**UCM (Content server 10.1.3.3 patch to 10.1.3.5) install on RH 4.6 32 bit install procedure**

NOTE: This instruction is part of the **development environment setup** and will install UCM on **/u01/ucm** as **STELLENT USER**. Please ensure that changes are made appropriately to any configuration depending where and who the install is actually done.

1. Pre-req:
   1. Files to be on the server:
      1. Install file
      2. server-linux-shared.zip
   2. Files to be on local machine:
      1. CS10gR34ContentAccessUpdate-20090505-4.zip
      2. ContentAccess-linux.zip (unzip CS10gR34ContentAccessUpdate-20090505-4.zip to get file)
      3. sitestudio9.0.0.506.zip
      4. DesktopIntegrationSuite.zip
      5. FetchChildFolders.zip
      6. OracleCaseInsensitiveSearch.zip
   3. Package httpd installed on server. If not installed, do the following:

[root@oracleucm u01]# yum install -y httpd

[root@oracleucm u01]# chkconfig --level 345 httpd on

[root@oracleucm u01]# service httpd start

Starting httpd: [ OK ]

Note: httpd is installed using yum (Yellowdog Update Modifier) so that all dependencies for that that package can be resolved easily. Ensure yum is correctly set up to run this command.

1. Configuration at DB
   1. Log in as **Oracle user** and run sqlplus as **system**.

[root@kurau ~]# su – oracle

[oracle@kurau ~]$ sqlplus

* 1. Create new content server user (idc2\_user) and new database tables by running the following sql commands:

create temporary tablespace idc2\_temp tempfile '/u01/app/oracle/oradata/orcl/idc2\_temp.dbf' SIZE 100M REUSE AUTOEXTEND ON NEXT 5120K MAXSIZE UNLIMITED;

create tablespace idc2\_sys datafile '/u01/app/oracle/oradata/orcl/idc2\_sys.dbf' size 100M reuse autoextend on next 5120k maxsize unlimited;

create USER idc2\_user IDENTIFIED by idc2\_user temporary tablespace idc2\_temp default tablespace idc2\_sys quota unlimited on idc2\_sys;

grant connect, resource to idc2\_user;

* 1. Get Oracle instance name (ORACLE\_SID)

[oracle@kurau ~]$ cat .bash\_profile

# .bash\_profile

# Get the aliases and functions

if [ -f ~/.bashrc ]; then

. ~/.bashrc

fi

# User specific environment and startup programs

export ORACLE\_BASE=/u01/app/oracle

export ORACLE\_HOME=$ORACLE\_BASE/product/10.2.0/db\_1

PATH=$PATH:$HOME/bin:$ORACLE\_HOME/bin

export PATH

unset USERNAME

#Begin

export ORACLE\_BASE=/u01/app/oracle

export OWB\_ORACLE\_HOME=$ORACLE\_BASE/product/10.2.0/wb\_1

export EDITOR=vi

export ORACLE\_SID=MISSION

umask 022

export TNS\_ADMIN=$ORACLE\_HOME/network/admin

export LD\_LIBRARY\_PATH=$ORACLE\_HOME/lib:/lib:/usr/lib:/usr/local/lib

#End

1. UCM Installation
   1. Add user (stellent)to install as:

[root@oracleucm u01]# useradd stellent

* 1. [root@oracleucm u01]# chmod -R 777 /u01
  2. Run Installer as stelent user

[stellent@oracleucm ~]$ cd /u02/UCM/V13684-01/UCM/ContentServer/linux/

[stellent@oracleucm linux]$ ./Installer

Please select your locale from the list.

1. Chinese-Simplified

2. Chinese-Traditional

3. Deutsch

\*4. English-US

5. English-UK

6. Español

7. Français

8. Italiano

9. Japanese

10. Korean

11. Nederlands

12. Português-Brazil

Choice? 4

Throughout the install, when entering a text value, you can press Enter to accept the default that appears

between square brackets ([]). When selecting from a list, you can select the choice followed by an asterisk

by pressing Enter.

Select installation type from the list.

\*1. Install new server

2. Update a server

Choice? 1

Content Server Installation Directory

Please enter the full pathname to the installation directory.

Content Server Core Folder [/oracle/ucm/server]:/u01/ucm

Create Directory

\*1. yes

2. no

Choice? 1

Java virtual machine

\*1. Sun Java 1.5.0\_11 JDK

2. Specify a custom Java virtual machine

Choice? 1

Installing with Java version 1.5.0\_11.

Enter the location of the native file repository. This directory contains the native files checked in by

contributors.

Content Server Native Vault Folder [/u01/ucm/vault/]:

Create Directory

\*1. yes

2. no

Choice? 1

Enter the location of the web-viewable file repository. This directory contains files that can be accessed

through the web server.

Content Server Weblayout Folder [/u01/ucm/weblayout/]:

Create Directory

\*1. yes

2. no

Choice? 1

This server can be configured to manage its own authentication or to allow another master to act as an

authentication proxy.

Configure this server as a master or proxied server.

\*1. Configure as a master server.

2. Configure as server proxied by a local master server.

Choice? 1

During installation, an admin server can be installed and configured to manage this server. If there is

already an admin server on this system, you can have the installer configure it to administrate this server

instead.

Select admin server configuration.

\*1. Install an admin server to manage this server.

2. Configure an existing admin server to manage this server.

3. Don't configure an admin server.

Choice? 1

Enter the location of an executable to start your web browser. This browser will be used to display the

online help.

Web Browser Path [/usr/bin/konqueror]:/bin/bash

Content Server System locale

1. Chinese-Simplified

2. Chinese-Traditional

3. Deutsch

\*4. English-US

5. English-UK

6. Español

7. Français

8. Italiano

9. Japanese

10. Korean

11. Nederlands

12. Português-Brazil

Choice? 4

Please select the region for your timezone from the list.

\*1. Use the timezone setting for your operating system

2. Pacific

3. America

4. Atlantic

5. Europe

6. Africa

7. Asia

8. Indian

9. Australia

Choice? 1

Please enter the port number that will be used to connect to the Content Server. This port must be

otherwise unused.

Content Server Port [4444]:

Please enter the port number that will be used to connect to the Admin Server. This port must be otherwise

unused.

Admin Server Port [4440]:

Enter a security filter for the server port. Hosts which are allowed to communicate directly with the

server port may access any resources managed by the server. Insure that hosts which need access are

included in the filter. See the installation guide for more details.

Incoming connection address filter [127.0.0.1]:

\*\*\* Content Server URL Prefix

The URL prefix specified here is used when generating HTML pages that refer to the contents of the

weblayout directory within the installation. This prefix must be mapped in the web server Additional

Document Directories section of the Content Management administration menu to the physical location of the

weblayout directory.

For example, "/idc/" would be used in your installation to refer to the URL http://ucm.company.com/idc

which would be mapped in the web server to the physical location /oracle/ucm/server/weblayout.

Web Server Relative Root [/idc/]:

Enter the name of the local mail server. The server will contact this system to deliver email.

Company Mail Server [mail]:

Enter the e-mail address for the system administrator.

Administrator E-Mail Address [sysadmin@mail]:

\*\*\* Web Server Address

Many generated HTML pages refer to the web server you are using. The address specified here will be used

when generating those pages. The address should include the host and domain name in most cases. If your

webserver is running on a port other than 80, append a colon and the port number.

Examples: www.company.com, ucm.company.com:90

Web Server HTTP Address [oracleucm.lab.com]:oracleucm

Enter the name for this instance. This name should be unique across your entire enterprise. It may not

contain characters other than letters, numbers, and underscores.

Server Instance Name [idc]:oracleucm

Enter a short label for this instance. This label is used on web pages to identify this instance. It should

be less than 12 characters long.

Server Instance Label [idc]:oracleucm

Enter a long description for this instance.

Server Description [Content Server idc]:

Web Server

\*1. Apache

2. Sun ONE

3. Configure manually

Choice? 1

Please select a database from the list below to use with the Content Server.

Content Server Database

\*1. Oracle

2. Microsoft SQL Server 2005

3. Microsoft SQL Server 2000

4. Sybase

5. DB2

6. Custom JDBC settings

7. Skip database configuration

Choice? 1

Manually configure JDBC settings for this database

1. yes

\*2. no

Choice? 2

Oracle Server Hostname [localhost]:192.168.9.34

Oracle Listener Port Number [1521]:

\*\*\* Database User ID

The user name is used to log into the database used by the content server.

Oracle User [user]:idc2\_user

\*\*\* Database Password

The password is used to log into the database used by the content server.

Oracle Password []:idc2\_user

Oracle Instance Name [ORACLE]:MISSION

Configure the JVM to find the JDBC driver in a specific jar file

1. yes

\*2. no

Choice? 2

The installer can attempt to create the database tables or you can manually create them. If you choose to

manually create the tables, you should create them now.

Attempt to create database tables

1. yes

\*2. no

**Choice? 1**

Select components to install.

1. ContentFolios: Collect related items in folios

2. Folders\_g: Organize content into hierarchical folders

3. LinkManager8: Hypertext link management support

4. OracleTextSearch: External Oracle 11g database as search indexer support

5. ThreadedDiscussions: Threaded discussion management

Enter numbers separated by commas to toggle, 0 to unselect all, F to finish: 1,2,3,4,5

\*1. ContentFolios: Collect related items in folios

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Enter numbers separated by commas to toggle, 0 to unselect all, F to finish: F

Checking configuration. . .

The Oracle database user is missing privileges required by some product features. The script located on

the installation media at UCM/ContentServer/database/oracle/admin/contentserverrole.sql can be used to

grant sufficient privileges or set the install property InstallTablesWithoutFullTextPriv=true to

continue installation without requiring sufficient privileges. See the install documentation for more

information.

The configuration check detected some problems with the current

configuration. It is recommended that you correct the warnings

before proceeding with the install.

Review install settings. . .

Content Server Core Folder: /u01/ucm

Java virtual machine: Sun Java 1.5.0\_11 JDK

Content Server Native Vault Folder: /u01/ucm/vault/

Content Server Weblayout Folder: /u01/ucm/weblayout/

Proxy authentication through another server: no

Install admin server: yes

Web Browser Path: /bin/bash

Content Server System locale: English-US

Content Server Port: 4444

Admin Server Port: 4440

Incoming connection address filter: 127.0.0.1

Web Server Relative Root: /idc/

Company Mail Server: mail

Administrator E-Mail Address: sysadmin@mail

Web Server HTTP Address: oracleucm

Server Instance Name: oracleucm

Server Instance Label: oracleucm

Server Description: Content Server idc

Web Server: Apache

Content Server Database: Oracle

Manually configure JDBC settings for this database: false

Oracle Server Hostname: 192.168.9.34

Oracle Listener Port Number: 1521

Oracle User: idc2\_user

Oracle Password: S8IfZ6qBKAZjHGyfQWGsIQUiMMHmlggzzS1lRQTTn6s=

Oracle Instance Name: MISSION

Configure the JVM to find the JDBC driver in a specific jar file: false

Attempt to create database tables: yes

Components: ContentFolios,Folders\_g,LinkManager8,OracleTextSearch,ThreadedDiscussions

Proceed with install

1. Proceed

\*2. Change configuration

3. Recheck the configuration

4. Abort installation

Choice? 1

Finished install type Install at 3/3/10 8:15 PM.

1. Post installation configuration
   1. Update Apache(httpd) config file:
      1. Check version of httpd:

[root@oracleucm ~]# httpd -v

Server version: Apache/2.0.52

Server built: Nov 12 2009 06:54:45

* + 1. Update the config file as root:

If version is 2.0: /u01/ucm/shared/os/linux/lib/IdcApache2Auth.so

If version is 2.2:/u01/ucm/shared/os/linux/lib/IdcApache22Auth.so

[root@ucm1 u01]# vi /etc/httpd/conf/httpd.conf

Append the following :

LoadModule IdcApacheAuth /u01/ucm/shared/os/linux/lib/IdcApache2Auth.so

IdcUserDB idc /u01/ucm/data/users/userdb.txt

Alias /idc /u01/ucm/weblayout

<Location /idc>

DirectoryIndex portal.htm

IdcSecurity idc

Allow from all

</Location>

<Location />

IdcSecurity idc

</Location>

* + 1. Restart httpd so changes take effect:

Stopping httpd: [FAILED]

Starting httpd: [ OK ]

* 1. Create startup script:

[root@ucm1 etc]# cat > /etc/init.d/stellent

#!/bin/bash

#

#

# chkconfig: 35 80 30

# description: Content Server startup script

# Source function library.

. /etc/rc.d/init.d/functions

STELLENT\_OWNER="stellent"

STELLENT\_HOME="/u01/ucm/"

start() {

su - $STELLENT\_OWNER -c "$STELLENT\_HOME/etc/idcserver\_start"

su - $STELLENT\_OWNER -c "$STELLENT\_HOME/admin/etc/idcadmin\_start"

}

stop() {

su - $STELLENT\_OWNER -c "$STELLENT\_HOME/etc/idcserver\_stop"

su - $STELLENT\_OWNER -c "$STELLENT\_HOME/admin/etc/idcadmin\_stop"

}

restart() {

stop

start

}

case "$1" in

start)

start

;;

stop)

stop

;;

restart)

restart

;;

\*)

echo $"Usage: $0 {start|stop|restart}"

esac

[root@ucm1 init.d]# chmod 750 /etc/init.d/stellent; chkconfig --add stellent --level 0356;

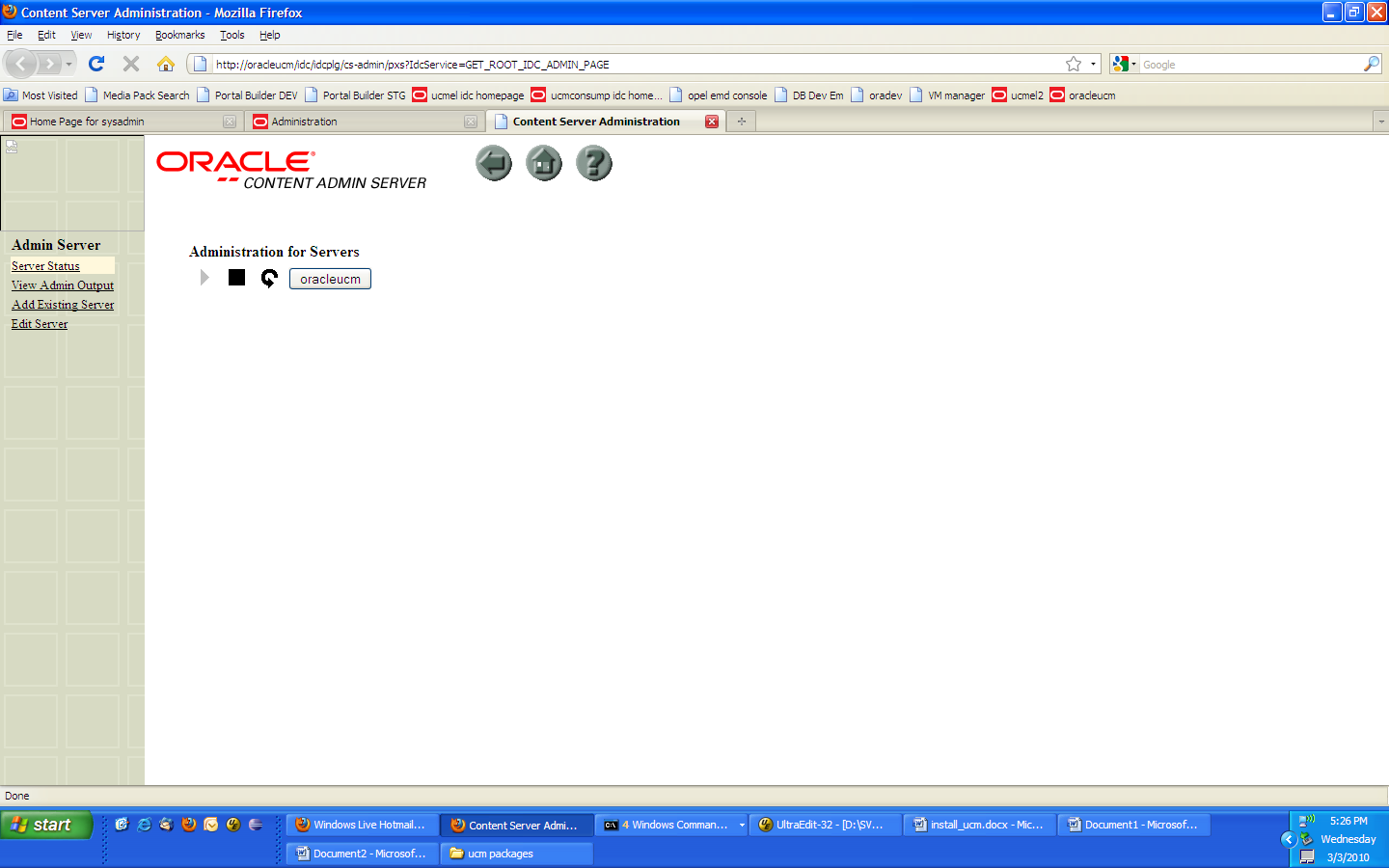
1. Patch and Package Install
   1. Step 1:
      1. Browse to: <http://oracleucm/idc/>

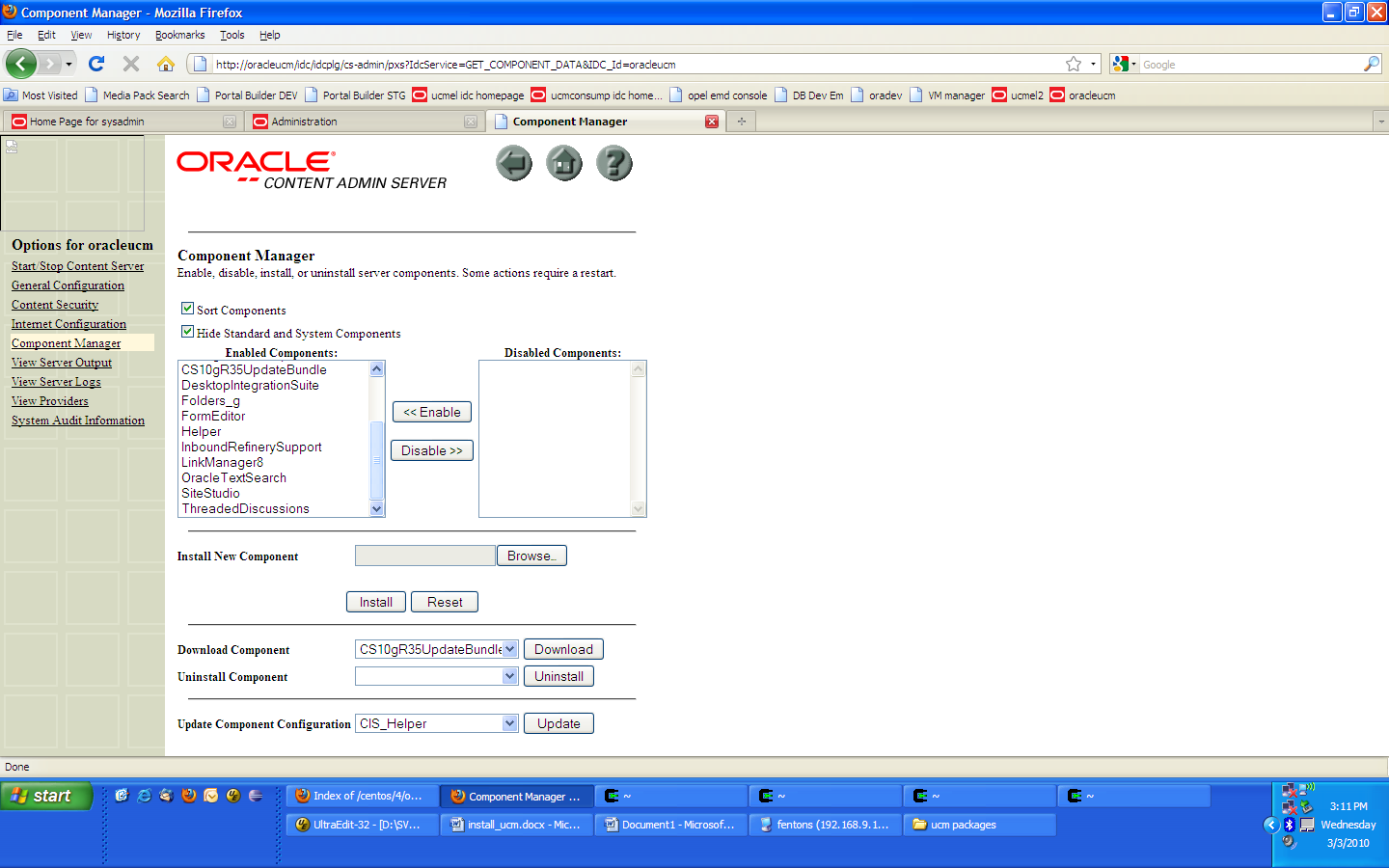
Login as

Username: sysadmin

Password: idc

* + 1. Go to Administration > Admin Server >Click Oracleucm Button>Component Manage





* + 1. Click Browse and select file **CS10gR34ContentAccessUpdate-20090505-4.zip** (on local machine)
    2. Click Install
    3. Accept all defaults
    4. Choose option to restart server
    5. Click circular arrow button (beside stop button)to restart server
    6. Do the above steps for the rest of the components:
       1. ContentAccess-linux.zip (unzip CS10gR34ContentAccessUpdate-20090505-4.zip to get file)
       2. sitestudio9.0.0.506.zip
       3. DesktopIntegrationSuite.zip
       4. FetchChildFolders.zip
       5. OracleCaseInsensitiveSearch.zip
  1. Step 2:
     1. Stop oracleucm and httpd

[root@oracleucm u01]# service httpd stop

[root@oracleucm u01]# service stellent stop

* + 1. Extract server-linux-shared.zip (on server) into the ucm folder. Answer ALL to replace all file in the directory

[root@oracleucm u01]# su - stellent

[stellent@oracleucm u01]# cd /u01/ucm

[stellent@oracleucm u01]# unzip server-linux-shared.zip

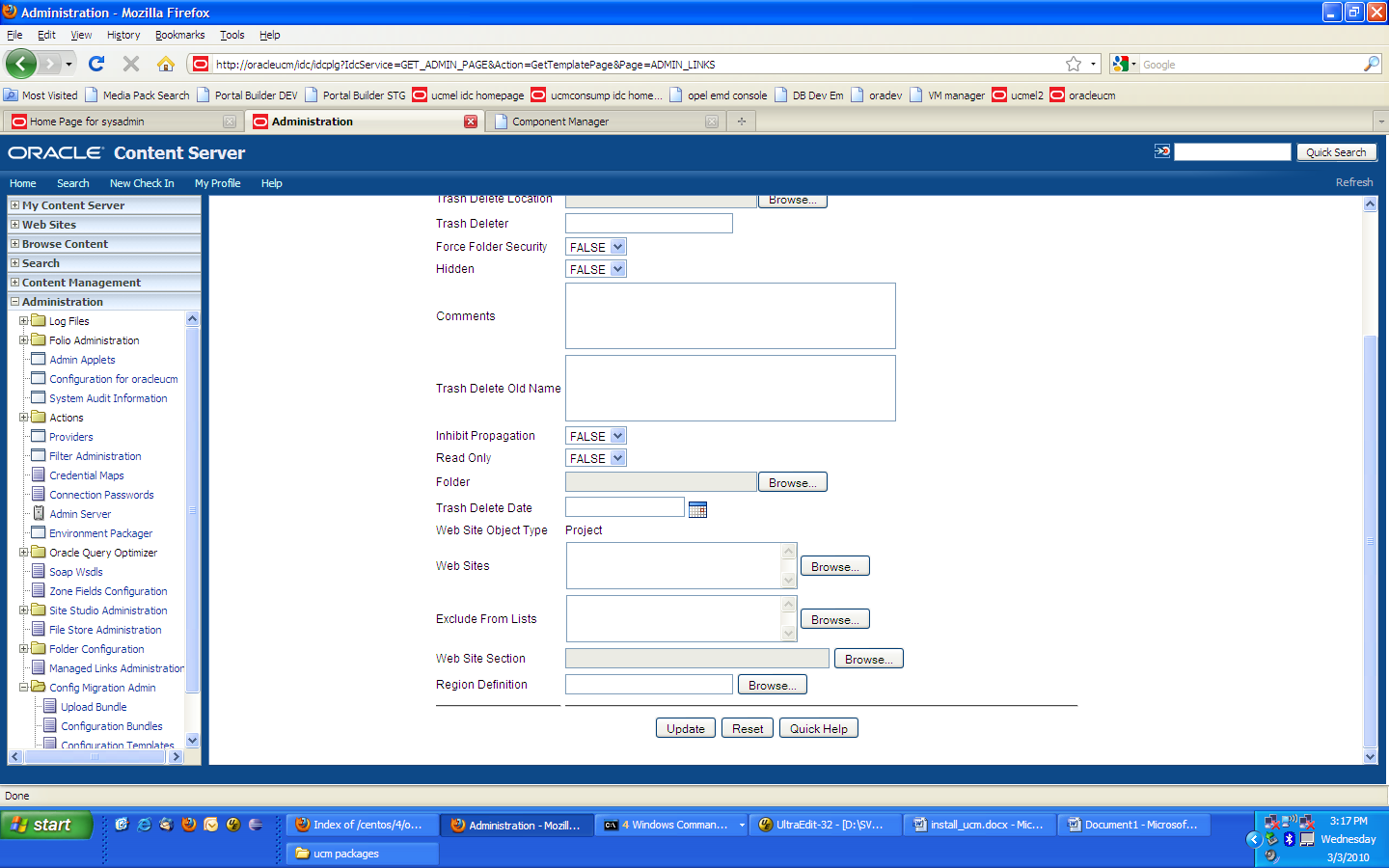
[stellent@oracleucm u01]# chmod -R 755 shared/os

* + 1. Restart oracleucm

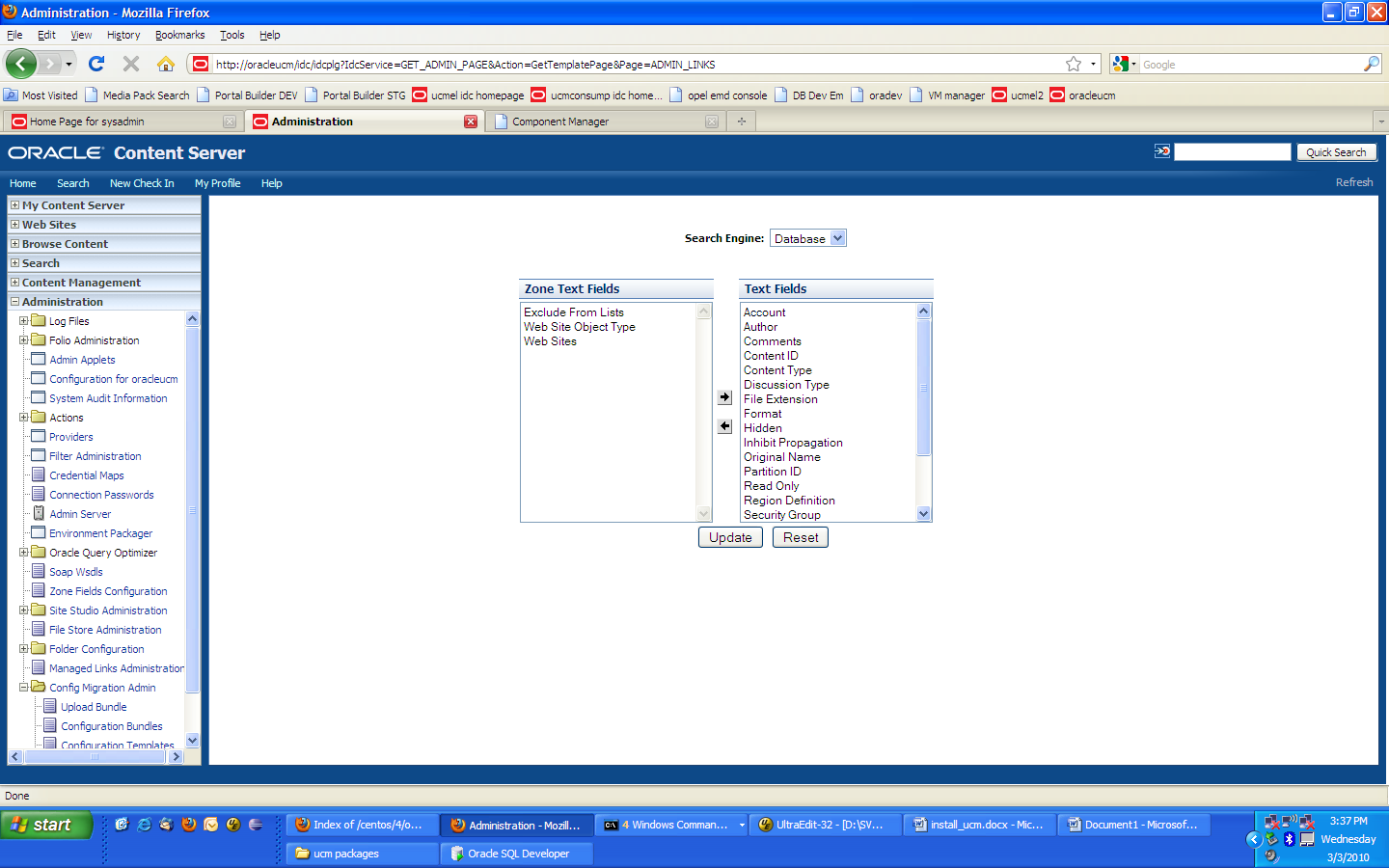
[root@oracleucm u01]# service httpd stop

[root@oracleucm u01]# service stellent stop

1. Other settings
   1. Set default metadata
      1. In EM, navigate to Administration > Site Studio Admin > Set Default Project Document Information
      2. Click update



* 1. Set fields to be indexed
     1. In EM, navigate to Administration > Zone fields configuration
     2. Move Web Site Object Type and Web Sites from Text Fields table (right) to Zone Text Fields (left)
     3. Click Update



* 1. Update who connect to content server:

[root@oracleucm u01]# vi /u01/ucm/config/config.cfg

<?cfg jcharset="UTF8"?>

#Content Server System Properties

IDC\_Name=oracleucm

IdcProductName=idccs

SystemLocale=English-US

InstanceMenuLabel=oracleucm

InstanceDescription=Content Server idc

**SocketHostAddressSecurityFilter=127.0.0.1|\*.\*.\*.\***

#Database Variables

IsJdbc=true

JdbcDriver=oracle.jdbc.OracleDriver

JdbcConnectionString=jdbc:oracle:thin:@192.168.9.34:1521:MISSION

JdbcUser=idc2\_user

JdbcPassword=S8IfZ6qBKAZjHGyfQWGsIQUiMMHmlggzzS1lRQTTn6s=

JdbcPasswordEncoding=Intradoc

DatabasePreserveCase=true

#Internet Variables

HttpServerAddress=oracleucm

MailServer=mail

SysAdminAddress=sysadmin@mail

HttpRelativeWebRoot=/idc/

CgiFileName=idcplg

UseSSL=

WebProxyAdminServer=true

#General Option Variables

#Additional Variables

DatabaseType=oracle

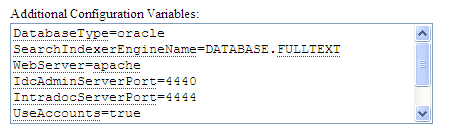
SearchIndexerEngineName=DATABASE.METADATA

WebServer=apache

IdcAdminServerPort=4440

IntradocServerPort=4444

1. Full-Text Search
   1. In EM, navigate to Go to Administration > Admin Server >Click Oracleucm Button> General
   2. In the Additional Configuration Variables edit box change SearchIndexerEngineName=DATABASE.METADATA to SearchIndexerEngineName=DATABASE.FULLTEXT



* 1. Restart oracleucm
  2. From oracleucm file system, from directory /u01/ucm/database/oracle/admin/, copy batchsnippets.sql and stellentrole.sql to the database filesystem
  3. Login to the database as oracle and run sqlplus as the content server db user (idc2\_user). Run batchsnippents.sql

[oracle@kurau ~]$ sqlplus

SQL\*Plus: Release 10.2.0.4.0 - Production on Mon Mar 29 11:34:50 2010

Copyright (c) 1982, 2007, Oracle. All Rights Reserved.

Enter user-name: idc2\_user

[oracle@kurau ~]$ sqlplus

SQL\*Plus: Release 10.2.0.4.0 - Production on Mon Mar 29 11:36:12 2010

Copyright (c) 1982, 2007, Oracle. All Rights Reserved.

Enter user-name: idc2\_user

Enter password:

Connected to:

Oracle Database 10g Enterprise Edition Release 10.2.0.4.0 - 64bit Production

With the Partitioning, Oracle Label Security, OLAP, Data Mining Scoring Engine

and Real Application Testing options

SQL> @batchsnippets.sql

* 1. Run sqlplus as SYSTEM and run stellentrole.sql

[oracle@kurau ~]$ sqlplus

SQL\*Plus: Release 10.2.0.4.0 - Production on Mon Mar 29 11:42:34 2010

Copyright (c) 1982, 2007, Oracle. All Rights Reserved.

Enter user-name: system

Enter password:

Connected to:

Oracle Database 10g Enterprise Edition Release 10.2.0.4.0 - 64bit Production

With the Partitioning, Oracle Label Security, OLAP, Data Mining Scoring Engine

and Real Application Testing options

SQL>@ stellentrole.sql

SQL> grant stellent\_role to idc2\_user;

SQL> grant unlimited tablespace to idc2\_user;

* 1. Go to EM, navigate to Administration > Admin Applets > Repository Manager > Indexer tab
  2. In the Collection Rebuild Cycle, click Start to start the indexer. Wait until the Start button is enabled again.
  3. Go to option, Exit.



INSTALLATION NOTES:

1. DEVELOPMENT
   1. Database:
      1. Hostname: kurau.htp-mohe
      2. IP: 192.168.9.24
      3. File system user/password: root/p244w0rd, oracle/oracle
      4. DB system password: p244w0rd
      5. Content server user/password: idc2\_user/idc2\_user
      6. Table space directory: /u01/app/oracle/oradata/orcl/
      7. Oracle Instance Name: MISSION
   2. Content Server:
      1. Hostname: oracleucm.lab.com
      2. IP: 192.168.9.176
      3. File system user/password: root/welcome1, stellent/welcome1
      4. UCM installed as stellent user
      5. Install directory: /u01/ucm
      6. EM URL: <http://oracleucm/idc>
      7. Sysadmin password: idc
2. STAGING
   1. Database:
      1. Hostname: ketuka.oas.com.my
      2. IP: 10.22.191.159
      3. File system user/password: root/pmo123, oracle/oracle
      4. DB system password: pmo123
      5. Content server user/password: idc4\_user/idc4\_user
      6. Table space directory: /u01/app/oracle/oradata/MISSION/
      7. Oracle Instance Name: MISSION
   2. Content Server:
      1. Hostname: plotan.oas.com.my
      2. IP: 10.22.191.157
      3. File system user/password: root/welcome1, oracle/oracle
      4. UCM installed as oracle user
      5. Install directory: /home/oracle/product/10.1.3/ucm\_2
      6. EM URL: <http://ucmstage/idc>
      7. Sysadmin password: idc
      8. NOTE: Since there are no DNS, put entry inside host file:

10.22.191.157 ucmstage