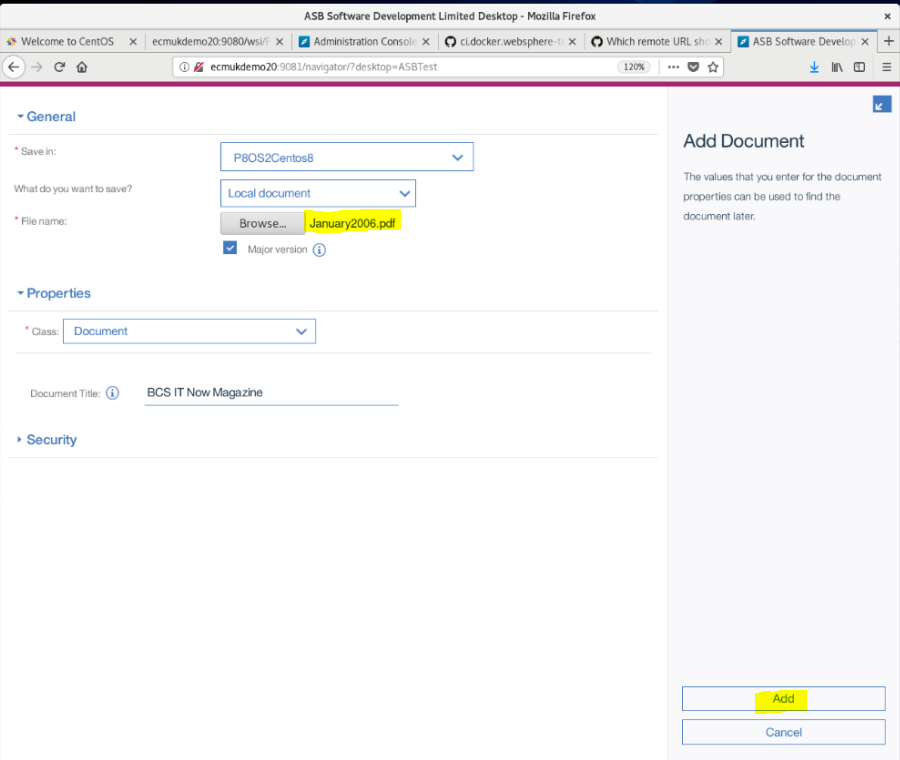


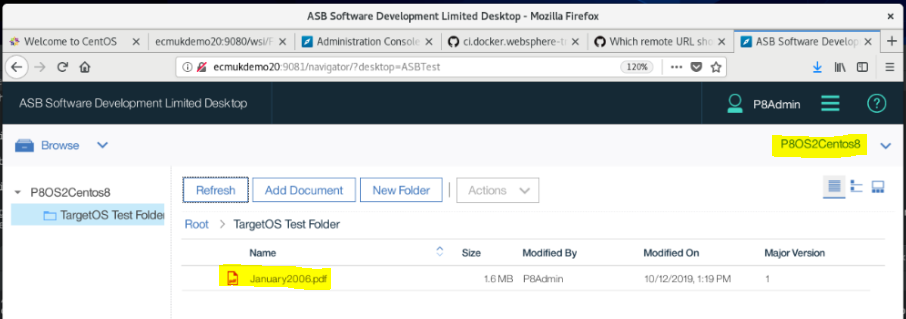
Add a New Folder



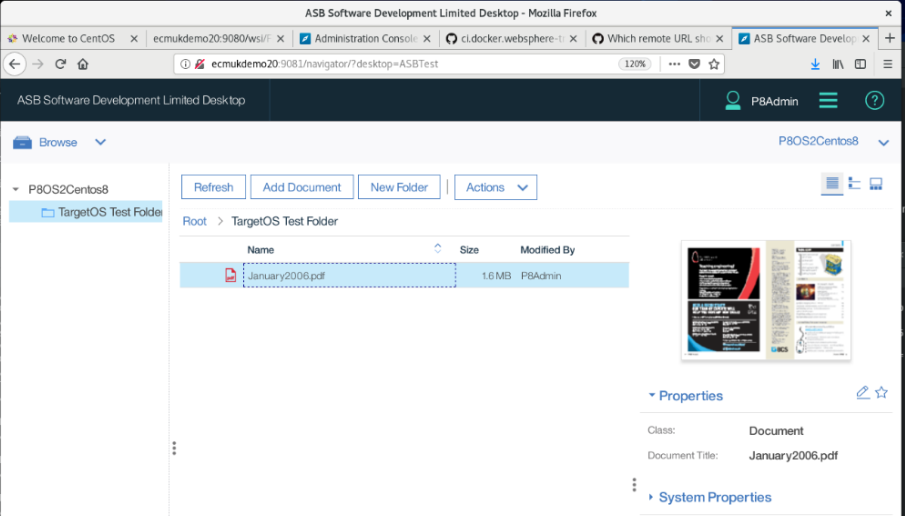
Add a new document to the folder







Document added



# Appendix A – Log of running MainCreateTargetOS.sh

[root@ecmukdemo20 Container-PIT]# **./MainCreateTargetOS.sh**

Status file found

You have accepted the IBM software license agreements, continuing to run now.

The script are running on a Linux OS, below is the system info:

/opt/ibm-cloud-private-3.2.0/cluster/Container-PIT/install-scripts/gatherHostInfo.sh: line 36: lsb\_release: command not found

/opt/ibm-cloud-private-3.2.0/cluster/Container-PIT/install-scripts/gatherHostInfo.sh: line 45: 60: command not found

================================================================================

Host name: ecmukdemo20.asbsoftware.co.uk

IP address: 10.10.10.200 192.168.50.128 10.1.14.192 192.168.122.1 172.17.0.1

OS version: \S

Kernel \r on an \m

Kernel:

CPU: 8 Intel(R) Xeon(R) Silver 4108 CPU @ 1.80GHz

CPU load average (1/5/15 mins): 5.96/3.36/2.80

CPU usage: 12%

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

total used free shared buff/cache available

Memory: 31Gi 12Gi 5.0Gi 3.9Gi 14Gi 14Gi

Swap: 39Gi 0B 39Gi

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

Filesystem Size Used Avail Use% Mounted on

/dev/sda2 20G 175M 19G 1% /boot

================================================================================

/opt/ibm-cloud-private-3.2.0/cluster/Container-PIT/install-scripts/gatherHostInfo.sh: line 73: ((: < 50: syntax error: operand expected (error token is "< 50")

==========================================

Fri Oct 11 13:19:18 EDT 2019

Begin to check user credential

Detected that you have already provided your Docker ID and password, continuing the installation now.

Finished getting user's credential

==========================================

deployDB2\_OS2DB.sh was not run before, running now!

==========================================

Fri Oct 11 13:19:18 EDT 2019

Begin to deploy OS2DB to db2\_developer\_c:11.1.4.4-x86\_64 Container db2

Copy DB2 configuration files start...

Copied DB2 configuration files to /root/cpit\_data/db2\_data successfully

Begin to create the OS2DB database...

set CUR\_COMMIT=ON

**Begin to create OS2DB database**

**OS2DB**

SQL1024N A database connection does not exist. SQLSTATE=08003

DB20000I The CREATE DATABASE command completed successfully.

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

Database Connection Information

Database server = DB2/LINUXX8664 11.1.4.4

SQL authorization ID = DB2INST1

Local database alias = OS2DB

DB20000I The SQL command completed successfully.

DB20000I The SQL command completed successfully.

DB20000I The SQL command completed successfully.

DB20000I The SQL command completed successfully.

DB20000I The DEACTIVATE DATABASE command completed successfully.

Database Connection Information

Database server = DB2/LINUXX8664 11.1.4.4

SQL authorization ID = DB2INST1

Local database alias = OS2DB

DB20000I The SQL command completed successfully.

DB20000I The SQL command completed successfully.

DB20000I The SQL command completed successfully.

DB20000I The SQL command completed successfully.

DB20000I The SQL command completed successfully.

**Grant user db2inst1 access to tablespace**

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.

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.

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.

DB20000I The UPDATE DATABASE CONFIGURATION command completed successfully.

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.

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.

DB20000I The SQL command completed successfully.

DB20000I The ACTIVATE DATABASE command completed successfully.

**OS2DB database created successfully**

Create database OS2DB took 1 minutes

**Finished create database OS2DB successfully**

==========================================

createP8OS2.sh was not run before, running now!

==========================================

Fri Oct 11 13:20:18 EDT 2019

Begin to create p8 object store with name **P8OS2Centos8**

Error response from daemon: Container **7612dbcd942a4251eddee399b79bdd76056b9fd2787ffd997be21201e0d2f3a4 is not running**

Something wrong when creating P8 Object Store.

Check /root/cpit\_data/cpe\_data/logs/cpe-host1/messages.log to see if any error

[root@ecmukdemo20 Container-PIT]#

**NB Above last script failed as the container Server needed to be rebooted, but after reboot I completed the last steps for the Object Store creation using the acce administration tool.**