TCS BaNCS

INSTALLATION MANUAL

CONFIDENTIAL

NOTICE

Document Release Note

Notice No.:

Customer: Royal Skandia

Project: TCS BaNCS

Document details

Name	Version	Description
TCS BaNCS Installation Manual	0.1	Draft TCS **BaNCS** Installation guidelines for non production environment.
TCS BaNCS Installation Manual	0.2	Changes made by TCS
TCS BaNCS Installation Manual	0.3	Review comments posted by Piyush/Philip (HCL) in this document
TCS BaNCS Installation Manual	0.4	Changes made by TCS
TCS BaNCS Installation Manual	0.5	Changes made by TCS
TCS BaNCS Installation Manual	0.6	Changes made by TCS
TCS BaNCS Installation Manual	0.7	Changes made by TCS
TCS BaNCS Installation Manual	0.8	Changes made by TCS
TCS BaNCS Installation Manual	0.9	Changes made by TCS
TCS BaNCS Installation Manual	0.10	Changes made by TCS
TCS BaNCS Installation Manual	1.0	Changes made by TCS
TCS BaNCS Installation Manual	1.1	Changes made by TCS
TCS BaNCS Installation Manual	1.2	Changes made by TCS
TCS BaNCS Installation Manual	1.3	Changes made by TCS

Revision details

Action taken (Add/Del/Change)	Previous Page Nos.	New Page Nos.	Revision Description

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Document Revision List

Customer: Royal Skandia

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Release Notice Reference (for release)

Revision No.	Revision Date	Revision Description

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Preface

About this Document

This guide enables you in installing TCS BaNCS application. The TCS BaNCS application is packaged as TCS BaNCS wrap solution, which includes securities processing, wealth management, CA and Insurance Integration along with SI.

Intended Audience

The intended audience of this document is the Customer IT team and other focus groups that will use this document to install/deploy and configure the application at Customer premises.

Conventions

This document uses the following typographic conventions and symbols to make information easier to access and understand.

Item	Description	Example
Capital letters	Keyboard strokes are printed in capital letters.	Press TAB to move to the Password field.
Note	Specifies the supplementary information that is useful to the completion of a task.	Note: If you are a new user, contact your system administrator for user name and password.
<MW_HOME>	The path where Middleware is installed.	E:/Oracle/Middleware
<INSTALLER_HOME>	The path where BancsInstaller is placed.	E:/BancsInstaller
<BANCS_HOME>	The path where the BancsProduct should be installed.	M:/BaNCSFS/BancsProduct
<SI>	Service Integrator Setup	<BANCS_HOME> /SI_6.3
<Batch>	Batch Scheduler Setup	<BANCS_HOME> /Batch
PDN	Product Deliver Note Document	BaNCSProductDeliveryNote

This guide provides the prerequisites and tasks that need to be carried out by Customer's IT teams during installation. The purpose of this document is to provide quick steps that are essential for installing the product.

You can refer this guide for installing Initial non production version and the future product builds.

1.1 Document Organization

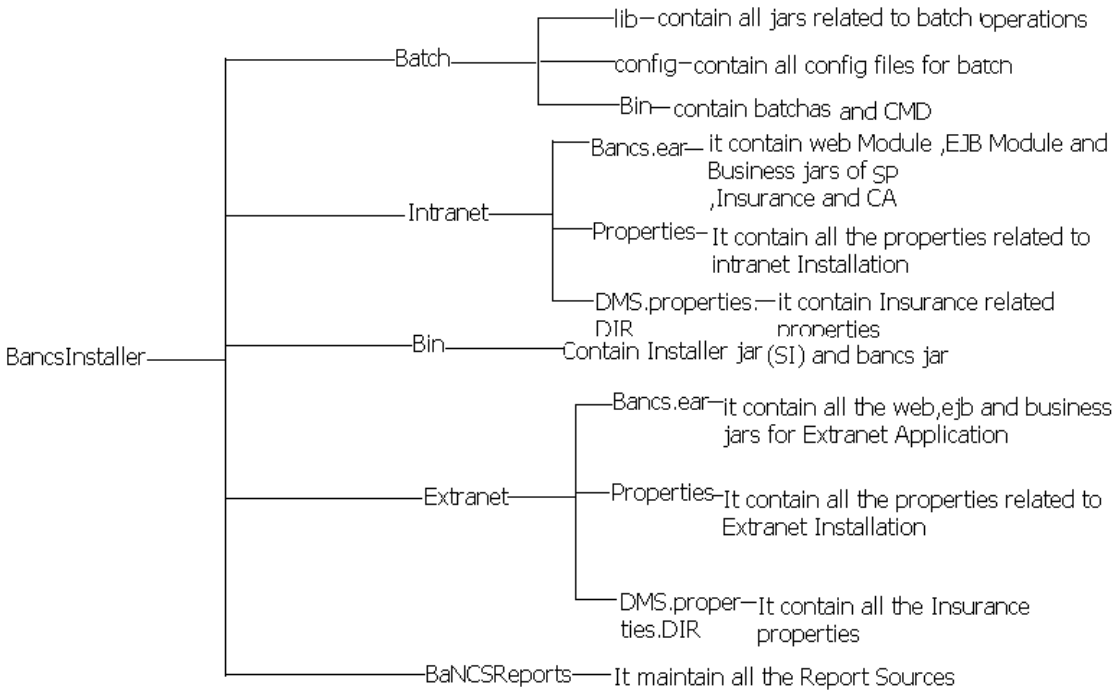
The document is primarily organized into 3 sections that cover the following:

Section 1	Preface provides the information on intended audience of the guide, document organization and product deliverables.
Section 2	Pre-Requirements for Installation, provides pre installation steps that need to be run prior to installation.
Section 3	Installation Procedure, describes the necessary installation steps and procedures

1.2 Delivery Components

A compressed version of the BancsInstaller with application, batch, SI, Installers and scripts will be delivered.

BancsInstaller consists of the following folders and files:



Note: The components listed above are dropped as TAR file on the FTP site or delivered in a DVD.

The following are delivered as part of the Bancs software. The below components are dropped as TAR file on the FTP site or delivered in a diskette.
1. Database dump with pre-loaded sample data
2. BANCS Intranet application packaged as EAR containing
• WEB Modules (WAR files)
• EJB Modules (JAR files)
• Configuration files
3. The batch programs and interface programs packaged as Java Archives (JAR)

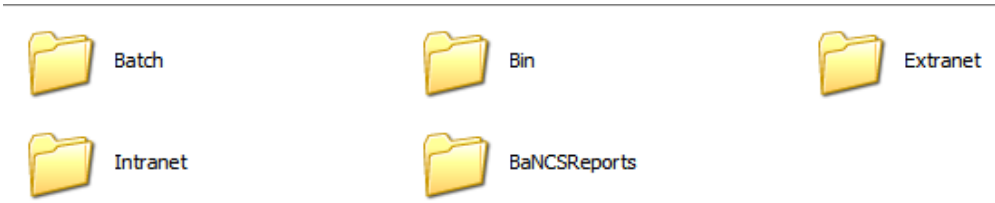
The deployment is facilitated with Scripts and Specialized ANT tasks for

• Installation of Intranet Application
• Batch Setup
• Installation of Extranet Application
• Installation of Bancs Service Integrator

Based on the above, the following aspects are to be considered for the installation of Web, Application and DB server

1.3 <Installer_HOME> directory structure

The following is the directory structure of *BancsInstaller*:



Requirements for Installation

This section provides the pre-requisites / tasks which needs to be carried out by Customer IT teams prior to the installation of BaNCS Application.

1.4 BaNCS Environment Pre-requisites

Below tables presents the Hardware, Software and Minimum memory requirements for BaNCS:

Server hardware and Software

Memory (per environment)	20GB
Available Disk Space (For WebLogic and Database server machines)	100 GB
Operating System	Windows Server 2008 R2
JAVA Runtime Environment & Java Development Kit	1.6_29
Application Server	Oracle WebLogic 10.3.5
Database Server	Oracle 11.2.0.1.0

Client Desktop hardware and Software

Memory	2 GB
Operating System	Windows XP and above
Web Browser	Java Script Enabled IE 8.0 or above

Minimum Memory Utilization by various components of Application

Intranet weblogic server	1.5 GB
Extranet weblogic server	1.5 GB
Batch	7.5GB(.75*10)
Installer	1GB
Admin server	.75GB
Scheduler	.75GB
NAP	1.5GB
SI Bulk JVM	1GB
SI Message JVM	1GB
OS Processes	2.5 GB
Approx Minimum Memory Requirement	**~20GB**

1.5 Application Server Machine Pre-requisites

Install the following in the application server machine.

1. Oracle Weblogic 10.3.5 with JDK 1.6.29
2. 7-Zip (to untar the content)

1.6 Environment Settings

- Set the JAVA_HOME directory path to the system variable (JAVA_HOME).
  For example, set JAVA_HOME =D:\bea1035\jdk160_05.
- Set the MW_HOME directory path to the system variable (MW_HOME).
  For example, set MW_HOME= D:\bea1035.

1.7 Database Server Machine Pre-requisites

Install Oracle 11.2.0.1.0 in database server machine.

This section describes the pre-requisites and steps for database creation and setup.

1. Once database is created we have to check few parameters before creating tablespace, users.

1] Maximum number of session
2] NLS Character set.

2. Go to command prompt and execute the following command

1]set ORACLE_SID=<your sid>
e.g.:
set ORACLE_SID=orcl

2] sqlplus /nolog

3] conn / as sysdba

It will connect to DB as user as SYS.

3. Check the maximum number of sessions, processes by

SQL> show parameter sessions

SQL> show parameter process

Its value should be greater than 1000.If the value is not greater than 1000 we can set the values in pfile which is explained in step 5.

4. Check the NLS character set by

```
SELECT parameter,
  value
FROM nls_database_parameters
WHERE parameter IN( 'NLS_CHARACTERSET','NLS_NCHAR_CHARACTERSET');
```

Its value should be as below:

	PARAMETER	VALUE
1	NLS_CHARACTERSET	AL32UTF8
2	NLS_NCHAR_CHARACTERSET	AL16UTF16

5.Create a folder named 'files' in E:Drive and execute the following commands in sql prompt.

1]create pfile='E:\app\oracle\product\11.2.0\dbhome_1\database\PFILEORCL.ORA'
from spfile='E:\app\oracle\product\11.2.0\dbhome_1\database\SPFILEORCL.ORA';

2]shutdown immediate

3]Rename the existing SPFILEORCL.ORA at path 'E:\app\oracle\product\11.2.0\dbhome_1\database to SPFILEORCL_BK.ORA

4]Open the PFILEORCL.ORA at E:\app\oracle\product\11.2.0\dbhome_1\database and add the following line at the end.

*.utl_file_dir='E:\files'

5] Check the value for session, process, open cursers are greater than 1000, If not set the value of session, process as 1000, open cursers as 2000 and save the PFILEORCL.ORA.

6]Execute the below commands in sql prompt
create spfile='E:\app\oracle\product\11.2.0\dbhome_1\database\SPFILEORCL.OR
A' from pfile='E:\app\oracle\product\11.2.0\dbhome_1\database\PFILEORCL.ORA';
startup;

6. Creating Tablespaces and Directory:

1) Go to E:\ Drive and create a folder named **DBDumps .**
2) Copy the tablespace_directory_utility.sql file in **DBDumps folder .**
3) Run the tablespace_directory_utility.sql file from SYS User as below. Change Password (Password for sys will be given at the time of DB installation.If you don't have the password check with team who has installed DB) and SID according to your environment.

sqlplus sys/**password**@**SID** as sysdba @E:\DBDumps\tablespace_directory_utility.sql

It will ask for two values.

Enter Directory Path Example => E:\DBDumps
Enter DataFile Path Example => E:\app\oracle\oradata\orcl\

7.Import the BANCS Dump :

Open a new command prompt and execute the below command. Change Sid according to your environment. Change the name of dumpfile according to dumpfile delivered. It will ask for password, give the password and execution will start.

impdp system@**sid** dumpfile= **<dumpfilename>** logfile=BANCSDB_imp.log directory=dir1

Example:

impdp system@orcl dumpfile= PATENVDB_SPANDINS_6.1.0.0.DMP logfile=BANCSDB_imp.log directory=dir1

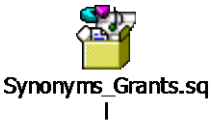
Once Import is done You can check the log file from the Directory Path(E:\ DBDUMPS).You can ignore the compilation warnings which will come during import.

8. After import connect to sql as sysdba and execute Synonyms_Grants.sql

Copy Synonym_Grants.sql to E:\DBDumps folder and execute the following command.

Syntax: Change password and sid according to your environment.

sqlplus sys/**password**@**SID** as sysdba @E:\DBDumps\ **Synonyms_Grants.sql**



Note:
ORACLE SID should be made available for configuring the BANCS application database i.e. network connectivity should exist between server where database is installed and server where BANCS and SI application is installed.

1.8 Service Integrator(SI) Pre-requisites

- EMS Queues has to be set up before the installation of SI for Communication with TIBCO and Other External Systems.

1.9 BaNCS Installation

To install BaNCS application, do the following:

Go to <INSTALLER_HOME>/bin folder and find the following installer files,

1. **BaNCSIntranet Setup**: - Installer for creating the weblogic domain, weblogic resources for Intranet deployment like jdbc, jms and managed server. This installer is useful for creating a single managed server weblogic domain and cannot be used for creating clustered weblogic domain.
2. **BaNCSExtranet Setup**: - Installer for creating the weblogic domain, weblogic resources for Intranet deployment like jdbc, jms and managed server. This installer is useful for creating a single managed server weblogic domain and cannot be used for creating clustered weblogic domain.
3. **BaNCSBatchSetup**: - Installer for building Batch setup (changing the paths, host ip and ports where ever applicable according to the environment) and makes the Batch setup complete.

Note:

- Before running the installers from <INSTALLER_HOME>/bin directory make sure that the executable permissions are given to the Installers.
- The order of execution of installers should be Intranet, Extranet,Batch, and SI. Because SI and Batch have a dependency with Intranet properties and Final Reports.

1.10 BaNCS Single Server Setup

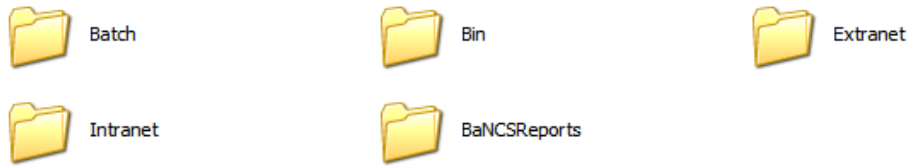
1.10.1 Bancs Installer

About the Installer:

This installer is used to build BaNCS Intranet application in “Single Managed Server” domain, also can be used for applying incremental patches.

Full Installation (Basic Setup):

1. Create folder E:\BancsInstaller and Unzip the BancsInstaller.tar to E:\BancsInstaller. After unzipping we get following folder structure



2. Create a folder BancsProduct in M:\BANCSFS this will be the path of the folder which contain final product. If SI is to be installed in same machine create a folder SI inside E:\BancsProcuct where SI will be installed. IF SI is to be installed in different machine create a SI folder in that

machine and create a share to this machine(For clustered environments SI will be there in different machine)

3. Open the command prompt and go to <Installer_HOME>\Bin
4. Run the Executable jar with following command

   Syntax:

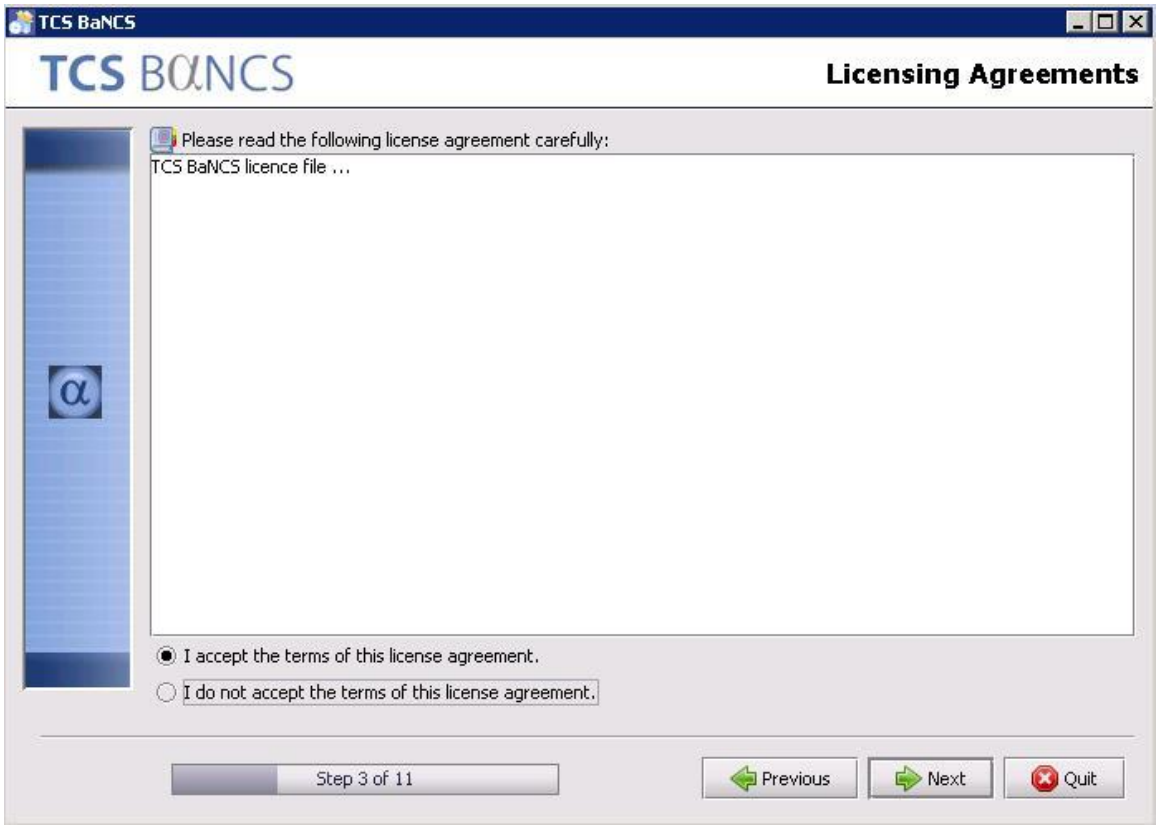
   Java -Xmx1024m –jar <jar name >

   Ex: java -Xmx1024m –jar bancs.jar

5. At first language selection panel will come

Select the language and click OK

6. Click next until you arrive at License panel, in this panel you have to accept license

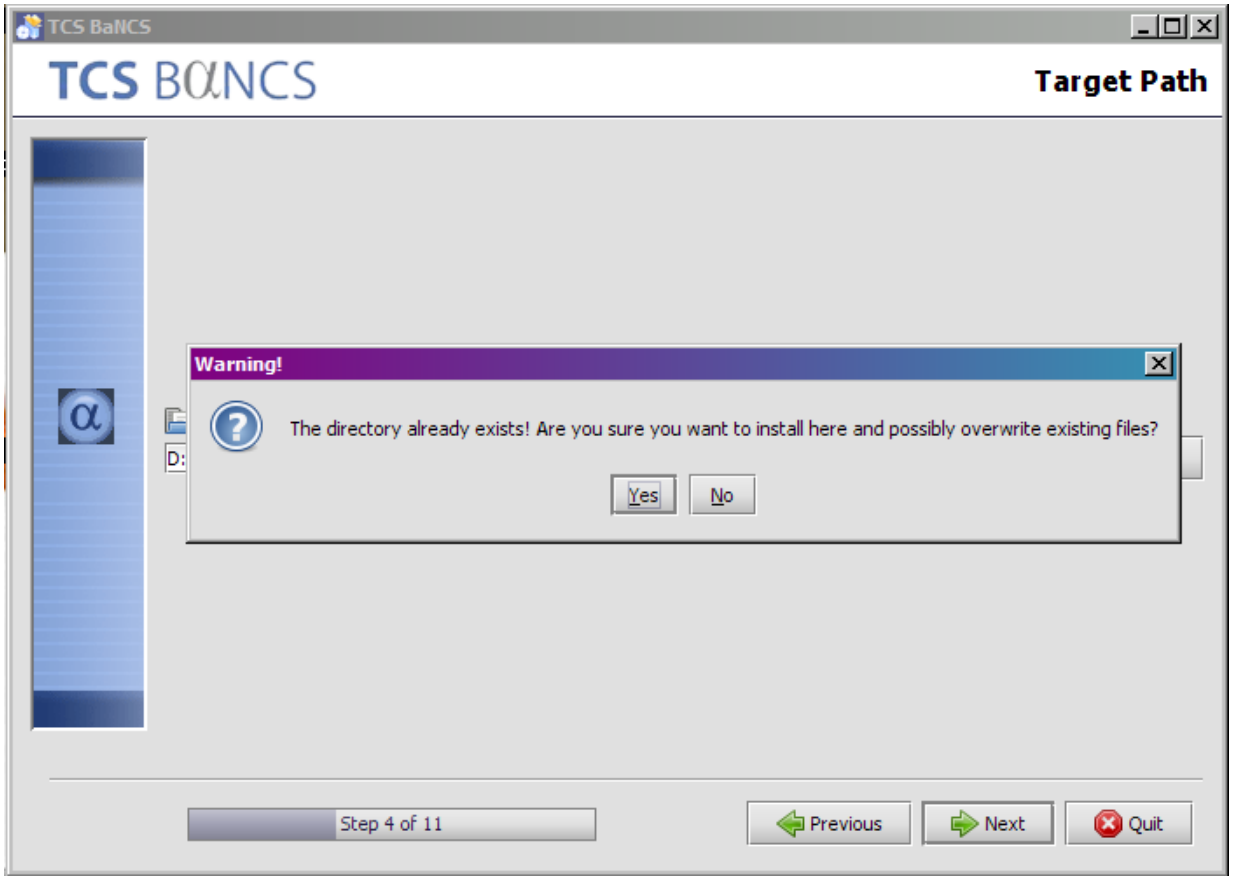


7. After accepting license target panel will come we have to give the path of the folder which we have unzipped like E:\BancsInstaller

Give the path of unzipped folder

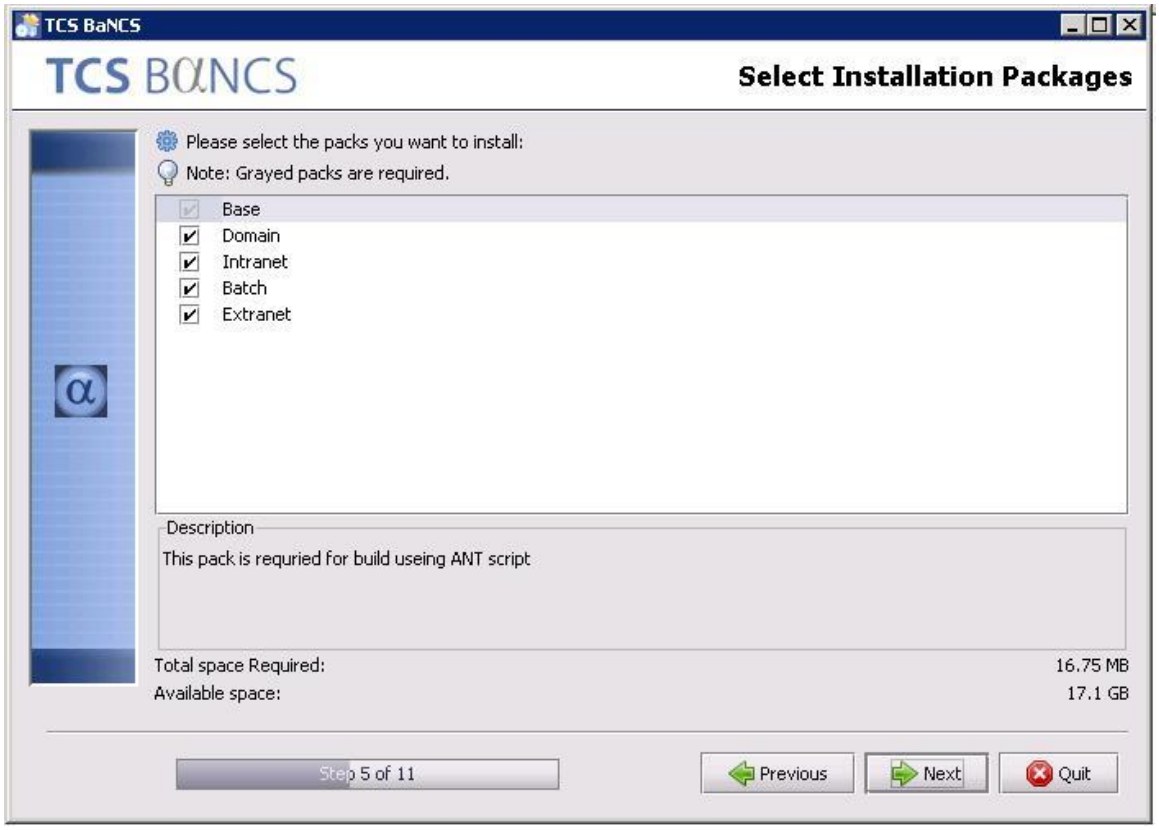
Note: Always create a folder name with no space

When you click next it will ask for the permission for overwriting the existing files click **yes** and proceed

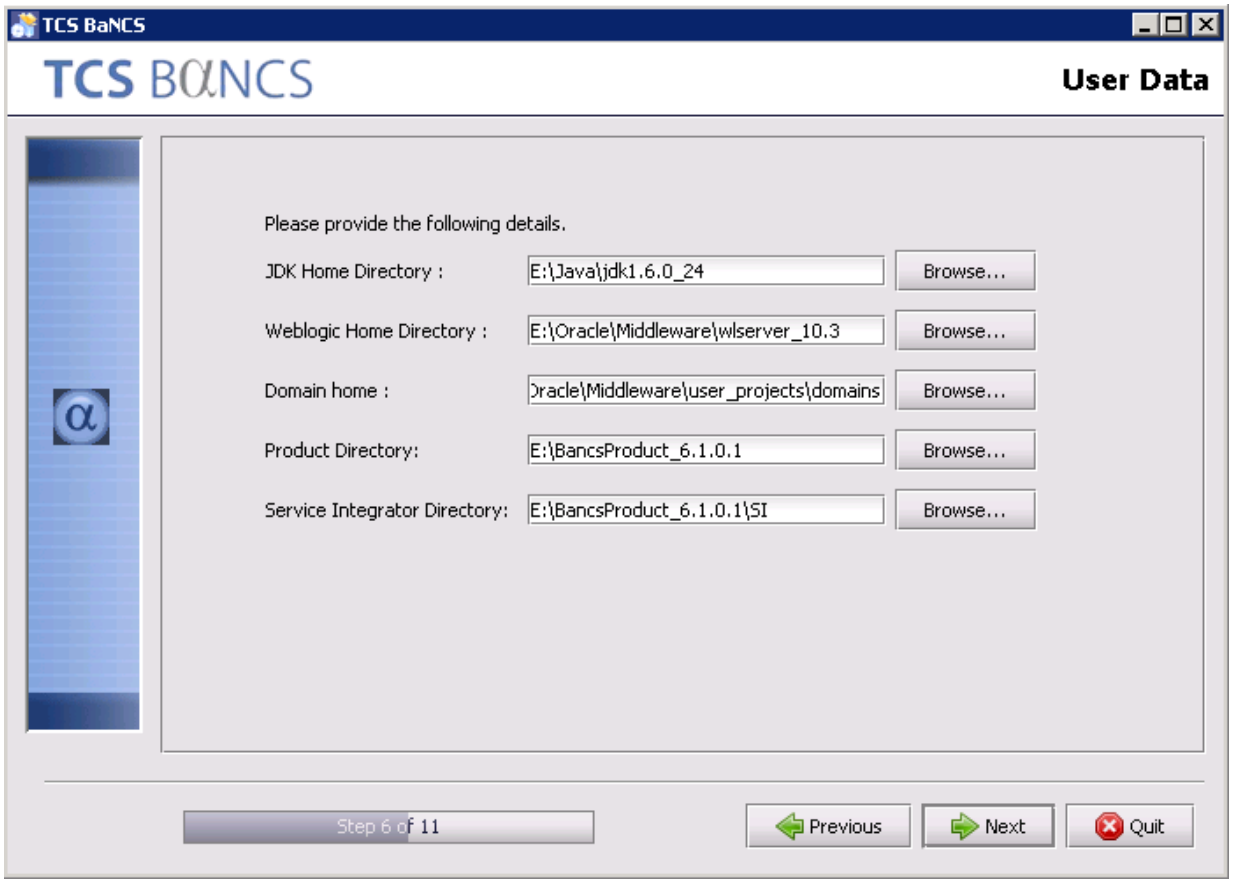

TCS BaNCS
TCS BANCS
Target Path
Warning!
The directory already exists! Are you sure you want to install here and possibly overwrite existing files?
Yes
No
D:
Step 4 of 11
Previous
Next
Quit

8. After this panel pack panel will come and this panel will show different component of integrated application. In the panel these component will come with check boxes, if you want to skip any component then we have to uncheck it.

Note: For Extranet and Intranet components the Domain option also needs to be selected for installation.



9. After this panel following 1st User Input panels will come



Fill this panel with

- Java home
- Weblogic server location
- Location where domain to created usually it is bea1035\user_projects\domains
- The location of the folder which we created in step 2(Location of the folder which contain final product)

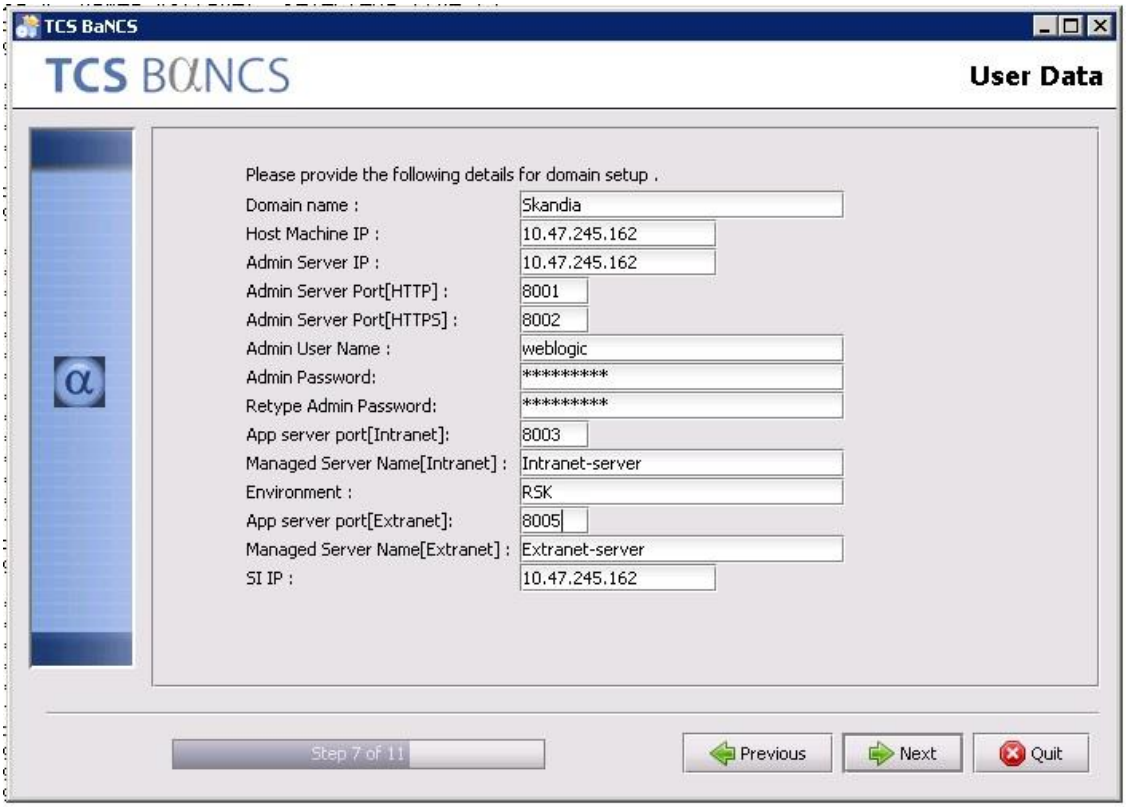
EX:-

Java home	E:\Java\jdk1.6.0_29
Weblogic server location	E:\Oracle\Middleware\wlserver_10.3
Location of domain	E:\Oracle\Middleware\user_projects\domains
Product folder	M:\BANCSFS\BancsProduct
Service Integrator	E:\BancsProduct\SI

10. After this User Input Panel next User Input panel will come which is mainly taking information related to properties and host
    - Domain name

- Host IP address
- Admin server IP address
- Admin server Http port
- Admin server Https port
- Admin server user name
- Admin server Password
- App server port –this is the port where application is to be deployed (Managed server port for Intranet)
- Managed sever name [Intranet]
- Environment name
- App server port –this is the port where application is to be deployed (Managed server port for Extranet)
- Managed Server name [Extranet]

Domain name	Skandia
Host IP address	Machine name where application is to be installed
Admin server IP address	Machine name on which admin server is created(for single server installation it is same as host IP)
Admin server Http port	8001
Admin server Https port	8002
Admin server user name	Admin server username(Use **weblogic** as username because only this user exists for now)
Admin server Password	Admin server password(you may give your user defined password which should be 8 character long and should be combination of number and alphabet)
App server port[Intranet]	8003
Managed sever name [Intranet]	Intranet-server
Environment name	RSK(provide the proper env name like SAT,UAT etc)
App server port[Extranet]	8005
Managed Server name [Extranet]	Extranet-server


TCS BaNCS
TCS BANCS
User Data
Please provide the following details for domain setup .
Domain name : Skandia
Host Machine IP : 10.47.245.162
Admin Server IP : 10.47.245.162
Admin Server Port[HTTP] : 8001
Admin Server Port[HTTPS] : 8002
Admin User Name : weblogic
Admin Password: **********
Retype Admin Password: **********
App server port[Intranet]: 8003
Managed Server Name[Intranet] : Intranet-server
Environment : RSK
App server port[Extranet]: 8005
Managed Server Name[Extranet] : Extranet-server
SI IP : 10.47.245.162
Step 7 of 11
Previous
Next
Quit

11. After this next UI panel will come which will take the information about the Database configurations.

This panel will take following information

- Database sever IP
- Database port
- Database SID
- Database Username
- Database password

Database sever IP	Machine name where database is present
Database port	Port of database
Database SID	Service id of database
Database Username	APPUSER
Database password	IIMS

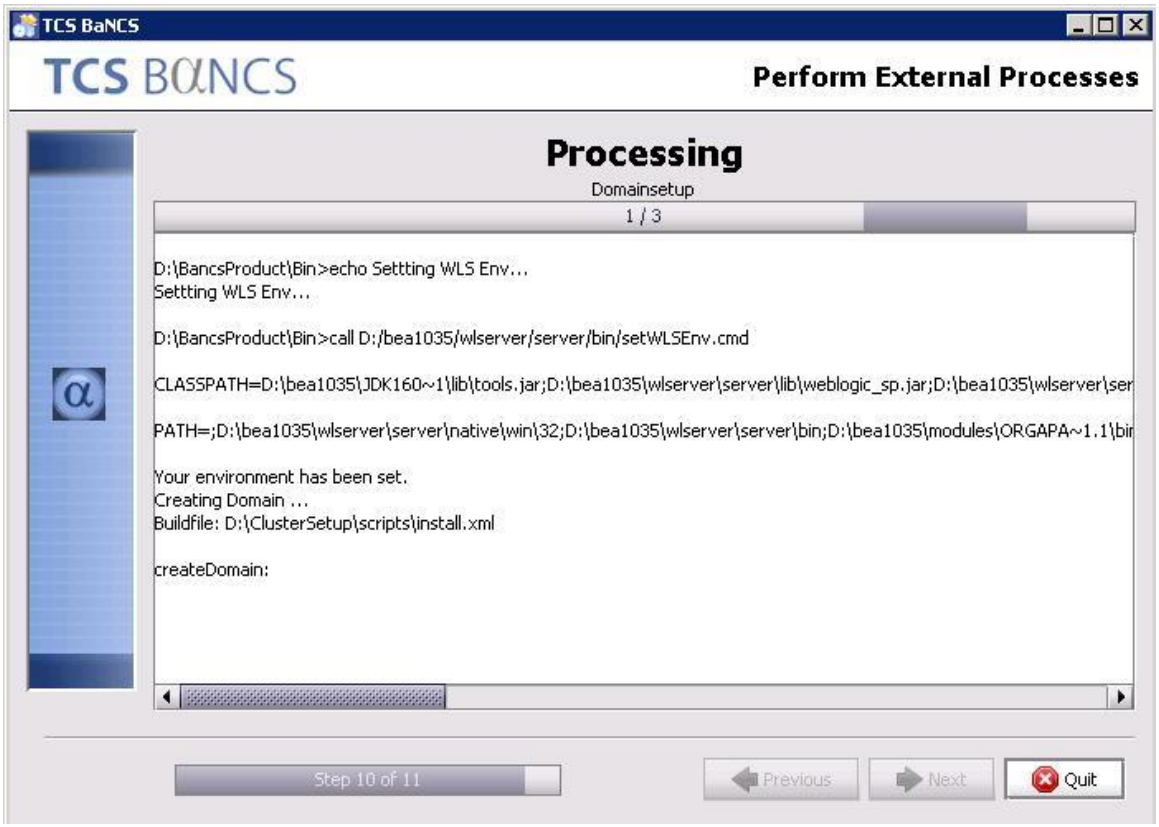
12. After this panel install panel will come which is used for copying the data, replacing properties and application files

13. Then process panel will come, at this panel following event happen

1. Setting of WLS environment
2. Creating domain
3. Starting admin server
4. Creating resources
5. Starting managed server
6. Deploy application

Note: If any process **execution failed window** will come please click **yes** to continue execution .this may occur because some folder it to be overwrite

Apart from these operations it will copy the selected components of integrated application from Installer folder to Product folder

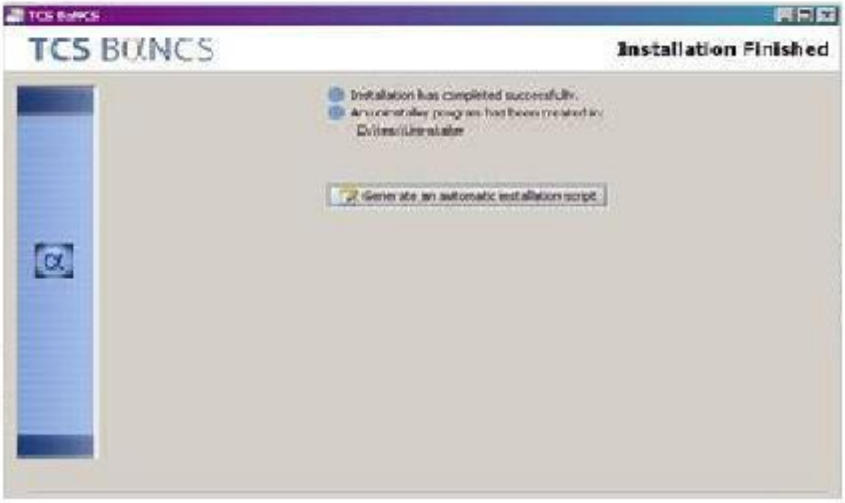


It will ask for username and password while starting the admin server. Give the username and password whatever you have entered in domain setup window (eg:weblogic/weblogic1)

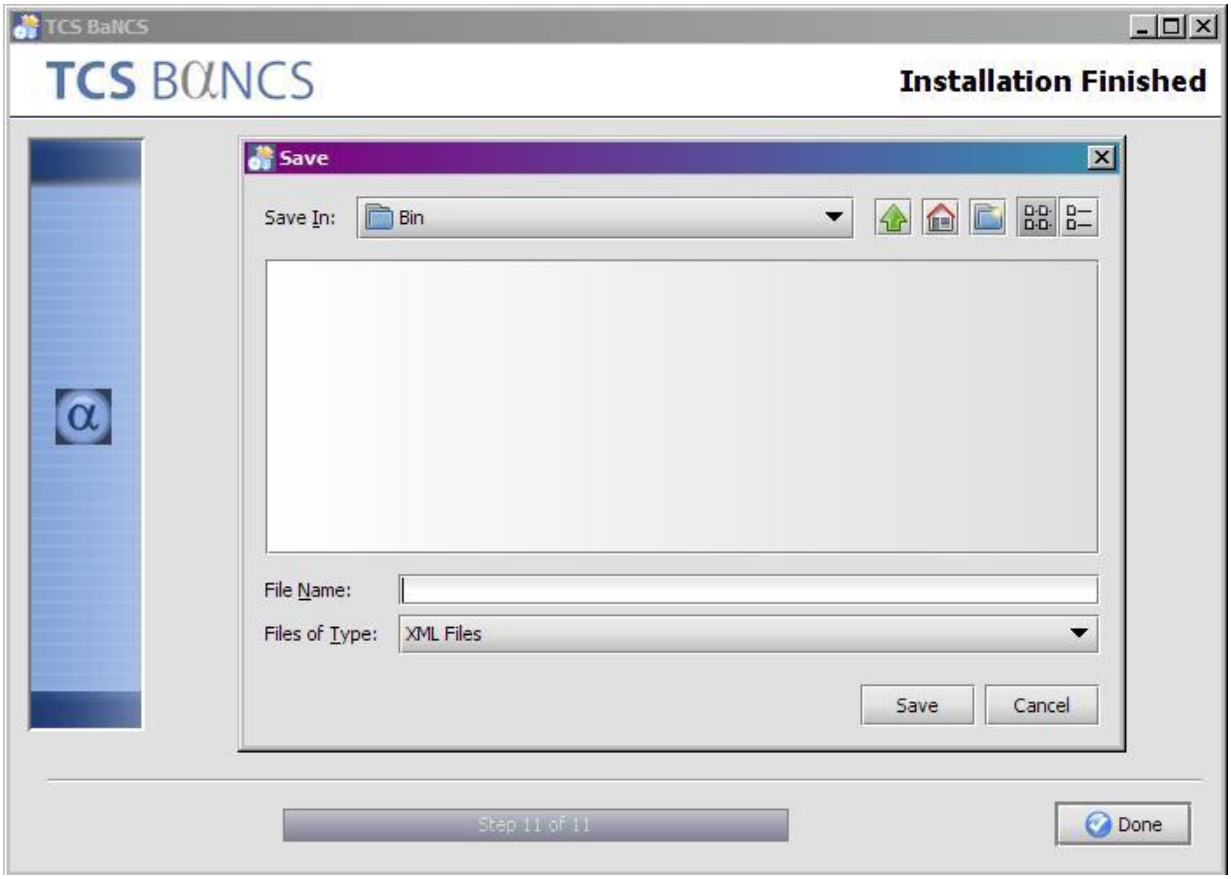
Note: If deploy of intranet/Extranet is taking more than 30 mins login into weblogic console and click on activate changes.

14. After this panel finish panel will come which come with the option of generation of automated install script which may be useful in updating properties by console mode.

Note: Please create a script with name AutoInstall.xml in the bin folder of BancsInstaller Folder. This is required for automated incremental installation



When you click on the Generate Automatic Installation script it will pop up a window which will ask for the name of the XML to be generated give name as **AutoInstall.xml** and save it.



15. Then press done to finish installation and close installer window.
16. Change the log path from 'M:\BaNCSFS\BancsProduct\logs' to 'E:\BancsProduct\logs' (Create the logs folder if not present) in following files.
    1. M:\BaNCSFS\BancsProduct\Intranet\properties\InputFiles\log4j.xml
    2. M:\BaNCSFS\BancsProduct\Extranet\properties\InputFiles\log4j.xml
    3. M:\BaNCSFS\BancsProduct\Intranet\properties\InputFiles\BancsExceptionProp.properties

    Note: File can have multiple occurrences of log path. It should be replaced in all places.

1.10.2 Batch Installation

1. Create folder E:\BancsInstallerBatch and Unzip the BancsInstaller.tar to E:\BancsInstallerBatch.
2. Create folder BancsProduct in E:\ drive.
3. Copy AutoInstall.xml from E:\BancsInstaller\Bin to E:\BancsInstallerBatch\bin and rename it as AutoInstallBatch.xml
4. Change the following values highlighted in bold in AutoInstallBatch.xml.
   <installpath>**E:\BancsInstallerBatch**</installpath>
   <pack index="0" name="Base" selected="**true**"/>
   <pack index="1" name="Domain" selected="**true**"/>
   <pack index="2" name="Intranet" selected="**false**"/>
   <pack index="3" name="Batch" selected="**true**"/>
   <pack index="4" name="Extranet" selected="**false**"/>
   <entry key="Product_Dir" value="**E:\BancsProduct**"/>

5. Navigate to E:\BancsInstallerBatch\bin on command prompt and run the following command

Java –Xmx1024m –jar bancs.inc.jar AutoInstallBatch.xml

6. Copy BaNCSReports from M:\BaNCSFS\BancsProduct to S:\BaNCSFS\BancsProduct.
7. Create folder FinalReports at S:\BaNCSFS\BancsProduct
8. Change BaNCSHOME from E:/BancsProduct/ to S:/BaNCSFS/BancsProduct/ in file E:\BancsProduct\Batch\config\ConfigFiles\ExternalArch.properties.

9. Please place all .wsdl and Wsdlmetadata.xml files from M:\BaNCSFS\BancsProduct\Extranet\properties\XMLFiles to E:\BancsProduct\SpringBatch\properties\XMLFiles.

1.10.3 Installing as service

1. Copy yajsw-stable-11.0 folder to 'E:\BancsProduct'.
2. Copy Bea_service folder from E:\BancsInstaller\Domain to E:\BancsProduct\bin
3. Change the log path from 'M:\BaNCSFS\BancsProduct\logs' to 'E:\BancsProduct\logs' in following files.
    1. installSvcAdmin.cmd
    2. installSvcExtranet.cmd
    3. installSvcIntranet.cmd
4. Right click on command prompt in start menu and open it by clicking run as administrator option. Go to path E:\BancsProduct\bin\Bea_service.
5. Run the following commands
   startAdminService.cmd
   startIntranetService.cmd
   startExtranetService.cmd
   These commands will install the following services Bancs_AdminService,Bancs_IntranetService,Bancs_ExtranetService.
6. Stop all the servers and start the services in following order.
   Bancs_AdminService
   Bancs_IntranetService
   Bancs_ExtranetService
7. Copy following files to E:\BancsProduct\Batch\bin.(Take files from existing single server Environment).
   installnap.cmd
   installScheduler.cmd
   uninstallnap.cmd
   uninstallScheduler.cmd
   set_scheduler_env.cmd
   set_nap_env.cmd
   wrapper.scheduler_old.conf
   wrapper.nap_old.conf
8. Right click on command prompt in start menu and open it by clicking run as administrator option. Go to path E:\BancsProduct\Batch\bin.
9. Run the following commands
   installnap.cmd
   installScheduler.cmd
10. Start nap & scheduler through service.

1.11 Incremental Installation

1.11.1 CAM3 Initial Installation:

1. Rename the existing BancsInstaller at E:\BancsInstaller to BancsInstaller_6.3. Create a folder BancsInstaller at E:\.

2. Rename the existing BancsProduct at M:\BaNCSFS\BancsProduct to BancsProduct _6.3. Create a folder BancsProduct at M:\BaNCSFS.

3. Rename the existing BancsInstallerBatch at E:\ BancsInstallerBatch to BancsInstallerBatch_6.3. Create a folder BancsInstallerBatch at E:\.

4. Rename the existing BancsProduct at E:\ BancsProduct to BancsProduct _6.3. Create a folder BancsProduct at E:\.

5. The delivered ZIP file which has incremental code should be extracted to E:\BancsInstaller folder of weblogic server.

Prerequisite:

1. This incremental setup should only be done when once full installation is completed and AutoInstall.xml is generated.

Note: without this incremental installation should not be done.

Services to be down:

1.Intranet
2.Extranet
3.Schedular
4.NAP
5.Intranet and Extranet Adhoc.
6.SI both message and bulk engine
7.Admin Sever

Services to be up:

None

Steps for incremental Online installation:

1. Copy AutoInstall.xml from E:\BancsInstaller_6.3\bin to E:\BancsInstaller\bin.
Change the following values highlighted in bold in AutoInstall.xml.

```
<pack index="0" name="Base" selected="true"/>
<pack index="1" name="Domain" selected="true"/>
<pack index="2" name="Intranet" selected="true"/>
<pack index="3" name="Batch" selected="false"/>
<pack index="4" name="Extranet" selected="true"/>
```

Navigate to E:\BancsInstaller\bin on command prompt and run the following command
Java –Xmx1024m –jar Bancs_One_Time.jar AutoInstall.xml

2. It will prompt for username/password for admin server while starting admin server. Give weblogic as username and corresponding password(eg:welcome1)

3. Change the alfresco URL in file ExtranetRoles.properties at path
M:\BaNCSFS\BancsProduct\Extranet\properties\InputFiles.
Give Alfresco URL corresponding to environment.
WCMCONTENTURL= http://ukgswtcms03:8080

4. Change the log path from 'M:\BaNCSFS\BancsProduct\logs' to 'E:\BancsProduct\logs' in following files.
    1. M:\BaNCSFS\BancsProduct\Intranet\properties\InputFiles\log4j.xml
    2. M:\BaNCSFS\BancsProduct\Extranet\properties\InputFiles\log4j.xml
    3. M:\BaNCSFS\BancsProduct\Intranet\properties\InputFiles\BancsExceptionProp.properties

    Note: File can have multiple occurrences. It should be replaced in all places.

5. Copy wsdlmetadata.xml & all wsdl files from
M:\BaNCSFS\BancsProduct_6.3\Extranet\properties\XMLFiles to
M:\BaNCSFS\BancsProduct\Extranet\properties\XMLFiles

6. Copy wsdlmetadata.xml & all wsdl files from
M:\BaNCSFS\BancsProduct_6.3\Intranet\properties\XMLFiles to
M:\BaNCSFS\BancsProduct\Intranet\properties\XMLFiles

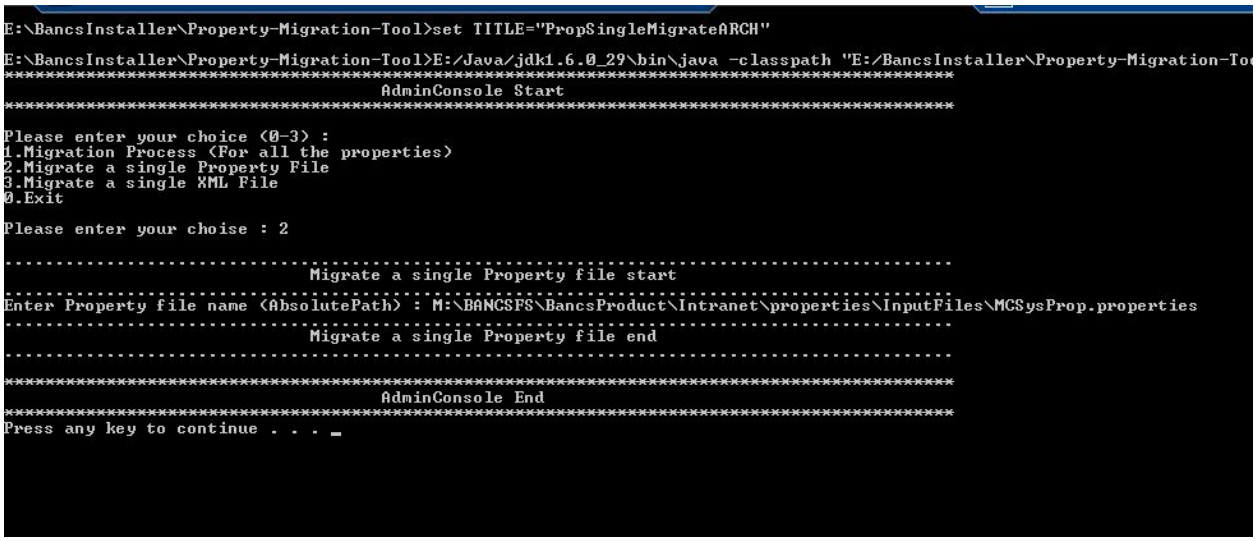
Enabling SSO & SNR Changes:

1. Do the changes according to section 1.20 under heading "Files to be Changed for SSO (SingleSignOn For Intranet)" & "Files to be Changed for S&R(Security & Roles For Extranet)"

Note: Files to be Changed for SSO (SingleSignOn For Intranet) & Step2 should be done in environments where SSO is to be enabled.
Files to be Changed for S&R (Security & Roles For Extranet) & Step3 should be done in environments where S&R is to be enabled.

2. Go to path E:\BancsInstaller\Property-Migration-Tool and double click on "main_Intranet.bat"
It will prompt for enter your choise:

2
It will prompt for enter property file name:
M:\BaNCSFS\BancsProduct\Intranet\properties\InputFiles\MCSysProp.properties



3. Go to path E:\BancsInstaller\Property-Migration-Tool and double click on "main_Extranet.bat"
It will prompt for enter your choise:
2
It will prompt for enter property file name:
M:\BaNCSFS\BancsProduct\Extranet\properties\InputFiles\MCSysProp.properties

Installing as service:

1. Copy yajsw-stable-11.0 folder to 'E:\BancsProduct'.
2. Copy Bea_service folder from E:\BancsInstaller\Domain to E:\BancsProduct\bin
3. Change the log path from 'M:\BaNCSFS\BancsProduct\logs' to 'E:\BancsProduct\logs' in following files.
    1. installSvcAdmin.cmd
    2. installSvcExtranet.cmd
    3. installSvcIntranet.cmd
4. Right click on command prompt in start menu and open it by clicking run as administrator option. Go to path
E:\BancsProduct\bin\Bea_service.
5. Run the following commands
startAdminService.cmd
startIntranetService.cmd
startExtranetService.cmd
These commands will install the following services
Bancs_AdminService,Bancs_IntranetService,Bancs_ExtranetService.
6. Stop all the servers and start the services in following order.
Bancs_AdminService
Bancs_IntranetService
Bancs_ExtranetService

Steps for incremental Batch installation:

1. Extract delivered ZIP file contents in E:\ BancsInstallerBatch\bin. Copy AutoInstall.xml from

E:\ BancsInstallerBatch_6.3\bin to E:\ BancsInstallerBatch\bin. Navigate to E:\BancsInstallerBatch\bin on command prompt and run the following command

Java –Xmx1024m –jar bancs.inc.jar AutoInstallBatch.xml

2. Change BaNCSHOME from E:/BancsProduct/ to S:/BaNCSFS/BancsProduct/ in file E:\BancsProduct\SpringBatch\config\ConfigFiles\ExternalArch.properties.
3. Copy BaNCSReports folder from M:\BaNCSFS\BancsProduct to S:\BaNCSFS\BancsProduct.

4. Please place all .wsdl and Wsdlmetadata.xml files from M:\BaNCSFS\BancsProduct\Extranet\properties\XMLFiles to E:\BancsProduct\SpringBatch\properties\XMLFiles.

1.11.2 Incremental Installation

The delivered ZIP file which has incremental code should be extracted to E:\BancsInstaller folder of weblogic server.

Prerequisite:

2. This incremental setup should only be done when once full installation is completed and AutoInstall.xml is generated.

Note: without AutoInstall.xml this incremental installation should not be done.

Services to be down:
1.Intranet
2.Extranet
3.Schedular
4.NAP
5.Intranet Adhoc and Extranet Adhoc
5.SI both message and bulk engine

Services to be up:
AdminServer

Steps for incremental Online installation:

1. Navigate to E:\BancsInstaller\bin on command prompt and run the following command

Java –Xmx1024m –jar bancs.inc.jar AutoInstall.xml

2.Change the alfresco URL in file ExtranetRoles.properties at path M:\BaNCSFS\BancsProduct\Extranet\properties\InputFiles.

For UAT and other testing environments the following URL should be given.

WCMCONTENTURL= http://ukshwtcms01:8080/alfresco

3. Change the log path from 'M:\BaNCSFS\BancsProduct\logs' to 'E:\BancsProduct\logs' in following files.

1. M:\BaNCSFS\BancsProduct\Intranet\properties\InputFiles\log4j.xml
2. M:\BaNCSFS\BancsProduct\Extranet\properties\InputFiles\log4j.xml
3. M:\BaNCSFS\BancsProduct\Intranet\properties\InputFiles\BancsExceptionProp.properties

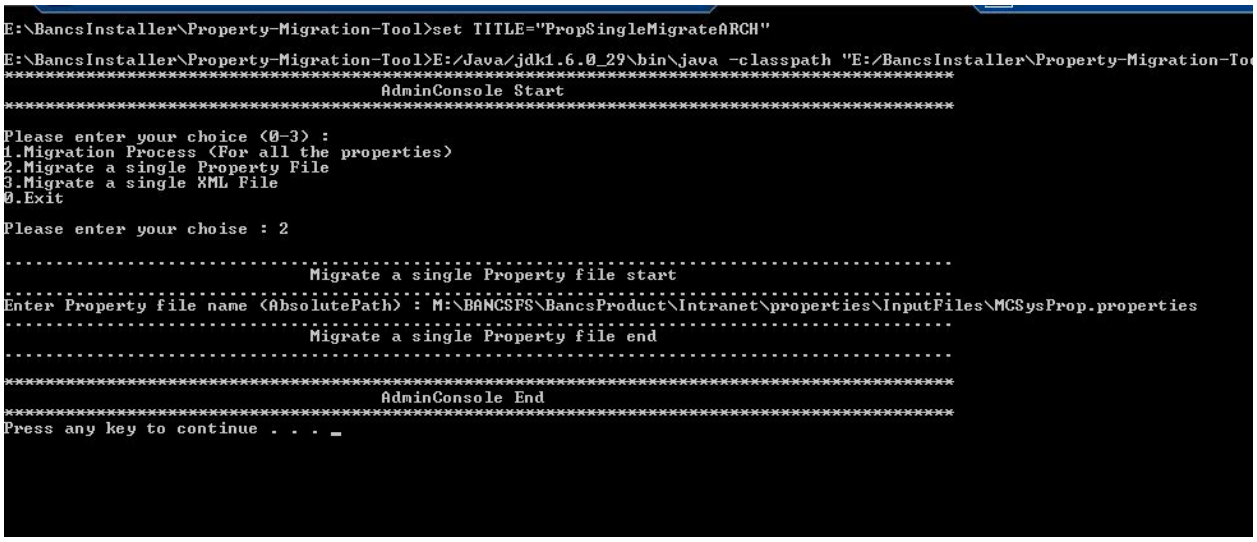
Note: File can have multiple occurrences. It should be replaced in all places.

Enabling SSO & SNR Changes:

1. Do the changes according to section 1.20 under heading "Files to be Changed for SSO (SingleSignOn For Intranet)" & "Files to be Changed for S&R(Security & Roles For Extranet)"

Note: Files to be Changed for SSO (SingleSignOn For Intranet) & Step2 should be done in environments where SSO is to be enabled.
Files to be Changed for S&R (Security & Roles For Extranet) & Step3 should be done in environments where S&R is to be enabled.

2. Go to path E:\BancsInstaller\Property-Migration-Tool and double click on "main_Intranet.bat"
It will prompt for enter your choise:
2
It will prompt for enter property file name:
M:\BaNCSFS\BancsProduct\Intranet\properties\InputFiles\MCSysProp.properties



3. Go to path E:\BancsInstaller\Property-Migration-Tool and double click on "main_Extranet.bat"
It will prompt for enter your choise:
2
It will prompt for enter property file name:
M:\BaNCSFS\BancsProduct\Extranet\properties\InputFiles\MCSysProp.properties

Steps for incremental Batch installation:

1. Extract delivered ZIP file contents in E:\BancsInstallerBatch\bin. Navigate to E:\BancsInstallerBatch\bin on command prompt and run the following command

Java –Xmx1024m –jar bancs.inc.jar AutoInstallBatch.xml

2. Change BaNCSHOME from E:/BancsProduct/ to S:/BaNCSFS/BancsProduct/ in file E:\BancsProduct\SpringBatch\config\ConfigFiles\ExternalArch.properties.
3. Copy BaNCSReports folder from M:\BaNCSFS\BancsProduct to S:\BaNCSFS\BancsProduct.
4. Please place all .wsdl and Wsdlmetadata.xml files from M:\BaNCSFS\BancsProduct\Extranet\properties\XMLFiles to E:\BancsProduct\SpringBatch\properties\XMLFiles.

Batch Service Installation:

1. Change the below entry in **E:\BancsProduct\SpringBatch\properties\ConfigFiles\ExternalArch.properties**
From
BaNCSHOME=E:/BancsProduct/ to
BaNCSHOME=S:/BANCSFS/BancsProduct/

2.change the below entry as below in file **E:\BancsProduct\SpringBatch\bin\wrapper.SpringScheduler.conf** in Batch/ SI machine
from
wrapper.java.additional.34 = -DBaNCSHOME=E:/BancsProduct to
wrapper.java.additional.34 = -DBaNCSHOME=S:/BaNCSFS/BancsProduct

3.FOR ENABLING THE GC logs
Below changes are for enabling the GC logs in all respective Batch servers.

step1: Add below entries at the end of file in E:\BancsProduct\\SpringBatch\bin\wrapper.ExtranetAdhoc.conf in Batch/ SI machine

wrapper.java.additional.29 = -verbose:gc
wrapper.java.additional.30 = -XX:+PrintGCDetails
wrapper.java.additional.31 = -XX:+PrintGCDateStamps
wrapper.java.additional.32 = -Xloggc:E:/BancsProduct/logs/gc_ExtranetAdhoc.log

step 2: Add below entries at the end of file in E:\BancsProduct\SpringBatch\bin\wrapper.IntranetAdhoc.conf in Batch/ SI machine
wrapper.java.additional.29 = -verbose:gc
wrapper.java.additional.30 = -XX:+PrintGCDetails
wrapper.java.additional.31 = -XX:+PrintGCDateStamps
wrapper.java.additional.32 = -Xloggc:E:/BancsProduct/logs/gc_IntranetAdhoc.log

step 3: Add the below entries at the end of file in E:\BancsProduct\SpringBatch\bin\wrapper.SpringScheduler.conf in Batch/ SI machine
wrapper.java.additional.35 = -verbose:gc
wrapper.java.additional.36 = -XX:+PrintGCDetails
wrapper.java.additional.37 = -XX:+PrintGCDateStamps
wrapper.java.additional.38 = -Xloggc:E:/BancsProduct/logs/gc_Springscheduler.log

4. Copy yajsw-stable-11.0 folder to 'E:\BancsProduct'.
5. Right click on command prompt in start menu and open it by clicking run as administrater option. Go to path E:\BancsProduct\SpringBatch\bin.

6. Run the following commands.
installSpringScheduler
installSpringNap
installIntranetAdhoc
installExtranetAdhoc
These will create the following services.
BancsSpringIntranetAdhocProcessor
BancsSpringExtranetAdhocProcessor
BancsSpringNAP
BancsSpringScheduler

Note: Change the login username/password according to service account of the environment.

7. Start the following services.
BancsSpringIntranetAdhocProcessor
BancsSpringExtranetAdhocProcessor
BancsSpringNAP
BancsSpringScheduler

Scripts to uninstall services:
uninstallSpringScheduler
uninstallSpringNap
uninstallIntranetAdhoc
uninstallExtranetAdhoc

1.11.3 BaNCS Intranet Single Server Deployment:

Accessing the Application
You can access the application using the link as specified in the example only when the Application Server is running and the Deployment becomes active.
http://<hostIP>:<appPort>/contextroot
For Example, **http:// 172.19.97.77:8003/Bancs**
And for Extranet

http:// 172.19.97.77:8005/Skandia

Login Username*:* ***SYSADMIN (This Username is just a sample)***
Login Password*:* ***rsk123 (This Password is just a sample)***

Accessing web logic admin console
Enter the URL below to log in to the console,
http://<weblogic:host>:<admin_server_port>/console
For Example, *http://172.19.97.77:8001/console*

Accessing the Batch

Please run the GMT.txt script in BANCSDB in Database server before starting the scheduler.
Command to connect to bancsdb is

Sqlplus BANCSDB/BANCSDB123@ORCL

Start Scheduler & NAP through services.

Default Log Files
The default logs for the BaNCS application are created in the paths below:
1 < BANCS_HOME>/logs
BaNCS Batch logs
2 < BANCS_HOME>/logs
BaNCS Intranet logs
4 < BANCS_HOME>/logs
5 BaNCS Extranet logs
6

1.12 SI Setup and Installers

Prerequisite

Creation of WLfullclient jar

Steps to create wlfullclient.jar
1. Login to any system which has weblogic server10.3.5 installed(eg:ukshwsowb01a)
2. Navigate to **Oracle\Middleware\wlserver_10.3\server\lib** on command prompt

3. Run this command

Java -jar wljarbuilder.jar -profile wlfullclient

Note: please don't change anything in this command

4. The jar will be created in **Oracle\Middleware\wlserver_10.3\server\lib** directory

For Clustered Environment where SI is installed in different machine:
Folders to be created:

FolderName	Path
Weblogic	E:\
server	E:\Weblogic
lib	E:\Weblogic\server

Copy the **wlfullclient.jar** to E:\Weblogic\server\lib in machine where SI is to be installed.

Before running SI Installers for SI setup, please make sure that EMS Queue configuration is completed. For every Message Type we need to have one Request and one response EMS queue.

The delivered ZIP file should be extracted to E:\BancsInstaller folder in server where SI is to be installed.

SI installers will support two modes 1) Interactive and 2) Silent. This document describes the process for Interactive Installation of SI.

To run the SI installer, open the command prompt and navigate to the folder <Installer_HOME>\Bin and run the following command

java –jar SI_Installer.jar

While running installer.jar, it will ask the user to enter the mode of execution (Silent or Interactive Mode), please select the INTERACTIVE MODE (i.e. 2) as follows:-

--------- Welcome to Service Integrator Setup Menu ---------

Enter Installation mode:
1 - Silent Mode
2 - Interactive Mode
0 - Exit Installation

Select interactive mode and press enter
Ex:2 →

Enter Service Integrator Installation Directory:
Enter the SI_HOME directory and press enter
Ex: E:/BancsProduct/SI→
Create SI directory if not present at path E:/BancsProduct

Do you want load business jars in product classpath (Y/y | N/n) :
Enter N and press enter
Ex:N→

Do you want to add IBM Communication server jars in product classpath (Y/y | N/n) :
Enter N and press enter
Ex:N→

Are product interfaces required? (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Do you need custom DataFiles directories for the interfaces? (Y/y | N/n) :
Enter N and press enter
Ex:Y→

Do you want to secure configuration and Mapping/Validation rule files(Y/y | N/n) :
Enter N and press enter
Ex:N→

Do you wish to use Web Services? (Y/y | N/n) :
Enter N and press enter
Ex:N→

Please enter value for Weblogic Place holder :
Enter the path of Weblogic Place holder and press enter
Ex:E:\Oracle\Middleware\wlserver_10.3→

For Production and Preproduction:
Ex:E:\Weblogic→

Please enter value for bulkfile.HTTPPORT :
Enter the http port for bulkfile and press enter
Ex: 8910→

Please enter value for message.HTTPPORT :
Enter the http port for message and press enter
Ex: 8911→

Enter the Rule Class File Path :
Enter the path for rule class file and press enter
Ex: E:/BancsProduct_6.1.0.1/SI→

Enter DB Type. (ORACLE | DB2) :
Enter ORACLE as DB Type and press enter
Ex: ORACLE→

Enter DB Connection Type. (JDBC | JNDI):
Enter JDBC as DB connection type and press enter
Ex: JDBC→

Enter the DB Driver Class Name :
Enter the DB driver class name and press enter
Ex: oracle.jdbc.driver.OracleDriver→

Enter the DB URL :
Enter the DB url to connect to and press enter
Ex: jdbc:oracle:thin:@10.47.252.33:1521:orcl→

For clustered DB
Eg :jdbc:oracle:thin:@(DESCRIPTION_LIST=(LOAD_BALANCE=off)(FAILOVER=on)(DESCRIPTION=(ADDRESS_LIST=(LOAD_BALANCE=OFF)(ADDRESS=(PROTOCOL=TCP)(HOST=**UKSHWSODB01A.skandia.co.uk**)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=ORCL)))(DESCRIPTION=(ADDRESS_LIST=(LOAD_BALANCE=OFF)(ADDRESS=(PROTOCOL=TCP)(HOST=**UKSHWSODB02B.skandia.co.uk**)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=ORCLSTANDBY)))) →

Note: Change machine which is marked in bold according to environment

Enter the DB SID :
Enter the SID of DB and press enter
Ex: orcl→

Enter the DB User Name :
Enter the user name of DB and press enter
Ex: APPUSER→

Enter the DB Schema name :
Enter the SID of DB and press enter
Ex: APPUSER→

Enter the DB Password for the User :
Enter the password for the user and press enter
Ex:IIMS→

Enter no. of DB Partitions :
Enter the number of DB partitions required and press enter
Ex:1→

Enter the Application Server type.
1. WebLogic
2. WebSphere
Enter the choice [1 or 2] :
Enter 1 to select Weblogic application server type and press enter
Ex:1→

Please enter value for bulkfile.APPPORT :
Enter the value for APPPORT of bulkfile and press enter
Ex: 8102→

Please enter value for message.APPPORT :
Enter the value for APPPORT of bulkfile and press enter
Ex: 8103→

Please enter value for monitor.APPPORT :
Enter the value for APPPORT of monitor and press enter
Ex: 8104→

Is MQ Channel used? (Y/y | N/n) :
Enter N and press enter
Ex:N→

For Each interface configured, user will be prompted to enter the Channel details. Enter the values as shown in the below entries. The URL, Queuename, JMS security username, password give in the document is for SIT environment. For Input channels give Bancs_Response under JMS Security and for Output channels give Bancs_Request under JMS Security. Make sure that you give the values according to the environment you are configuring as this will vary according to TIBCO configuration.URL and connection factory value will vary according to protocol used(ssl or tcp).

Reading channel details of RTFXSIDOCI
Reading RTFXSIDOCI.ICF
Initial Context Factory Value :
Enter the ICF value for RTFXSIDOCI interface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for RTFXSIDOCI.URL :
Enter the URL value for RTFXSIDOCI interface and press enter(Refer Tibco configuration for URL for respective environment)
Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter

QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex:SKUK.SOU.SIT.RIGHTFAX.ORCH.RESP.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Response→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Enter poll time:
Enter poll time
Ex:1000→

Reading channel details of OAMSIRESI
Reading OAMSIRESI.ICF
Initial Context Factory Value :
Enter the ICF value for OAMSIRESIinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for OAMSIRESI.URL :
Enter the URL value for OAMSIRESIinterface and press enter
Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.PNG.OAM.UPDATE.RESP.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Response→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Reading channel details of RTFXSISTATI
Reading RTFXSISTATI.ICF
Initial Context Factory Value :
Enter the ICF value for RTFXSISTATIinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for RTFXSISTATI.URL :
Enter the URL value for RTFXSISTATIinterface and press enter

Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
Ex:QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.RIGHTFAX.STATUS.RESP.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Response→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Reading channel details of SICASWIFTO
Reading SICASWIFTO.ICF
Initial Context Factory Value :
Enter the ICF value for SICASWIFTOinterface and press enter
Ex: weblogic.jndi.WLInitialContextFactory→

Please enter value for SICASWIFTO.URL :
Enter the URL value for SICASWIFTOinterface and press enter
Ex: t3://**10.47.245.166**:8003 →
Note:Change the IP address which is marked in bold according to weblogic server IP.

For Clustered environment two servers URL must be given
For Preprod:
Ex:t3://ukshwsowb01a:8003,ukshwsowb02b:8003 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
jms/stpCFQUEUE

Queue Name :
Enter the queue name and press enter
Ex: jms/stpQUEUE

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:N→

Reading channel details of SISWSWIFTO
Reading SISWSWIFTO.ICF
Initial Context Factory Value :
Enter the ICF value for SISWSWIFTOinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for SISWSWIFTO.URL :
Enter the URL value for SISWSWIFTOinterface and press enter
Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.SWIFTROUTING.REQ.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Request→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Reading channel details of SWSISWIFTI
Reading SWSISWIFTI.ICF
Initial Context Factory Value :
Enter the ICF value for SWSISWIFTIinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for SWSISWIFTI.URL :
Enter the URL value for SWSISWIFTIinterface and press enter
Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
Ex:QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.SWIFTROUTING.RESP.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Response→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Reading channel details of T360SIRESI
Reading T360SIRESI.ICF
Initial Context Factory Value :
Enter the ICF value for T360SIRESIinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for T360SIRESI.URL :
Enter the URL value for T360SIRESIinterface and press enter

Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
Ex:QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.360T.RESP.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Response→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Reading channel details of THUNSICORRI
Reading THUNSICORRI.ICF
Initial Context Factory Value :
Enter the ICF value for THUNSICORRIinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for THUNSICORRI.URL :
Enter the URL value for THUNSICORRIinterface and press enter
Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.CORRESP.GEN.RESP.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Response→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Reading channel details of ACCELSIWRKI
Reading ACCELSIWRKI.ICF
Initial Context Factory Value :
Enter the ICF value for ACCELSIWRKIinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for ACCELSIWRKI.URL :
Enter the URL value for ACCELSIWRKIinterface and press enter
Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.INPUTACC.RESP.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Response→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Reading channel details of BA360TREQO
Reading BA360TREQO.ICF
Initial Context Factory Value :
Enter the ICF value for BA360TREQOinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for BA360TREQO.URL :
Enter the URL value for BA360TREQOinterface and press enter
Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.360T.REQ.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Request→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Reading channel details of BAACCELUPDATEO
Reading BAACCELUPDATEO.ICF
Initial Context Factory Value :
Enter the ICF value for BAACCELUPDATEOinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for BAACCELUPDATEO.URL :
Enter the URL value for BAACCELUPDATEOinterface and press enter
Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.PNG.DB2CM.UPDATE.REQ.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Request→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Reading channel details of BADNMCPEPO
Reading BADNMCPEPO.ICF
Initial Context Factory Value :
Enter the ICF value for BADNMCPEPOinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for BADNMCPEPO.URL :
Enter the URL value for BADNMCPEPOinterface and press enter
Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.DATANOMIC.REQ.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Request→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Reading channel details of BARTFXREQO
Reading BARTFXREQO.ICF
Initial Context Factory Value :
Enter the ICF value for BARTFXREQOinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for BARTFXREQO.URL :
Enter the URL value for BARTFXREQOinterface and press enter
Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.RIGHTFAX.ORCH.REQ.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Request→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Reading channel details of BATHUNCORRO
Reading BATHUNCORRO.ICF
Initial Context Factory Value :
Enter the ICF value for BATHUNCORROinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for BATHUNCORRO.URL :
Enter the URL value for BATHUNCORROinterface and press enter
Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.CORRESP.GEN.REQ.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Request→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Reading channel details of CASIJMSI
Reading CASIJMSI.ICF
Initial Context Factory Value :
Enter the ICF value for CASIJMSIinterface and press enter
Ex: weblogic.jndi.WLInitialContextFactory→

Please enter value for CASIJMSI.URL :
Enter the URL value for CASIJMSIinterface and press enter
Ex: t3://**10.47.245.166**:8003 →
Note:Change the IP address which is marked in bold according to weblogic server IP.

For Cluster environment two servers URL must be given
For Preprod:
Ex:t3://ukshwsowb01a:8003,ukshwsowb02b:8003 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
jms/NCSOutgoingQCF →

Queue Name :
Enter the queue name and press enter
Ex: jms/NCSOutgoingQ →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:N→

Reading channel details of DNMCSIPEPI
Reading DNMCSIPEPI.ICF
Initial Context Factory Value :
Enter the ICF value for DNMCSIPEPIinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for DNMCSIPEPI.URL :
Enter the URL value for DNMCSIPEPIinterface and press enter
Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.DATANOMIC.RESP.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Response→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Reading channel details of MSTRSIASSTI
Reading MSTRSIASSTI.ICF
Initial Context Factory Value :
Enter the ICF value for MSTRSIASSTIinterface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory→

Please enter value for MSTRSIASSTI.URL :

Enter the URL value for MSTRSIASSTIinterface and press enter
Ex: tcp://UKSOEMSDV02:7243 →

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
QueueConnectionFactory →

Queue Name :
Enter the queue name and press enter
Ex: SKUK.SOU.SIT.MSTAR.ORCH.RESP.NEW.1 →

Do you want to enable JMS secure configuration (Y/y | N/n) :
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Response→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Configuring BLOOMBERG
Reading BLOOMBERGREQ.FILEBASEDIR
Enter DataFiles Path for the interface :
Ex:E:BancsProduct\SI\datafiles→

Sharedpath will be S drive for new environment as new secured drive is created.

Ex:<sharedpath>\BancsProduct\SI\datafiles→

Note:Create a folder SI in shared path at path <sharedpath>\BancsProduct and create a folder datafiles inside it.

Configuring BLOOMBERG
Reading BLOOMBERG.FILEBASEDIR
Enter DataFiles Path for the interface :
Ex:S:/BaNCSFS/BancsProduct/SI/datafiles→

Ex:<sharedpath>\BancsProduct\SI\datafiles→

Configuring NESIFXI
Reading NESIFXI.FILEBASEDIR
Enter DataFiles Path for the interface :
Ex:S:/BaNCSFS/BancsProduct/SI/datafiles→

Configuring NESISECI
Reading NESISECI.FILEBASEDIR
Enter DataFiles Path for the interface :
Ex:S:/BaNCSFS/BancsProduct/SI/datafiles→

Reading channel details of BLOOMBERG
BLOOMBERGREQ.FILEBASEDIR = $SI_HOME/datafiles(S:/BaNCSFS/BancsProduct/SI/datafiles)
Enter poll time for BLOOMBERG
Ex:1000→

Reading channel details of NESIFXI
NESIFXI.FILEBASEDIR = $SI_HOME/datafiles(S:/BaNCSFS/BancsProduct/SI/datafiles)
Enter poll time for NESIFXI
Ex:1000→

Reading channel details of NESISECI
NESISECI.FILEBASEDIR = $SI_HOME/datafiles(S:/BaNCSFS/BancsProduct/SI/datafiles)
Enter poll time for NESISECI
Ex:1000→

Call Post Installation Script (Y/y | N/n) :
Enter N and press enter
Ex:Y→

Calling Post-Installation Script
Reading IMPLEMENTATION_PROPERTIES_FILE_PATH
Please Enter Implementation Properties File Path:
Ex: E:\BancsProduct\SI\PlaceHolder.properties→

Reading LOGSPLACEHOLDER
Please enter value for LOGSPLACEHOLDER:
Ex: E:\BancsProduct\logs→

Please enter the SSL Identity Host Password.
Eg:password**->**

Reading Security Protocol type
Please enter the type of Security Protocol
Eg:ssl**->**

Reading SSLIDENTITYHOST
Please enter the SSL Identity HostName.
Eg:server_root**->**

Note: SSL Identity Hostname will be the tibco server
uksowcsg.skandia.co.uk**->**

Configuring FTIDSWUNGRPI
Reading FTIDSWUNGRPI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Configuring FTIDSWUNGRPI
Reading FTIDSWUNGRPI.POLLTIME
Enter PollTime:
Ex:1000→

Configuring FTIDSWMOO
Reading FTIDSWMOO.POLLTIME
Enter PollTime:
Ex:1000→

Initial Context Factory Value :
Enter the ICF value for FTIDSWMOO interface and press enter
Ex: weblogic.jndi.WLInitialContextFactory→

Please enter value for FTIDSWMOO.URL :
Enter the URL value for FTIDSWMOO interface and press enter
Ex: t3://10.47.245.209:8003→
Note: IP should be the weblogic machines's IP.

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
Ex: jms/stpCFQUEUE →

Queue Name :
Enter the queue name and press enter
Ex**:** jms/stpQUEUE →

Do you want to enable JMS secure configuration (Y/y | N/n):
Enter Y and press enter
Ex:N→

Configuring BASISECRECONO
Reading BASISECRECONO.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Configuring HSBCSICCCHRGI
Reading HSBCSICCCHRGI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Configuring RPASILUTOTI
Reading RPASILUTOTI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Configuring RPASISL3I
Reading RPASISL3I.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Configuring RPASIUNTPOSI
Reading RPASIUNTPOSI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Configuring XCPTSIMBI
Reading XCPTSIMBI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Reading BASISECRECONO.POLLTIMEFor Environment where shared drive is present
Enter PollTime:
Ex:1000→

Reading HSBCSICCCHRGI.POLLTIME
Enter PollTime:
Ex:1000→

Reading RPASILUTOTI.POLLTIME
Enter PollTime:
Ex:1000→

Reading RPASISL3I.POLLTIME
Enter PollTime:
Ex:1000→

Reading RPASIUNTPOSI.POLLTIME
Enter PollTime:
Ex:1000→

Reading XCPTSIMBI.POLLTIME
Enter PollTime:
Ex:1000→

Configuring PCTRLSIRBTPYMTI
Reading PCTRLSIRBTPYMTI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Reading PCTRLSIRBTPYMTI.POLLTIME
Enter PollTime:
Ex:1000→

Configuring RLXSICCRSPI
Initial Context Factory Value :
Enter the ICF value for RLXSICCRSPI interface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory →

Please enter value for RLXSICCRSPI.URL :
Enter the URL value for RLXSICCRSPI interface and press enter
Ex: tcp://UKSHWTEMS01:7222→

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
Ex: QueueConnectionFactory→

Queue Name :
Enter the queue name and press enter
Ex**:** SKUK.SOU.UAT.PNG.BL3.REALEX.RES.1→

Do you want to enable JMS secure configuration (Y/y | N/n):
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Response→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Configuring RLXSICCRSPI
Reading RLXSICCRSPI.POLLTIME
Enter PollTime:
Ex:1000→

Configuring SIBACCRSPO
Reading SIBACCRSPO.POLLTIME
Enter PollTime:
Ex:1000→

Configuring BARLXCCPYMTO
Reading BARLXCCPYMTO.POLLTIME
Enter PollTime:
Ex:1000→

Initial Context Factory Value :
Enter the ICF value for BARLXCCPYMTO interface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory →

Please enter value for BARLXCCPYMTO.URL :
Enter the URL value for BARLXCCPYMTO interface and press enter
Ex: tcp://UKSHWTEMS01:7222→

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter

Ex: QueueConnectionFactory→

Queue Name :
Enter the queue name and press enter
Ex**:** SKUK.SOU.UAT.PNG.BL3.REALEX.REQ.1→

Do you want to enable JMS secure configuration (Y/y | N/n):
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Request→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Configuring XCPTSIFNDPRCI
Reading XCPTSIFNDPRCI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Reading XCPTSIFNDPRCI.POLLTIME
Enter PollTime:
Ex:1000→

Configuring BLMSICRTI
Reading BLMSICRTI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Reading BLMSICRTI.POLLTIME
Enter PollTime:
Ex:1000→

Configuring FTIDSWUNGRPI
Reading FTIDSWUNGRPI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Configuring FTIDSWUNGRPI
Reading FTIDSWUNGRPI.POLLTIME
Enter PollTime:
Ex:1000→

Configuring FTIDSWMOO
Reading FTIDSWMOO.POLLTIME
Enter PollTime:
Ex:1000→

Initial Context Factory Value :
Enter the ICF value for FTIDSWMOO interface and press enter
Ex: weblogic.jndi.WLInitialContextFactory→

Please enter value for FTIDSWMOO.URL :
Enter the URL value for FTIDSWMOO interface and press enter
Ex: t3://10.47.245.209:8003→
Note: IP should be the weblogic machines's IP.

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
Ex: jms/stpCFQUEUE →

Queue Name :
Enter the queue name and press enter
Ex**:** jms/stpQUEUE →

Do you want to enable JMS secure configuration (Y/y | N/n):
Enter Y and press enter
Ex:N→

Configuring BASISECRECONO
Reading BASISECRECONO.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Configuring HSBCSICCCHRGI
Reading HSBCSICCCHRGI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Configuring RPASILUTOTI
Reading RPASILUTOTI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Configuring RPASISL3I
Reading RPASISL3I.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Configuring RPASIUNTPOSI
Reading RPASIUNTPOSI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Configuring XCPTSIMBI
Reading XCPTSIMBI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Reading BASISECRECONO.POLLTIME
Enter PollTime:
Ex:1000→

Reading HSBCSICCCHRGI.POLLTIME
Enter PollTime:
Ex:1000→

Reading RPASILUTOTI.POLLTIME
Enter PollTime:
Ex:1000→

Reading RPASISL3I.POLLTIME
Enter PollTime:
Ex:1000→

Reading RPASIUNTPOSI.POLLTIME
Enter PollTime:
Ex:1000→

Reading XCPTSIMBI.POLLTIME
Enter PollTime:
Ex:1000→

Configuring PCTRLSIRBTPYMTI
Reading PCTRLSIRBTPYMTI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Reading PCTRLSIRBTPYMTI.POLLTIME
Enter PollTime:
Ex:1000→

Configuring RLXSICCRSPI
Initial Context Factory Value :
Enter the ICF value for RLXSICCRSPI interface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory →

Please enter value for RLXSICCRSPI.URL :
Enter the URL value for RLXSICCRSPI interface and press enter
Ex: tcp://UKSHWTEMS01:7222→

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
Ex: QueueConnectionFactory→

Queue Name :
Enter the queue name and press enter
Ex**:** SKUK.SOU.UAT.PNG.BL3.REALEX.RES.1→

Do you want to enable JMS secure configuration (Y/y | N/n):
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Response→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Configuring RLXSICCRSPI
Reading RLXSICCRSPI.POLLTIME
Enter PollTime:
Ex:1000→

Configuring SIBACCRSPO
Reading SIBACCRSPO.POLLTIME
Enter PollTime:
Ex:1000→

Configuring BARLXCCPYMTO
Reading BARLXCCPYMTO.POLLTIME
Enter PollTime:
Ex:1000→

Initial Context Factory Value :
Enter the ICF value for BARLXCCPYMTO interface and press enter
Ex: com.tibco.tibjms.naming.TibjmsInitialContextFactory →

Please enter value for BARLXCCPYMTO.URL :
Enter the URL value for BARLXCCPYMTO interface and press enter

Ex: tcp://UKSHWTEMS01:7222→

Queue Connection Factory Value :
Enter Queue Connection Factory Value and press enter
Ex: QueueConnectionFactory→

Queue Name :
Enter the queue name and press enter
Ex**:** SKUK.SOU.UAT.PNG.BL3.REALEX.REQ.1→

Do you want to enable JMS secure configuration (Y/y | N/n):
Enter Y and press enter
Ex:Y→

Enter the JMS Security Username:
Enter the username and press enter
Ex: BaNCS_Request→

Enter the JMS Security Password :
Enter the password and press enter
Ex:password→

Configuring XCPTSIFNDPRCI
Reading XCPTSIFNDPRCI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Reading XCPTSIFNDPRCI.POLLTIME
Enter PollTime:
Ex:1000→

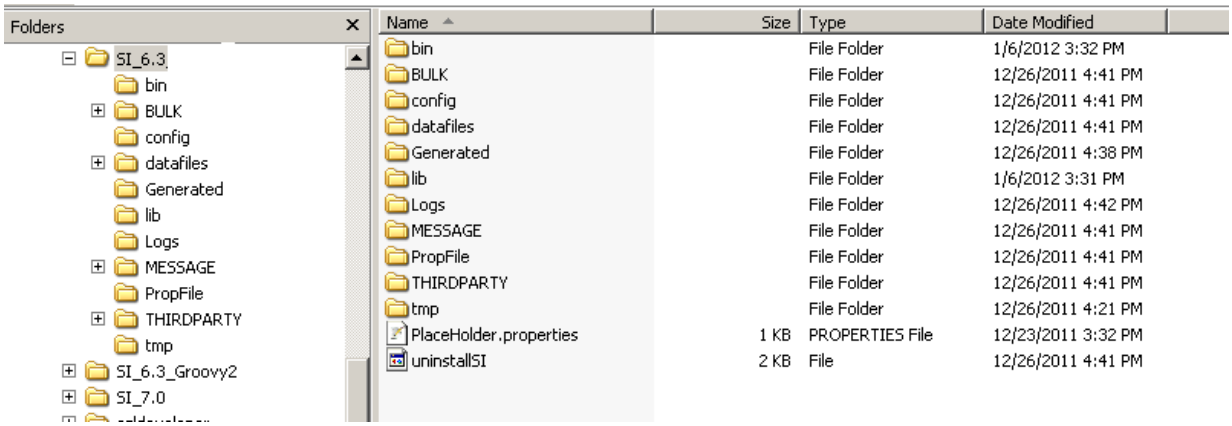
Configuring BLMSICRTI
Reading BLMSICRTI.FILEBASEDIR
Enter DataFiles Path for the interface:
S:/BaNCSFS/BancsProduct/SI/datafiles→

Reading BLMSICRTI.POLLTIME
Enter PollTime:
Ex:1000→

Enter the secret key
secret→

Installation Successful is printed if SI is successfully installed.

Following Image is the final folder structure after installation of SI



After Installation the following changes has to be done to connect with TIBCO.

1.Create a folder 'extjar' inside E:/BancsProduct/SI.The following tibco jars which will delivered by TIBCO team needs to be placed at 'extjar' folder at path '<SI_HOME>'.

Jcert.jar
Jms.jar
Jndi.jar
Tibcryt.jar
Tibjms.jar
ojdbc6.jar

2.Certs folder needs to be created within SI_HOME at path E:\BancsProduct\SI.The following file needs to be added inside Certs folder 'E:\BancsProduct\SI \Certs'

a.client_identity.p12

b.client_root.cert.pem(For clustered environment we have to merge the contents of server_client_OM.pem and server_client_Root.pem into single file and rename the file as client_root.cert.pem)

3.Rename folder name 'target' to 'output' at "S:/BaNCSFS/BancsProduct/SI/datafiles/BLOOMBERGREQ"

4. Make sure that wsdl file for all interface is updated in intranet as well as extranet at path
M:\BaNCSFS\BancsProduct\Intranet\properties\XMLFiles and
M:\BaNCSFS\BancsProduct\Extranet\properties\XMLFiles

5.Please create the following shares:

ShareName	**Folder**
BloombergResponse	<SI_HOME>\datafiles\BLOOMBERG\in
BloombergRequest	<SI_HOME>\datafiles\BLOOMBERGREQ\output
IDSExchangeRate	<SI_HOME>\datafiles\NESIFXI\in
IDSSecurityRate	<SI_HOME>\datafiles\NESISECI\in

<SI_HOME> - S:/BaNCSFS/BancsProduct/SI

SI Service Installation:

For installing SI and Batch as service we are using a thirdparty source 'Yet Another Java service Wrapper'.

Download yajsw-stable-11.0 to machine where you are installing batch or SI at path 'E:\BancsProduct' or copy from UKSHWSBBS01B(path E:\BancsProduct.)

1. Right click on command prompt in start menu and open it by clicking run as administrater option. Go to path E:\BancsProduct\SI\bin.
2. Run the following commands.
   uninstallSIMessageService
   uninstallSIBulkService
   installSIMessageService.
   installSIBulkService.
   These will create the following services.
   Bancs_SIMessageservice
   Bancs_SIBulkservice.

Scripts to uninstall services:
uninstallSIMessageService
uninstallSIBulkService.

For Clustered environments SI has to be installed in two machines. Once installation is completed in First machine login to other machine and do the following steps.

1. Copy the SI_Installer.jar from machine1(path E:\BancsInstaller\bin) to machine2 at path E:\BancsInstaller\bin.
Note: If the path is not there in machine2 create those folders.

2. Copy the installer.properties from machine1(path E:\BancsProduct\SI\PropFile) to machine2 at path E:\BancsInstaller\bin.

3. In command prompt go to <Installer_HOME>\Bin and execute the following command.

java –jar SI_Installer.jar installer.properties

4.Create a folder 'extjar' inside E:/BancsProduct/SI. The following tibco jars which will delivered by TIBCO team needs to be placed at 'extjar' folder at path '<SI_HOME>'.

Jcert.jar
Jms.jar
Jndi.jar
Tibcryt.jar
Tibjms.jar
ojdbc6.jar

5. Folders to be created:

FolderName	Path
Weblogic	E:\
server	E:\Weblogic
lib	E:\Weblogic\server

Copy the **wlfullclient.jar** to E:\Weblogic\server\lib from first machine (path: E:\Weblogic\server\lib).

6. Certs folder needs to be created within SI_HOME at path E:\BancsProduct\SI.The following file needs to be added inside Certs folder 'E:\BancsProduct\SI \Certs' lib from first machine(path: E:\BancsProduct\SI \Certs)

a.client_identity.p12
b.client_root.cert.pem

7. Change the below entries in file E:\BancsProduct\SI\ConfigFiles\ExternalArch.properties in both Batch and SI machine

From BaNCSHOME=E:/BancsProduct to
BaNCSHOME=S:/BaNCSFS/BancsProduct

Once Installation is complete, Install as a service by referring 'Installing as Service' section.

Note:
SI service should be installed in both machines but it should be started in only one machine. Start SI and Batch service in alternative machines.

CAM3 Initial SI installation:

1.The following service should be down before starting Incremental SI installation.
Bancs_SIBulkservice
Bancs_SIMessageservice

Copy ojdbc6.jar to E:\BancsInstaller\SI_Installer

2. In RepositoryInstaller.properties(take RepositoryInstaller.properties from UAT1) at path E:\BancsInstaller\SI_Installater change EAIDBURL, EAIDBSID according to environment. Refer Installer.properties at path E:\BancsInstaller_6.3\bin for values.

In following lines from RepositoryInstaller.properties change the weblogic server names of intranet according to environment.
CASIJMSI.URL=t3://**ukgswtowb02**:8003
FTIDSWMOO.URL=t3://**ukgswtowb02**:8003
SICASWIFTO.URL=t3://**ukgswtowb02**:8003

For Cluster environment two servers URL must be given
For Staging:
Ex:t3:// UKGSWSOWB01A:8003, UKWKWSOWB01B:8003 →

For all other interfaces URL,QUEUE should be changed according to environment. Refer Installer.properties at path E:\BancsInstaller_6.3\bin for values.

3. In command prompt go to E:\BancsInstaller\SI_Installater and execute the following command.

java -cp ojdbc6.jar;si-repoInstaller.jar com.tcs.mswitch.installer.RepoInstall RepositoryInstaller.properties

It will prompt for the following
Enter the DB Password for the User:
Eg: IIMS
Please re-enter password for verification:
Eg:IIMS

It will prompt for password for queues for all interfaces
Eg: password →

4. Make sure that wsdl file for all interface is updated in intranet as well as extranet at path
M:\BaNCSFS\BancsProduct\Intranet\properties\XMLFiles and
M:\BaNCSFS\BancsProduct\Extranet\properties\XMLFiles

5. Create a folder ‘extjar’ inside E:/BancsProduct/SI.The following tibco jars which will delivered by TIBCO team needs to be placed at ‘extjar’ folder at path ‘<SI_HOME>’.

Jcert.jar
Jms.jar
Jndi.jar
Tibcryt.jar
Tibjms.jar
ojdbc6.jar

6. Change the below entries in file E:\BancsProduct\SI\ConfigFiles\ExternalArch.properties in both Batch and SI machine
From BaNCSHOME=E:/BancsProduct to
BaNCSHOME=S:/BaNCSFS/BancsProduct

Accessing the SI:

SI can be started either as service or through command prompt

Service:

Start SI services both message & Bulk.

Command Prompt:

You can access the SI from <SI_HOME>/bin. Make sure that JAVA_HOME directory path is set at system variables.

You can start Message JVM by going into <SI_HOME>/bin and double click Start_message.bat

Similarly you may start the Bulk JVM by going into <SI_HOME>/bin and double click Start_bulkfile.bat

Default Log Files

7 < BANCS_HOME>/logs
8 BaNCS SI logs

Incremental Installation SI:

1.Copy the RepositoryInstaller.properties from “<SI_HOME>\PropFile” to E:\BancsInstaller\SI_Installater.

Note:
In environments where SI is in separate machine where SI is in separate machine given tar (BancsInstaller.tar) should be extracted at path E:\BancsInstaller and incremental installation should be done in two machines where SI was installed.

The following service should be down before starting Incremental SI installation.
Bancs_SIBulkservice
Bancs_SIMessageservice

2. In command prompt go to E:\BancsInstaller\SI_Installater and execute the following command.

java -cp ojdbc6.jar;si-repoInstaller.jar com.tcs.mswitch.installer.RepoInstall RepositoryInstaller.properties

3. Make sure that wsdl file for all interface is updated in intranet as well as extranet at path M:\BaNCSFS\BancsProduct\Intranet\properties\XMLFiles and M:\BaNCSFS\BancsProduct\Extranet\properties\XMLFiles

4. Create a folder 'extjar' inside E:/BancsProduct/SI.The following tibco jars which will be delivered by TIBCO team needs to be placed at 'extjar' folder at path '<SI_HOME>'.

Jcert.jar
Jms.jar
Jndi.jar
Tibcryt.jar
Tibjms.jar
ojdbc6.jar

5. Change the below entries in file E:\BancsProduct\SI\ConfigFiles\ExternalArch.properties in both Batch and SI machine
From BaNCSHOME=E:/BancsProduct to
BaNCSHOME=S:/BaNCSFS/BancsProduct

Accessing the SI:

SI can be started either as service or through command prompt

Service:

Start SI services both message & Bulk.

Command Prompt:

You can access the SI from <SI_HOME>/bin

You can start Message JVM by going into <SI_HOME>/bin and double click Start_message.bat

Similarly you may start the Bulk JVM by going into <SI_HOME>/bin and double click Start_bulkfile.bat

Default Log Files

9 < BANCS_HOME>/logs
10 BaNCS SI logs

1.13 Incremental DB Refresh

Before DB refresh make sure that the servers,schedulars,SI connected to this DB are stopped. If Dump is provided follow “Refreshing with DBDump” steps. If Incremental Scripts are provided follow “Refreshing with Incremental Scripts” steps.

Refreshing with DBDump:

1.Drop all users by loging in as sysdba by executing the following command in command prompt.
sqlplus / as sysdba

2.SQL prompt will appear and execute the following commands.
drop user WORKFLOW cascade;
drop user BATCH_USER cascade;
drop user IIMS_CLM cascade;
drop user COMMON cascade;
drop user IIMS_UWR cascade;
drop user ENT_MGR cascade;
drop user IIMS_SF cascade;
drop user APPUSER cascade;
drop user IIMS_PTY cascade;
drop user BANCSDB cascade;
drop user IIMS_ACC cascade;
drop user IIMS_SEC cascade;
drop user IIMS_PRD cascade;

3.If You get the error as “cannot drop the connected user”, first kill the sessions connected to user and drop it. We can get the sessions connected to the user by executing the following command in SQL prompt.

1]Change the username according to the user for which you are getting the above error.
select sid,serial# from V$session where username=’USERNAME’ and status not in (’KILLED’);

2]After getting sid,serial# we can kill the session by executing the below command in sql prompt,
Change SID,Serial# according the value returned from above query.
alter system kill session ‘sid,serial#’;

3] After killing all the sessions which was connected by the user you can drop the user by the following command in sql prompt.
Change the username according to the user for which you are getting the above error.
drop user username cascade;
exit;

4. After droping all users you can start import and give grants as explained in section 1.7 (step 7 and 8).

Refreshing with Incremental Scripts:

1.Extract the attached zip file(To_Be_Run_In_Golden_Copy_FromDate_ToDate.zip) to E:\DBDumps.After extracting following files will be present
To_Be_Run_In_Golden_Copy_INSURANCE_FromDate_ToDate.sql
To_Be_Run_In_Golden_Copy_SP_FromDate_ToDate.sql
Month folder(or Folders).
Make sure that all these are present at path 'E:\DBDumps\To_Be_Run_In_Golden_Copy_FromDate_ToDate’
2.Go to command prompt and connect to bancsdb by executing the following command.

sqlplus BANCSDB/BANCSDB123@orcl

3.Sql prompt will appear and execute the following commands.

@E:\DBDumps\To_Be_Run_In_Golden_Copy_FromDate_ToDate \To_Be_Run_In_Golden_Copy_SP_FromDate_ToDate.sql;

commit;

exit;

4.In command prompt connect to appuser by executing the following command.

sqlplus APPUSER/IIMS@orcl

5.Sql prompt will appear and execute the following commands.

@E:\DBDumps\To_Be_Run_In_Golden_Copy_FromDate_ToDate \To_Be_Run_In_Golden_Copy_INSURANCE_FromDate_ToDate.sql;

commit;

exit;

6. Execute the synonym_grant.sql which is attached in TCSBaNCSInstallationManual as explained in that Manual at section 1.7(8th step).

After executing following log files will be generated at 'E:\DBDumps\To_Be_Run_In_Golden_Copy_FromDate_ToDate'

To_Be_Run_In_Golden_Copy_INSURANCE_FromDate_ToDate.lst

To_Be_Run_In_Golden_Copy_SP_FromDate_ToDate.lst.

1.14 Cluster Setup

About the Installer:

This installer is used to build BaNCS Intranet and extranet application in Clustered domain, also can be used for applying incremental patches. In this cluster environment there are four servers' two servers for intranet and two servers for extranet, both intranet servers are in one cluster and both extranet servers are in another cluster.

Full Installation (Basic Setup):

1. Create a folder BancsInstaller in E: drive of Weblogic server(For preprod UKSHWSOWB01A)and unzip the BancsInstaller.tar inside the folder. After unzipping we get following folder structure

2.**Folders to be created:**

Folder Name	Path
BancsProduct	Shared path(M:\BaNCSFS for preprod)
BancsTemplate	Shared path(M:\BaNCSFS for preprod)
Log	Create a folder BancsProduct in E: drive and create log folder inside it in both machines.
Bin	E:\BancsProcuct in both machines.

3. Open the command prompt and go to <Installer_HOME>\Bin

4. Run the Executable jar with following command

Syntax:

Java -Xmx1024m –jar <jar name >

Ex: java -Xmx1024m –jar bancs_cluster.jar

5. At first language selection panel will come

Select the language and click OK

6.Click next until you arrive at License panel, in this panel you have to accept license

7. After accepting license target panel will come we have to give the path of the folder which we have unzipped like E:\BancsInstaller

Give the path of unzipped folder(E:\BancsInstaller)

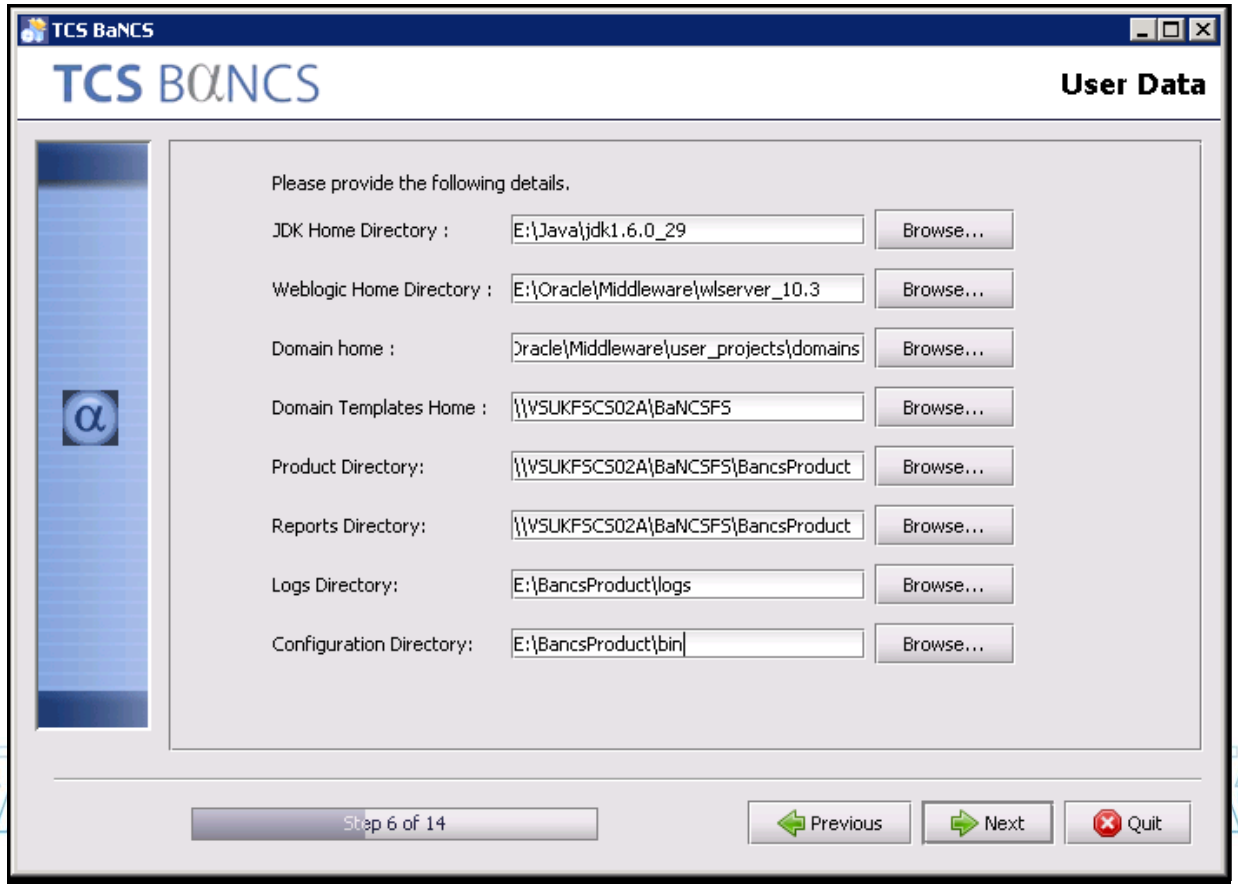
Note: Always create a folder name with no space

When you click next it will ask for the permission for overwriting the existing files click **yes** and proceed

8. After this panel pack panel will come and this panel will show different component of integrated application. In the panel these component will come with check boxes, if you want to skip any component then we have to uncheck it.

Note: For Extranet and Intranet components the Domain option also needs to be selected for installation.

9. After this panel following 1st User Input panels will come



- The location of the folder which we created in step 2(Location of the folder which contain final product)
- Location of the folder where SI is to be installed(In Pre production and production it will be the network path which point to other machine)
- Location of the folder where final reports to be generated

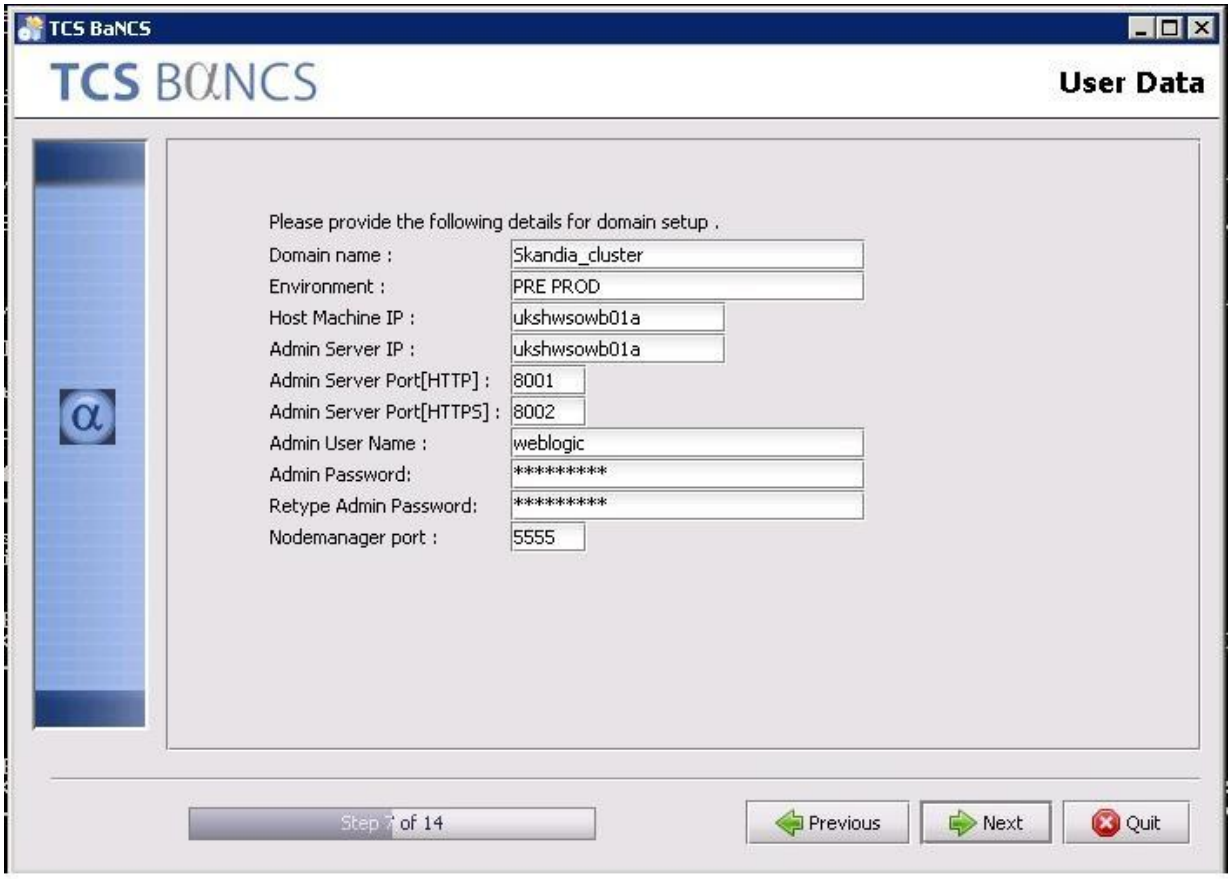
EX:-

Java home	E:\Java\jdk1.6.0_29
Weblogic server location	E:\Oracle\Middleware\wlserver_10.3
Location of domain	E:\Oracle\Middleware\user_projects\domains
Templates path	M:\BaNCSFS\BancsTemplate
Product folder	M:\BaNCSFS\BancsProduct
Reports directory	M:\BaNCSFS\BancsProduct
Log directory	E:\BancsProduct\logs
Configuration directory	E:\BancsProduct\bin

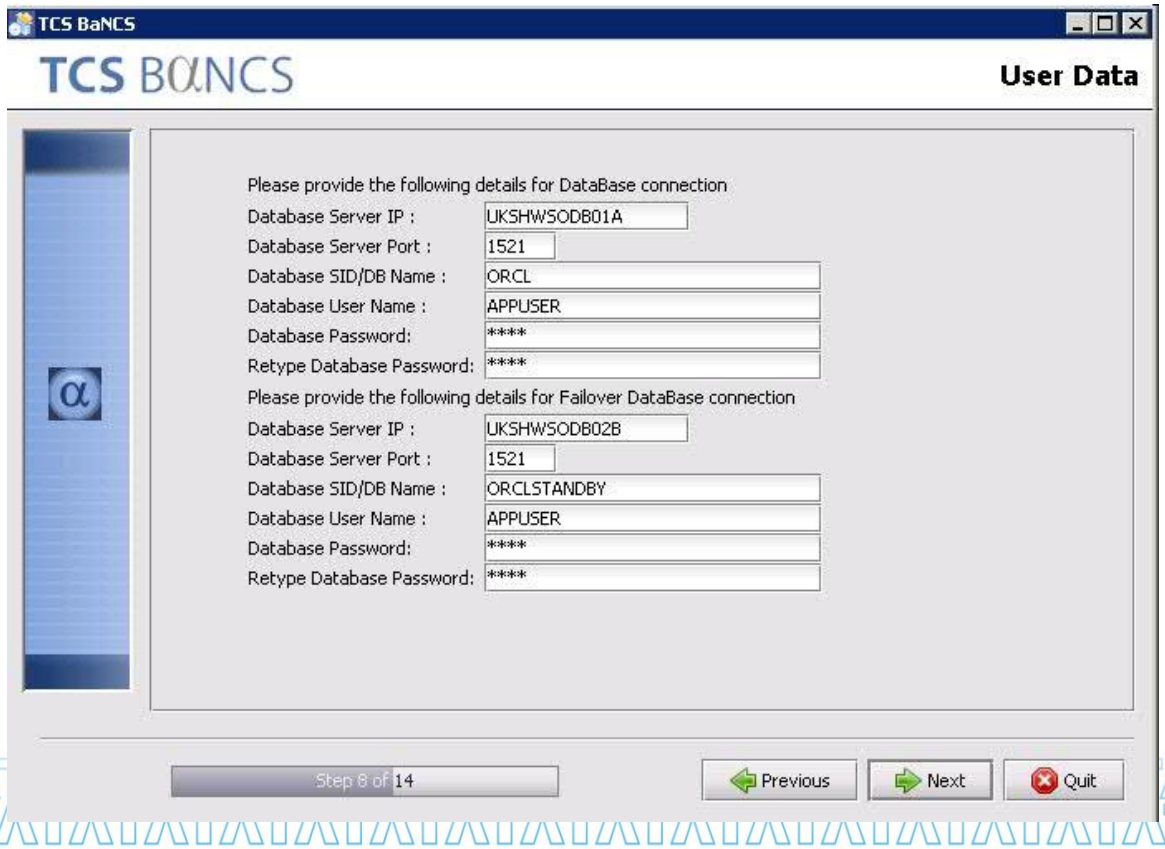
10. After this User Input Panel next User Input panel will come which is mainly taking information related to properties and host

- Domain name
- Environment name
- Host IP address
- Admin server IP address
- Admin server Http port
- Admin server Https port
- Admin server user name
- Admin server Password
- Node manager Port

Domain name	Skandia_cluster
Host IP address	Domain name of the machine where application is to be installed
Admin server IP address	Domain name of machine on which admin server is created(for single server installation it is same as host IP)
Admin server Http port	8001
Admin server Https port	8002
Admin server user name	Admin server username(Use **weblogic** as username because only this user exists for now)
Admin server Password	Admin server password(you may give your user defined password which should be 8 character long and should be combination of number and alphabet)
Environment name	RSK(provide the proper env name like SAT,UAT ,production etc)
Node Manager Port	5555



11. After this next UI panel will come which will take the information about the Database configurations (Both main and stand by).



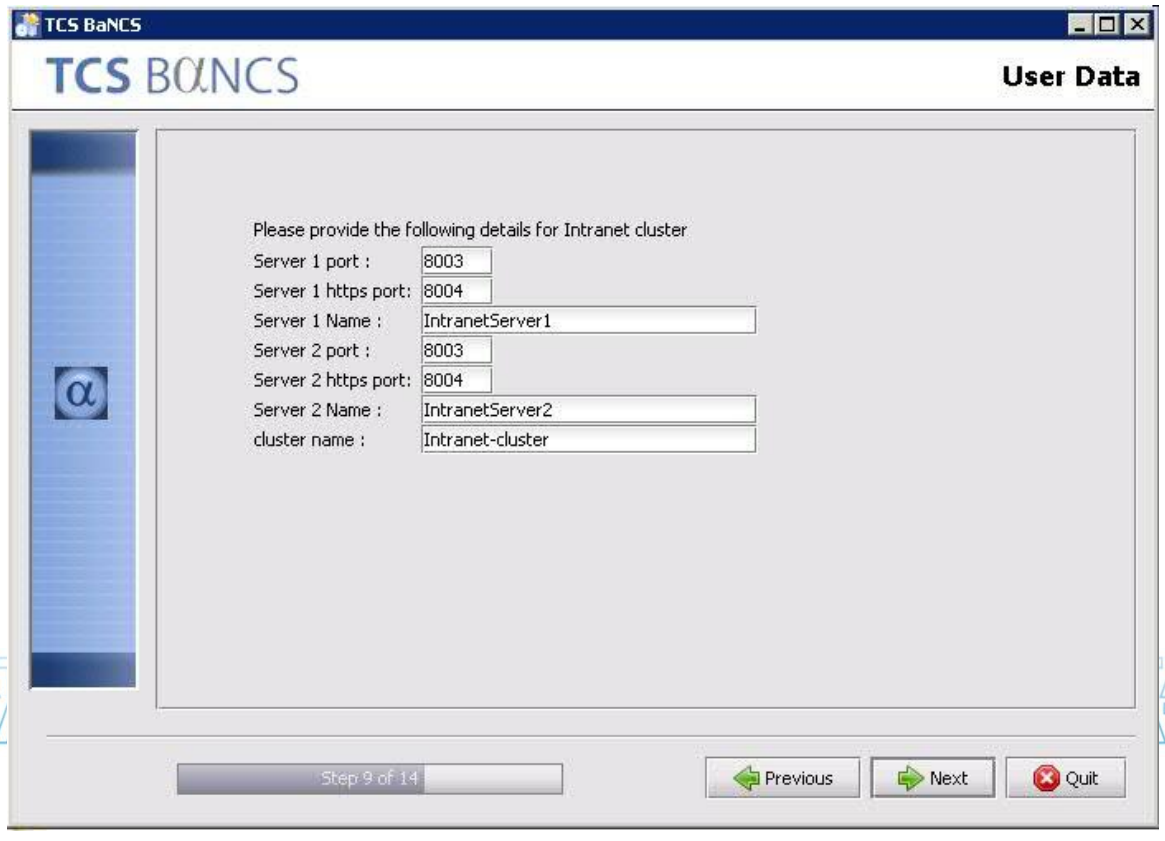
This panel will take following information

- Database sever IP
- Database port
- Database SID
- Database Username
- Database password
- Database sever IP(stand By)
- Database port(stand By)
- Database SID(stand By)
- Database Username(stand By)
- Database password(stand By)

Database sever IP	DomainName of the machine where database is present
Database port	Port of database
Database SID	Service id of database
Database Username	APPUSER
Database password	IIMS
Database sever IP(Stand By)	DomainName of the machine where database is present
Database port(Stand By)	Port of database
Database SID(Stand By)	Service id of database
Database Username(Stand By)	APPUSER
Database password(Stand By)	IIMS

Caution: for both main and Standby db username and password should be same.

12. After this panel next panel will come which will ask information for intranet servers and cluster.

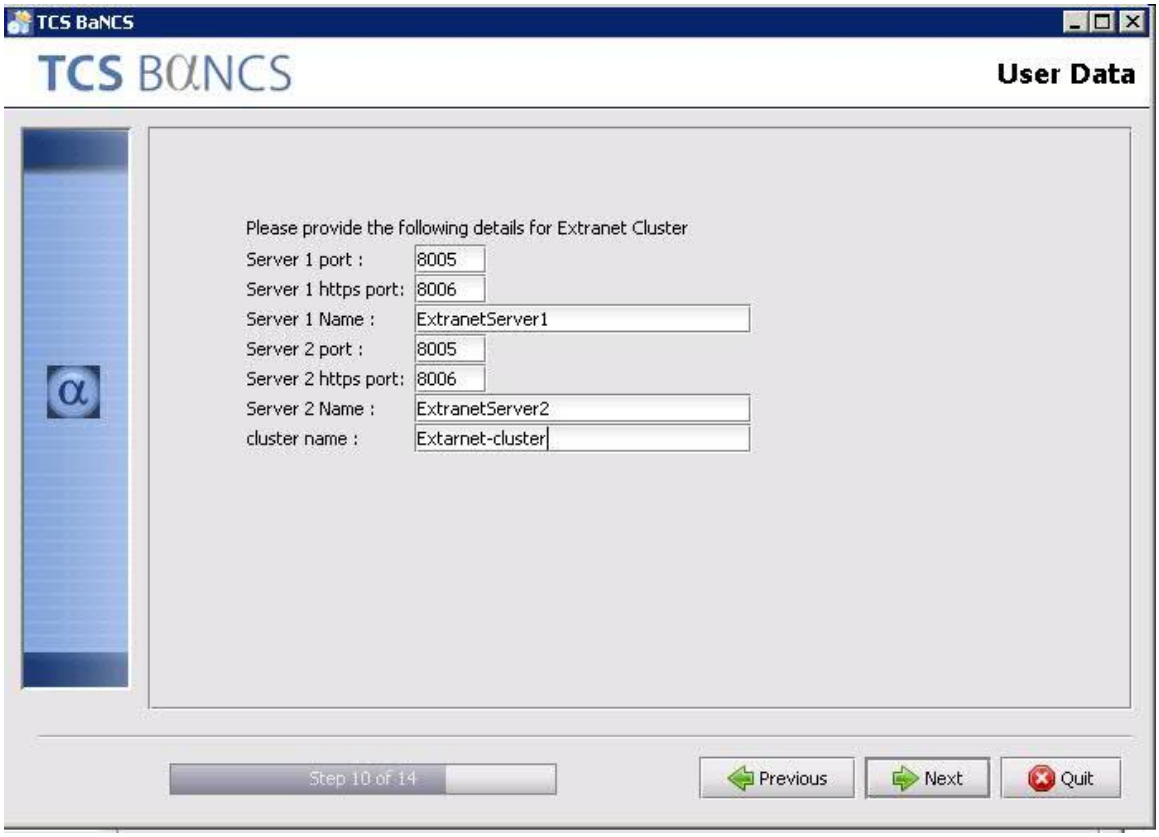


This panel will take following information

- Intranet server 1 port
- Intranet server 1 https port
- Intranet server 1 name
- Intranet server 2 port
- Intranet server 2 https port
- Intranet server 2 name
- Intranet cluster name

Intranet server 1 port	8003
Intranet server 1 https port	8004
Intranet server 1 name	IntranetServer1
Intranet server 2 port	8003
Intranet server 2 https port	8004
Intranet server 2 name	IntranetServer2
Intranet Cluster name	Intranet-cluster

13. After this panel next panel will come which will ask information for extranet servers and cluster.



This panel will take following information

- Extranet server 1 port
- Extranet server 1 https port
- Extranet server 1 name
- Extranet server 2 port
- Extranet server 2 https port
- Extranet server 2 name
- Extranet cluster name

Extranet server 1 port	8005
Extranet server 1 https port	8006
Extranet server 1 name	ExtranetServer1
Extranet server 2 port	8005
Extranet server 2 https port	8006
Extranet server 2 name	ExtranetServer2
Extranet Cluster name	Extranet-cluster

14. After this next panel will come which will ask for servers machines related details

This panel will take following information

- Machine 1 IP
- Machine 1 name
- Machine 1 IP

- Machine 1 name

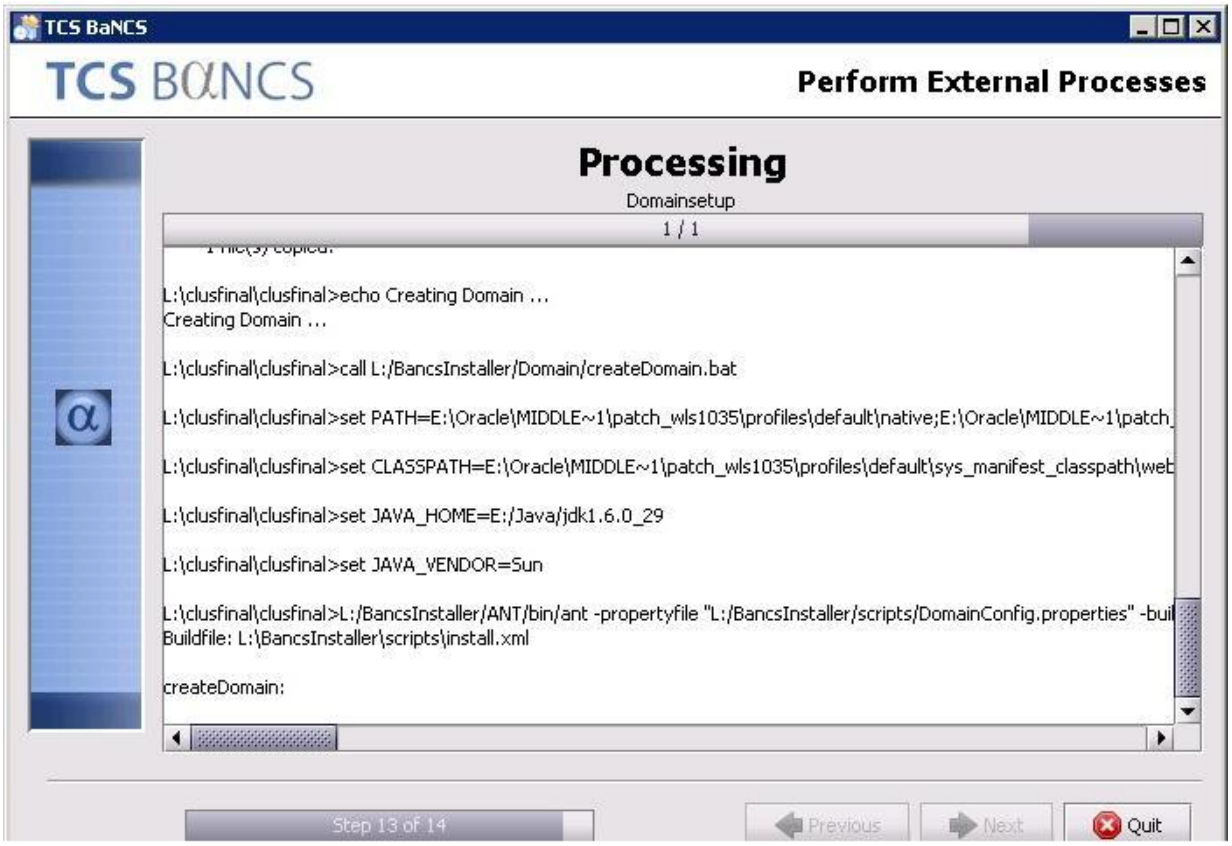
Machine 1 IP	DomainName of machine 1
Machine 1 name	IMech1
Machine 2IP	DomainName of machine 2
Machine 2 name	IMech2

15. After this panel install panel will come which is used for copying the data, replacing properties and application files

17. Then process panel will come, at this panel following event happen for one for the machine

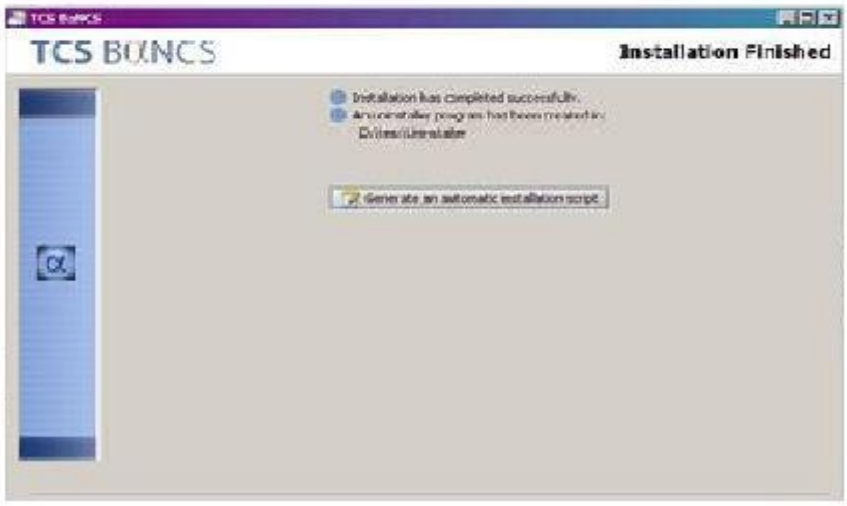
    1. Setting of WLS environment
    2. Creating domain
    3. Starting and enrolling node manager
    4. Starting admin server via node manager (Background process)
    5. Creating resources (JDBC and JMS connections)
    6. Starting managed servers (Both intranet and extranet)
    7. Pack domain
    8. Copying changed files from installer to product folder(only selected components are copied)

Note: If any process **execution failed window** will come please click **yes** to continue execution .this may occur because some folder it to be overwrite

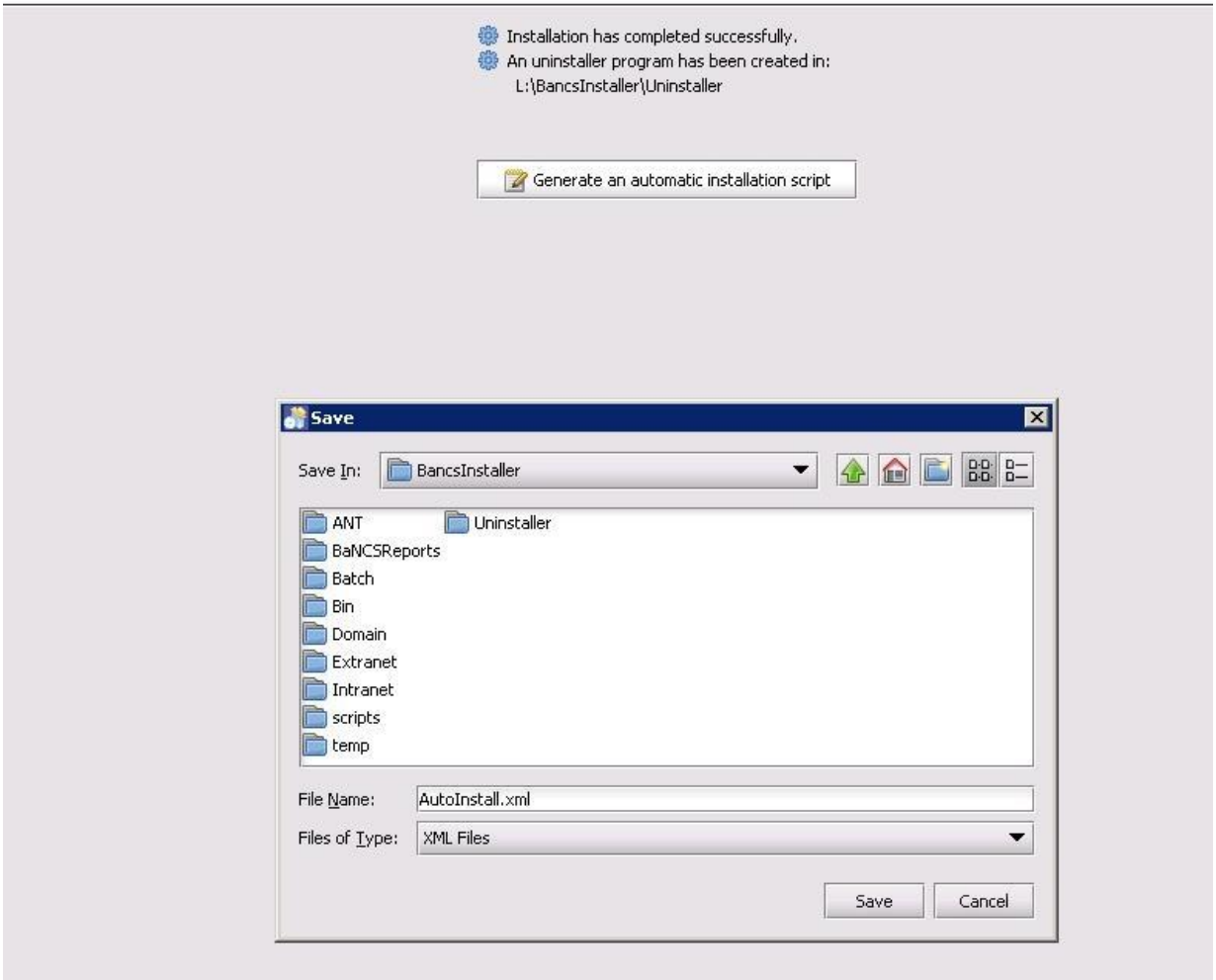


18. After this panel finish panel will come which come with the option of generation of automated install script which may be useful in updating properties by console mode.

Note: Please create a script with name AutoInstall.xml in the bin folder of BancsInstaller Folder. This is required for automated incremental installation



When you click on the Generate Automatic Installation script it will pop up a window which will ask for the name of the XML to be generated give name as **AutoInstall.xml** and save it.



19. Then press done to finish installation and close installer window.
20. Copy the folder Bea_serviceM1 and all scripts from <sharedpath>/BancsProduct\Bin\Machine1 (for preprod -M:\BaNCSFS\BancsProduct\Bin\Machine1) to E:\BancsProduct\bin in machine1.
21. Login to the other machine and create a BancsInstaller folder in second machine(UKSHWSOWB02B for preprod) and copy the Domain folder inside this folder from E:/BancsInstaller in first machine.
22. Copy the folder Bea_serviceM2 and all scripts from <sharedpath>/BancsProduct\Bin\Machine2 (for preprod -M:\BaNCSFS\BancsProduct\Bin\Machine2) to E:\BancsProduct\bin in machine2.
23. Go to BancsInstaller/Domain and run unpack.bat,it will create the domain in machine 2.
24. Once unpack is successful, run creatingNodeMgrCertificate.bat at path E:\BancsInstaller\Domain, it will create a test certificate at path E:\BancsInstaller\Domain.
25. Once creatingNodeMgrCertificate is successful, run enrollnodemanager.bat at path E:\BancsInstaller\Domain, it will start the node manager in background and enroll it with the admin server.
26. Once enrolling of node manager is successful, run StartIntranetM2.bat,StartExtranetM2.bat at path E:\BancsProduct\bin it will start other two server which is targeted on machine 2.
27. Once both servers on Machine 2 is up ,run deploy.bat at path E:\BancsInstaller\Domain, it will deploy both application(Intranet and extranet)

Installing as Service:

1.In machine1 right click on command prompt in start menu and open it by clicking run as administrater option. Go to path E:\BancsProduct\bin\Bea_serviceM1.
2.Run the following commands
startAdminService.cmd
installNodeMgrSvc.cmd
startIntranetService.cmd
startExtranetService.cmd

These commands will install the following services
Bancs_AdminService,Bancs_NodeManager,Bancs_IntranetService,Bancs_ExtranetService.

3. In machine2 right click on command prompt in start menu and open it by clicking run as administrater option. Go to path E:\BancsProduct\bin\Bea_serviceM2.
4.Run the following commands.
installNodeMgrSvc.cmd
startIntranetService.cmd
startExtranetService.cmd

These commands will install the following services
Bancs_NodeManager,Bancs_IntranetService,Bancs_ExtranetService.

5.Stop all the servers and start the services in following order.
Machine1:
Bancs_AdminService
Bancs_NodeManager
Bancs_IntranetService
Bancs_ExtranetService
Machine2:
Bancs_NodeManager
Bancs_IntranetService
Bancs_ExtranetService

Notes:

Please give full access to bancsproduct folder in shared drive for the service account which is used to start services and delete the logs created at E:\Bancsproduct\logs before starting the services.

Please stop the nodemanager in both machines by going to task manager in processes tab right click on javaw process and select end process tree option as nodemanager will be running in background.

1.15 <BANCS_HOME> directory structure for Cluster setup

After running the installer, the structure created for BaNCS application is as follows:

1.16 Batch Installation

Pre-requites

Creation of WLfullclient jar

Steps to create wlfullclient.jar
1. Login to any system which has weblogic server10.3.5 installed(eg:ukshwsowb01a)
2. Navigate to **Oracle\Middleware\wlserver_10.3\server\lib** on command prompt

3. Run this command

Java -jar wljarbuilder.jar -profile wlfullclient

Note: please don't change anything in this command

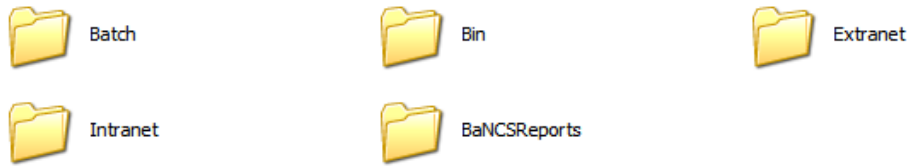
4. The jar will be created in **Oracle\Middleware\wlserver_10.3\server\lib** directory

Copy this jar to the thirdparty folder which we will create in step two of installation.

Copy ojdbc6.jar from machine where weblogic is installed (ukshwsowb01a path:E:\Oracle\Middleware\wlserver_10.3\server\lib) to E:\BancsProduct\thirdparty

Full Installation (Basic Setup):

1. Create a folder BancsInstaller and Unzip the BancsInstaller.tar to BancsInstaller in E: drive of machine where batch is to be installed. After unzipping we get following folder structure



2. Folders to be created.

FolderName	Path
BancsProduct	E:\
thirdparty	E:\BancsProduct

3. Open the command prompt and go to <Installer_HOME>\Bin

4. Run the Executable jar with following command

Syntax:

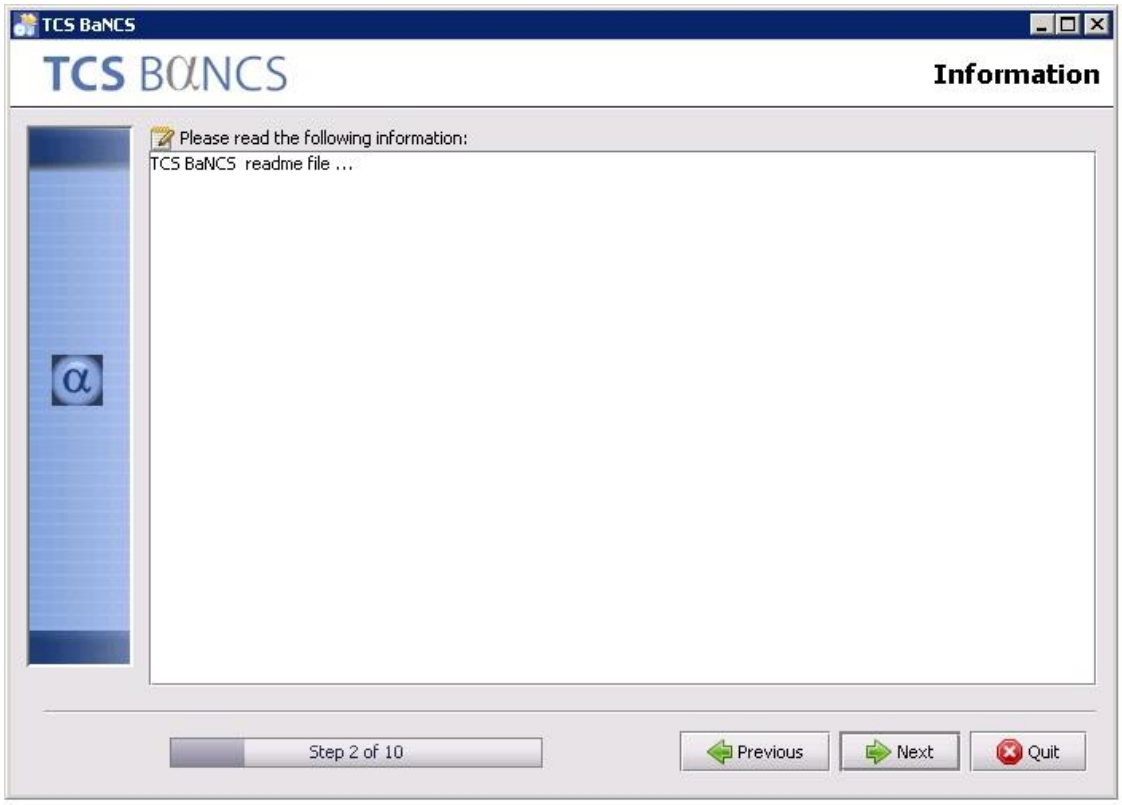
Java -Xmx1024m –jar <jar name >

Ex: java -Xmx1024m –jar bancs.bat.jar

5. At first language selection panel will come

Select the language and click OK

6. Click next until you arrive at License panel, in this panel you have to accept license



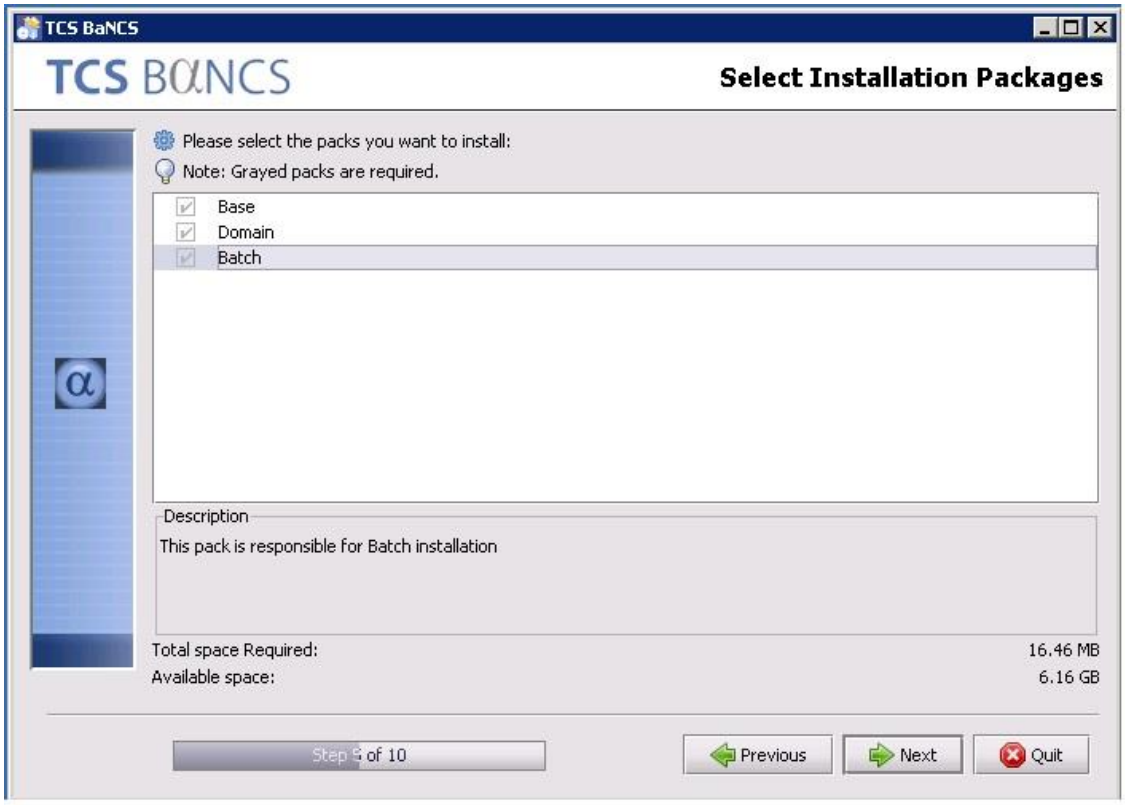
7. After accepting license target panel will come we have to give the path of the folder which we have unzipped like E:\BancsInstaller

Give the path of unzipped folder.(E:\BancsInstaller)

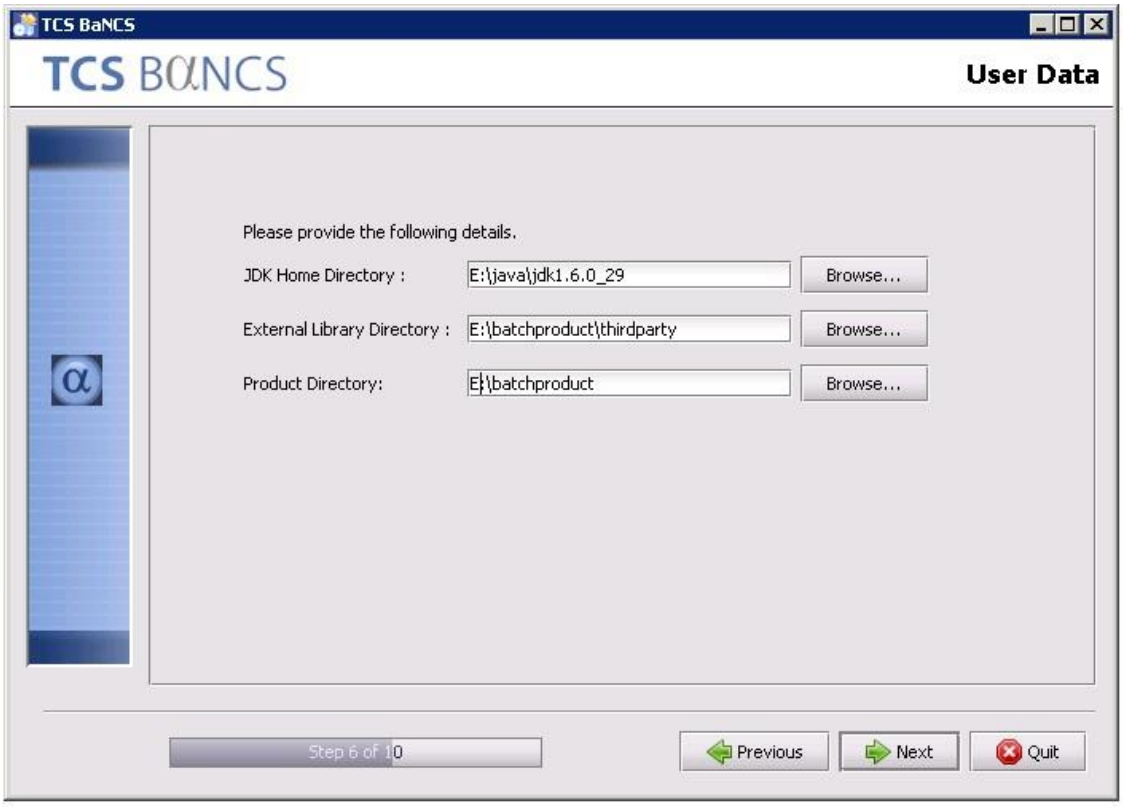
Note: Always create a folder name with no space

When you click next it will ask for the permission for overwriting the existing files click **yes** and proceed

8. After this panel pack panel will come and this panel will show different component of Batch. In Batch installer everything is checked because every pack is required for installation.



9. After this panel following 1st User Input panels will come



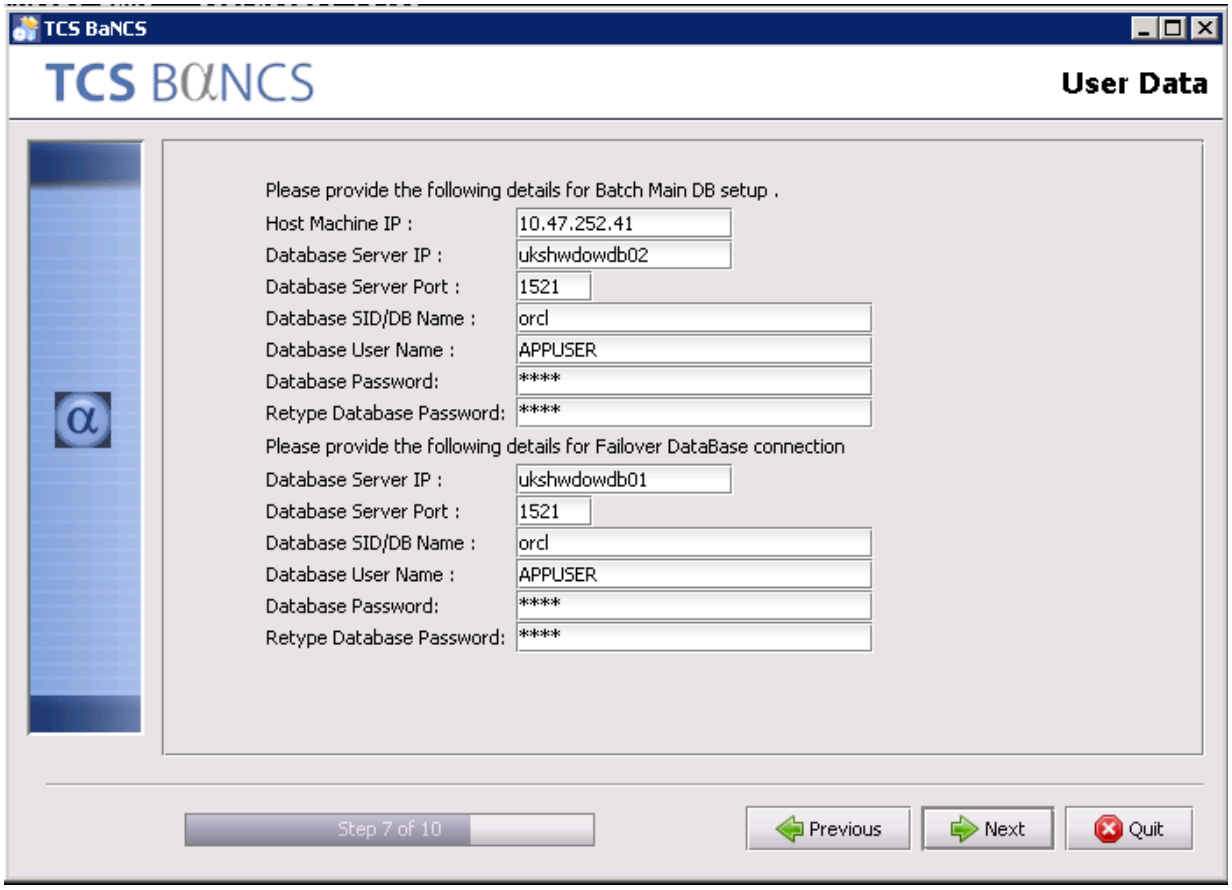
Fill this panel with

- Java home
- third party jar(External jar) location
- Bancs product directory

EX:-

Java home	E:\Java\jdk1.6.0_29
Third party jar location	E:\BancsProduct\thirdparty
Location of product	E:\BancsProduct

10. After this next UI panel will come which will take the information about the Database configurations (Both main and stand by).



This panel will take following information

- Host IP
- Database sever IP
- Database port
- Database SID
- Database Username
- Database password
- Database sever IP(stand By)
- Database port(stand By)
- Database SID(stand By)
- Database Username(stand By)
- Database password(stand By)

Host IP	**IP of the machine where Batch to be installed**
Database sever IP	Domain name of the machine where database is present
Database port	Port of database
Database SID	Service id of database(eg:orcl)
Database Username	APPUSER
Database password	IIMS

Database sever IP(Stand By)	IP of the machine where database is present
Database port(Stand By)	Port of database
Database SID(Stand By)	Service id of database(eg:orclstandby)
Database Username(Stand By)	APPUSER
Database password(Stand By)	IIMS

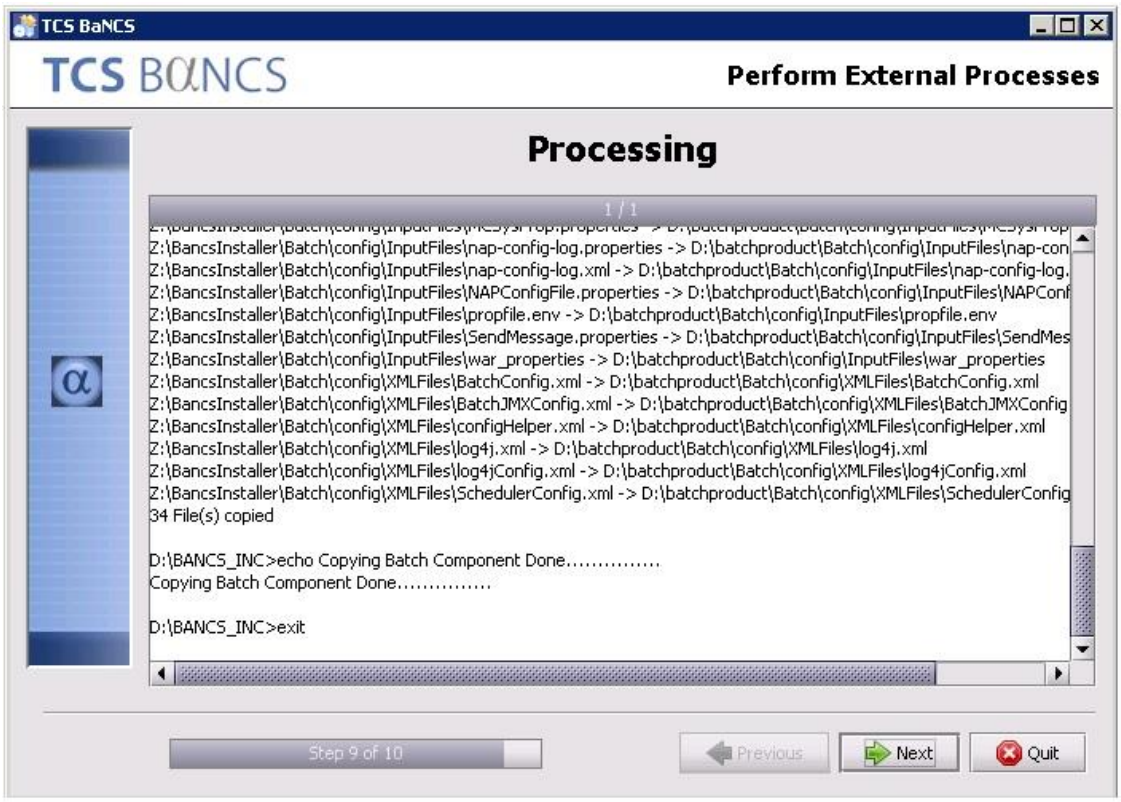
Caution: for both main and Standby db username and password should be same.

11. After this panel install panel will come which is used for copying the data, replacing properties and application files

12. Then process panel will come, at this panel following event happen for one for the machine

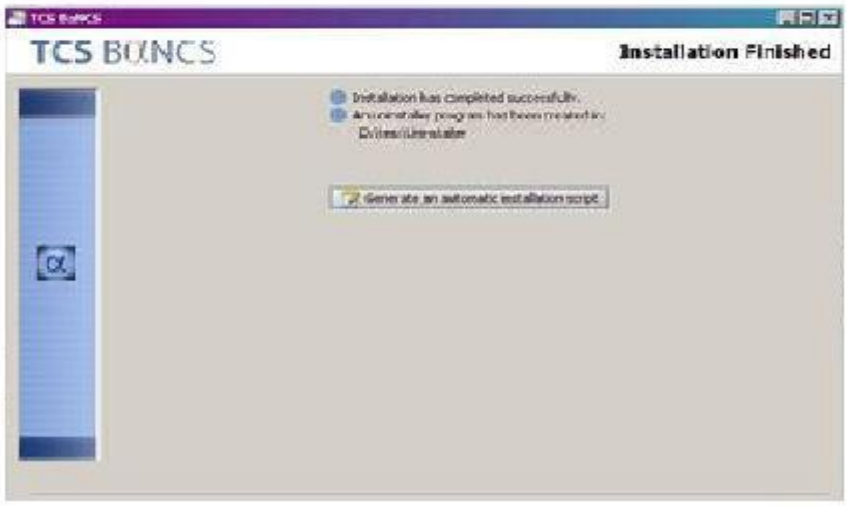
Copying changed files from installer to product folder

Note: If any process **execution failed window** will come please click **yes** to continue execution .this may occur because some folder it to be overwrite

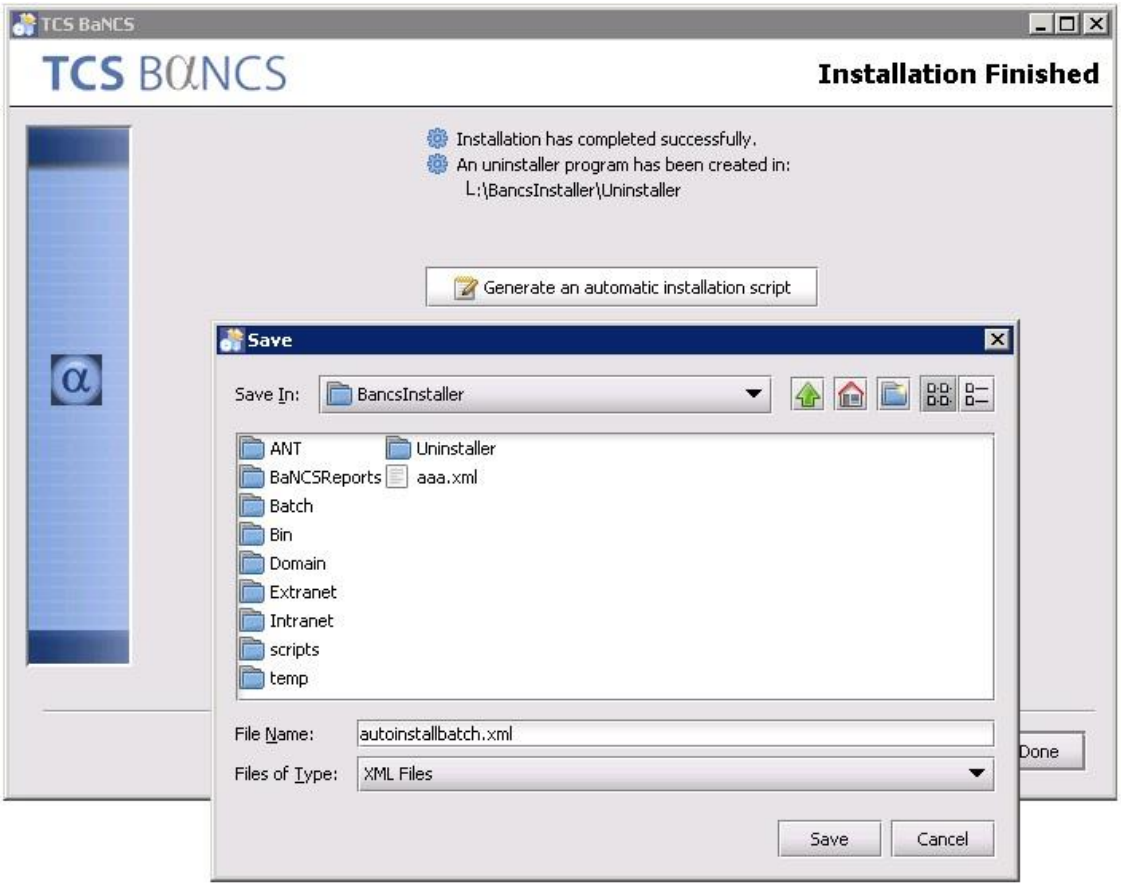


13. After this panel finish panel will come which come with the option of generation of automated install script which may be useful in updating properties by console mode.

Note: Please create a script with name AutoInstallBatch.xml in the bin folder of BancsInstaller Folder. This is required for automated incremental installation



When you click on the Generate Automatic Installation script it will pop up a window which will ask for the name of the XML to be generated give name as **AutoInstallBatch.xml** and save it.



After installation Change the values in following files.

1 .In **ExternalArch.properties** at path **BancsProduct\Batch\config\ConfigFiles** change the following
BaNCSHOME= S:/BaNCSFS/BancsProduct/

2. Copy BaNCSReports folder from M:\BaNCSFS\BancsProduct to S:\BaNCSFS\BancsProduct.
3. Create folder FinalReports at S:\BaNCSFS\BancsProduct
4. Please place all .wsdl and Wsdlmetadata.xml files from M:\BaNCSFS\BancsProduct\Extranet\properties\XMLFiles to E:\BancsProduct\SpringBatch\properties\XMLFiles.

5.Change the below entry in file **E:\BancsProduct\SpringBatch\bin\wrapper.SpringScheduler.conf** in both Batch/ SI machine
From wrapper.java.additional.34 = -DBaNCSHOME=E:/BancsProduct as wrapper.java.additional.34 = -DBaNCSHOME=S:/BaNCSFS/BancsProduct

6. Change the below entry in **E:\BancsProduct\SpringBatch\properties\ConfigFiles\ExternalArch.properties** in both SI and Batch Machine

From BaNCSHOME=E:/BancsProduct/ to BaNCSHOME=S:/BaNCSFS/BancsProduct/

1.16.1 Incremental Batch Installation:

PreRequiste:
The following services should be down.
BancsNAP
BancsScheduler
IntranetAdhoc
ExtranetAdhoc

1.Make sure that given tar (BancsInstaller.tar) is extracted at path E:\BancsInstaller during incremental SI installation.Incremental Batch Installation should be done in two machines where batch was installed.

2.In command prompt to go path E:\BancsInstaller\bin and execute the below command.

java -Xmx1024m –jar bancs.bat.jar AutoInstallBatch.xml

Note: AutoInstallBatch.xml which was saved during full batch installation should be copied to path E:\BancsInstaller\bin

After installation Change the values in following files.
1. In **ExternalArch.properties** at path **BancsProduct\Batch\config\ConfigFiles** change the following
   BaNCSHOME=S:/BaNCSFS/BancsProduct/

2. Copy BaNCSReports folder from M:\BaNCSFS\BancsProduct to S:\BaNCSFS\BancsProduct.

3.Please place all .wsdl and Wsdlmetadata.xml files from
M:\BaNCSFS\BancsProduct\Extranet\properties\XMLFiles to
E:\BancsProduct\SpringBatch\properties\XMLFiles

4.Change the below entry in file
E:\BancsProduct\SpringBatch\bin\wrapper.SpringScheduler.conf in both Batch/ SI machine
From wrapper.java.additional.34 = -DBaNCSHOME=E:/BancsProduct as
wrapper.java.additional.34 = -DBaNCSHOME=S:/BaNCSFS/BancsProduct

5. Change the below entry in
E:\BancsProduct\SpringBatch\properties\ConfigFiles\ExternalArch.properties in both SI and Batch Machine

From BaNCSHOME=E:/BancsProduct/ to
BaNCSHOME=S:/BaNCSFS/BancsProduct/

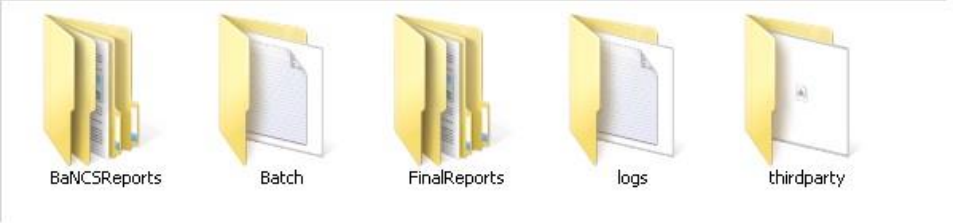
To start the services go to **start->run-> services.msc**

Start the services **BancsScheduler and BancsNAP**

Notes:
1. Install Batch in Both machines. For installing in other machine follow the same instructions. Batch service should be installed in both machines but it should be started in only one machine. Start SI and Batch service in alternative machines.
2. Run Gmt.txt in Database by connecting to Bancsdb (sid:orcl) before starting the scheduler service.
3. Start the service by using service account provided.

1.17 <BANCS_HOME> directory structure for Batch setup

After running the installer, the structure created for Batch application is as follows:



1.18 Installation of Batch Scheduler and NAP services

For installing SI and Batch as service we are using a thirdparty source 'Yet Another Java service Wrapper'.

Download yajsw-stable-11.0 to machine where you are installing batch or SI at path 'E:\BancsProduct' or copy from UKSHWSBBS01B(path E:\BancsProduct.)

Open the command prompt in the **administrator mode**

Go to the path **Bancsproduct\Batch\bin**

Run the **installScheduler.bat** for Batch Scheduler and **installnap.bat**. and for NAP

1. Change the below entry in
E:\BancsProduct\SpringBatch\properties\ConfigFiles\ExternalArch.properties
From
BaNCSHOME=E:/BancsProduct/ to
BaNCSHOME=S:/BANCSFS/BancsProduct/

2.change the below entry as below in file
E:\BancsProduct\SpringBatch\bin\wrapper.SpringScheduler.conf in Batch/ SI machine
from
wrapper.java.additional.34 = -DBaNCSHOME=E:/BancsProduct to
wrapper.java.additional.34 = -DBaNCSHOME=S:/BaNCSFS/BancsProduct

3.FOR ENABLING THE GC logs
Below changes are for enabling the GC logs in all respective Batch servers.

step1: Add below entries at the end of file in
E:\BancsProduct\\SpringBatch\bin\wrapper.ExtranetAdhoc.conf in Batch/ SI machine

wrapper.java.additional.29 = -verbose:gc
wrapper.java.additional.30 = -XX:+PrintGCDetails
wrapper.java.additional.31 = -XX:+PrintGCDateStamps
wrapper.java.additional.32 = -Xloggc:E:/BancsProduct/logs/gc_ExtranetAdhoc.log

step 2: Add below entries at the end of file in
E:\BancsProduct\SpringBatch\bin\wrapper.IntranetAdhoc.conf in Batch/ SI machine
wrapper.java.additional.29 = -verbose:gc
wrapper.java.additional.30 = -XX:+PrintGCDetails
wrapper.java.additional.31 = -XX:+PrintGCDateStamps
wrapper.java.additional.32 = -Xloggc:E:/BancsProduct/logs/gc_IntranetAdhoc.log

step 3: Add the below entries at the end of file in
E:\BancsProduct\SpringBatch\bin\wrapper.SpringScheduler.conf in Batch/ SI machine
wrapper.java.additional.35 = -verbose:gc
wrapper.java.additional.36 = -XX:+PrintGCDetails
wrapper.java.additional.37 = -XX:+PrintGCDateStamps
wrapper.java.additional.38 = -Xloggc:E:/BancsProduct/logs/gc_Springscheduler.log

To start the services go to **start->run-> services.msc**

Start the services **BancsScheduler and BancsNAP**

You can uninstall the services by running **uninstallScheduler.bat and uninstallnap.bat**.

Notes:
1. Install Batch in Both machines. For installing in other machine follow the same instructions. Batch service should be installed in both machines but it should be started in only one machine. Start SI and Batch service in alternative machines.
2. Run Gmt.txt in Database by connecting to Bancsdb (sid:orcl) before starting the scheduler service.
3. Start the service by using service account provided.

1.19Incremental Installer setup for Cluster Environment

The delivered ZIP file which has incremental code should be extracted to E:\BancsInstaller folder of weblogic server where admin server is running(For Preprod:UKSHWSOWB01A)

Prerequisite:

This incremental setup should only be done when once full installation is completed and AutoInstall.xml is generated.
Notes:
1. Without AutoInstall.xml this incremental installation should not be done. Make sure that AutoInstall.xml is at path E:\BancsInstaller\Bin
2. All services should be up in both weblogic machines.

Steps for incremental installation:

1. Navigate to <installer_home>/bin on command prompt and run the following command

Java –Xmx1024m –jar bancs_cluster_inc.jar AutoInstall.xml

Note: If this activity is taking more than 30 mins login into weblogic console and click on activate changes.

2. Stop the services in following order.
   Machine1:
   Bancs_AdminService
   Bancs_NodeManager

   Note: When we stop Admin Service from services it will prompt for restart of intranet and extranet
   Proceed with that.

   Machine2:
   Bancs_NodeManager
   Bancs_IntranetService

Bancs_ExtranetService

3. Start the service in following order.
   Machine1:
   Bancs_AdminService
   Bancs_NodeManager
   Machine2:
   Bancs_NodeManager

4. Run deploy.bat at path E:\BancsInstaller\Domain in Machine1 it will deploy both application (Intranet and extranet).

5. Start the service in following order.
   Machine1:
   Bancs_IntranetService
   Bancs_ExtranetService

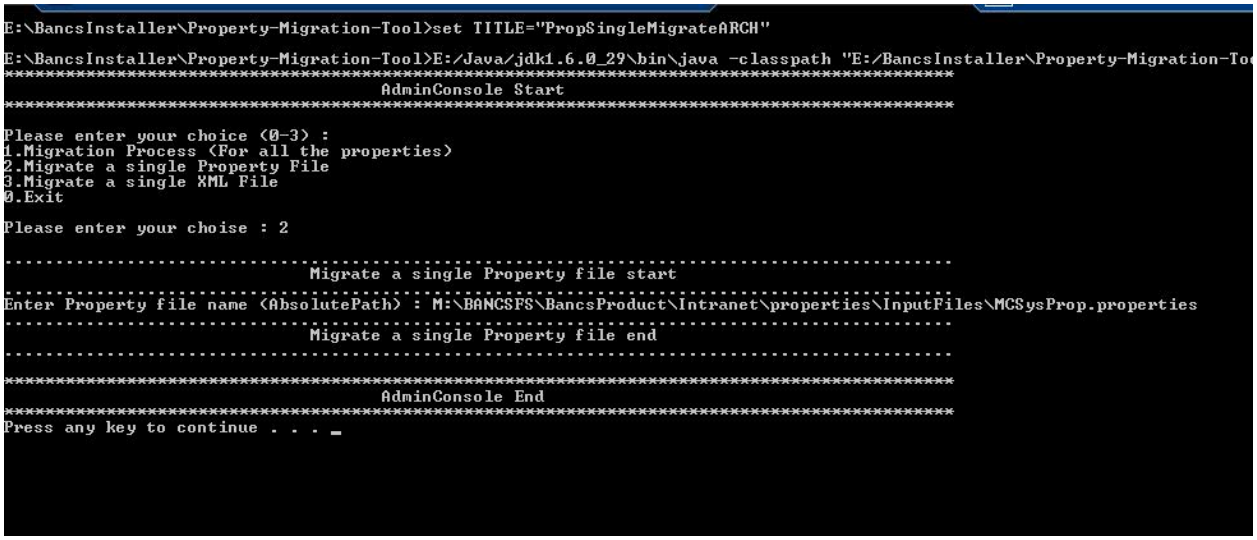
   Machine2:
   Bancs_IntranetService
   Bancs_ExtranetService

Enabling SSO & SNR Changes:

1. Do the changes according to section 1.20 under heading "Files to be Changed for SSO (SingleSignOn For Intranet)" & "Files to be Changed for S&R(Security & Roles For Extranet)"

   Note: Files to be Changed for SSO (SingleSignOn For Intranet) & Step2 should be done in environments where SSO is to be enabled.
   Files to be Changed for S&R (Security & Roles For Extranet) & Step3 should be done in environments where S&R is to be enabled.

2. Go to path E:\BancsInstaller\Property-Migration-Tool and double click on "main_Intranet.bat"
   It will prompt for enter your choise:
   2
   It will prompt for enter property file name:
   M:\BaNCSFS\BancsProduct\Intranet\properties\InputFiles\MCSysProp.properties



3. Go to path E:\BancsInstaller\Property-Migration-Tool and double click on "main_Extranet.bat"
   It will prompt for enter your choise:
   2
   It will prompt for enter property file name:
   M:\BaNCSFS\BancsProduct\Extranet\properties\InputFiles\MCSysProp.properties

4. Go to path M:\BaNCSFS\BancsProduct\Intranet\properties\InputFiles\
Open file FileDownloadProp.xml, change the value of $SI_dir as \\<SI HOSTNAME>

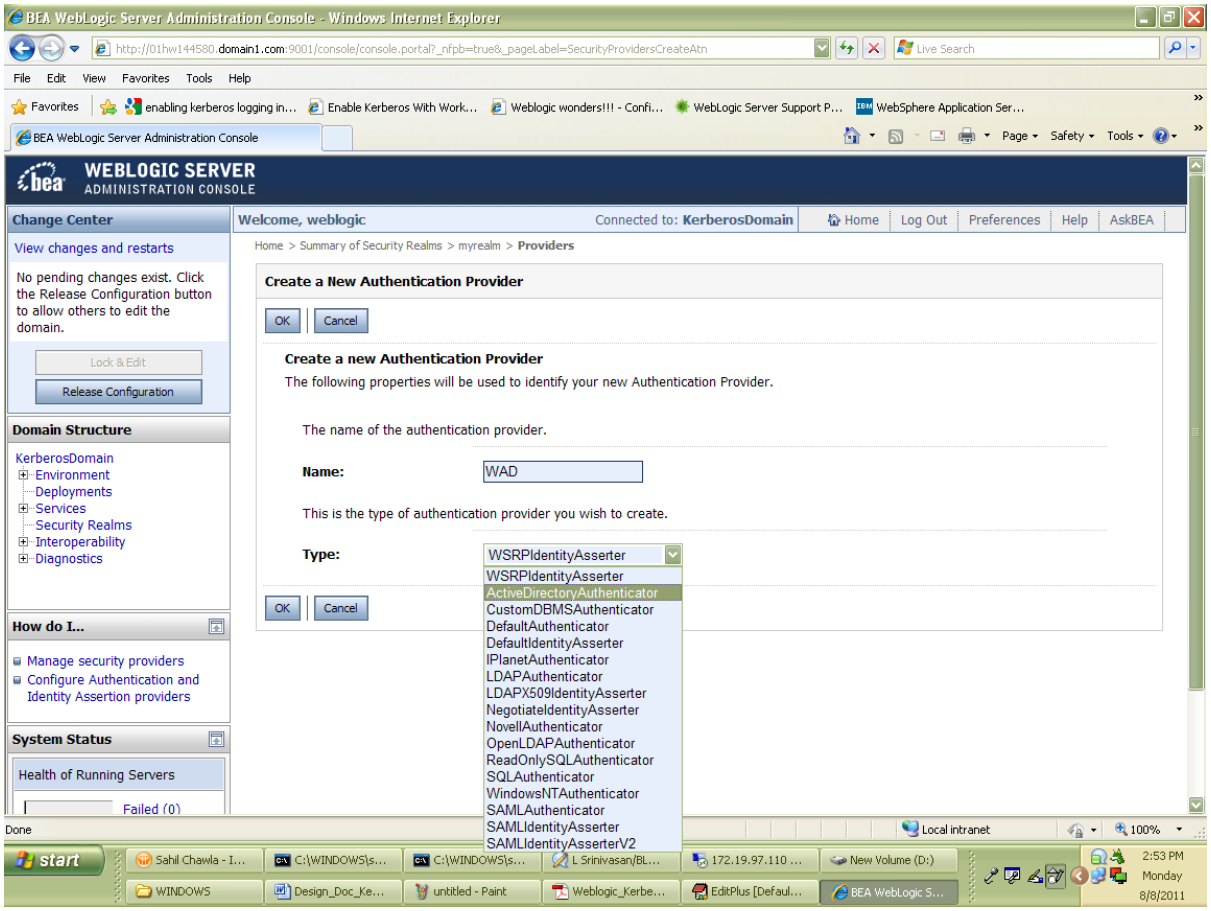
Ex:
<INTERFACE_CHANNEL_CONFIG>
<INTERFACES TYPE="LOCAL_DOWNLOAD">BLOOMBERG,NESIFXI,NESISECI,XCPTSIFNDPRCI,PCTRLSIRBTPYMTI,RPASILUTOTI,RPASISL3I,RPASIUNTPOSI,HSBCSICCCHRGI,BLMSICRTI,BASISECRECONO,XCPTSIMBI,XCPTCNTRCTI,IDSSIINSI,BACSDC,CPSCSIINFRCI,CPSCSIPNDNGI</INTERFACES>
<LOCAL_DIRECTORY>\\UKWKWSBBS04B</LOCAL_DIRECTORY>
</INTERFACE_CHANNEL_CONFIG>
And migrate this property file to DB as xml change.

5. Go to SI machine where SI is installed. And share the data folder in below location E:\BancsProduct\SI\data

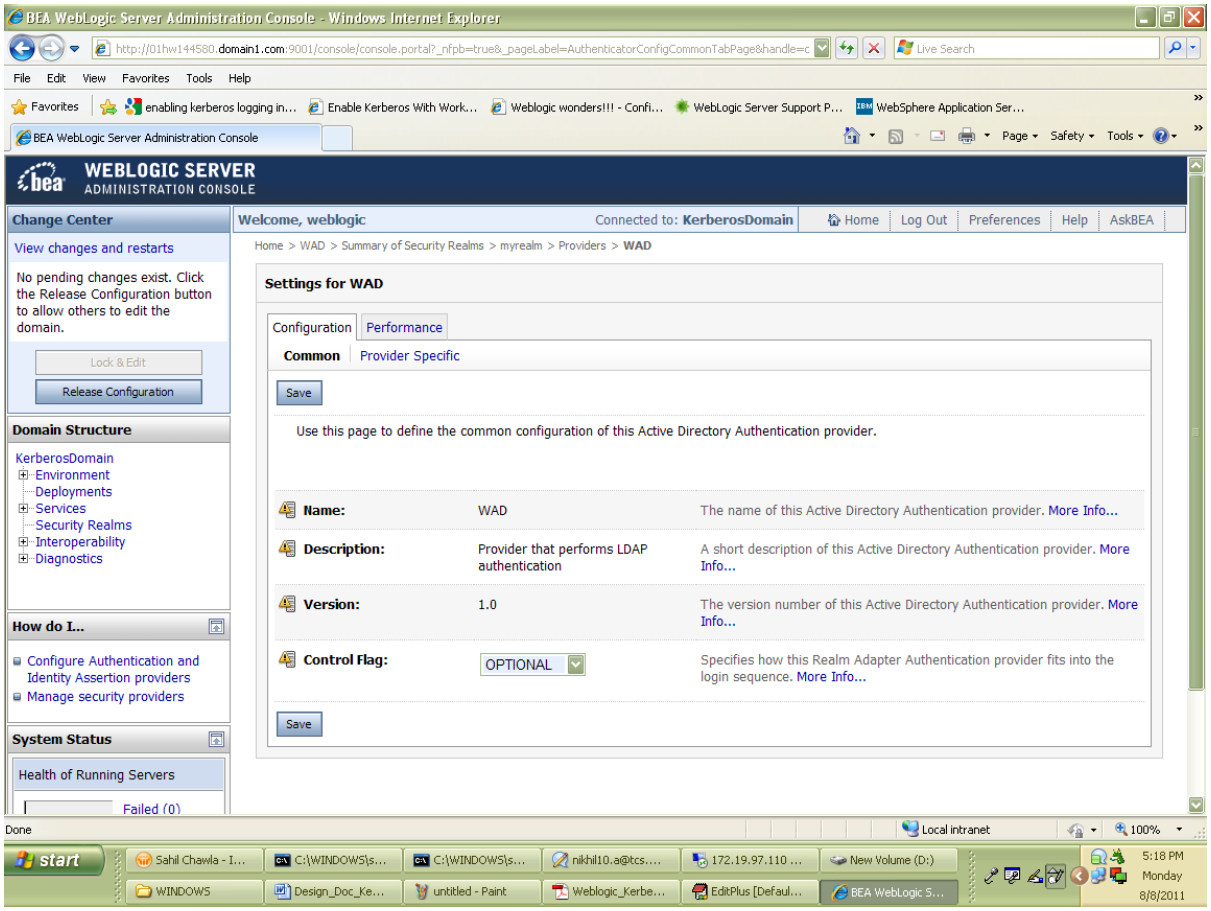
1.20Enabling SSO and S&R

Configuring the Microsoft Active Directory as the weblogic Application Server user repository:

1). Go to the weblogic admin console
(For UAT: http://ukshwtowb02:8001/console)
2) Go to **Security Realms** which will be in lefthand side menu once logged into Console
Click on myrealm.
Click on Providers tab.
Click on new button.
3) Give any name (eg: WAD) and select the type as **ActiveDirectoryAuthenticator.** Select OK and activate the configuration.

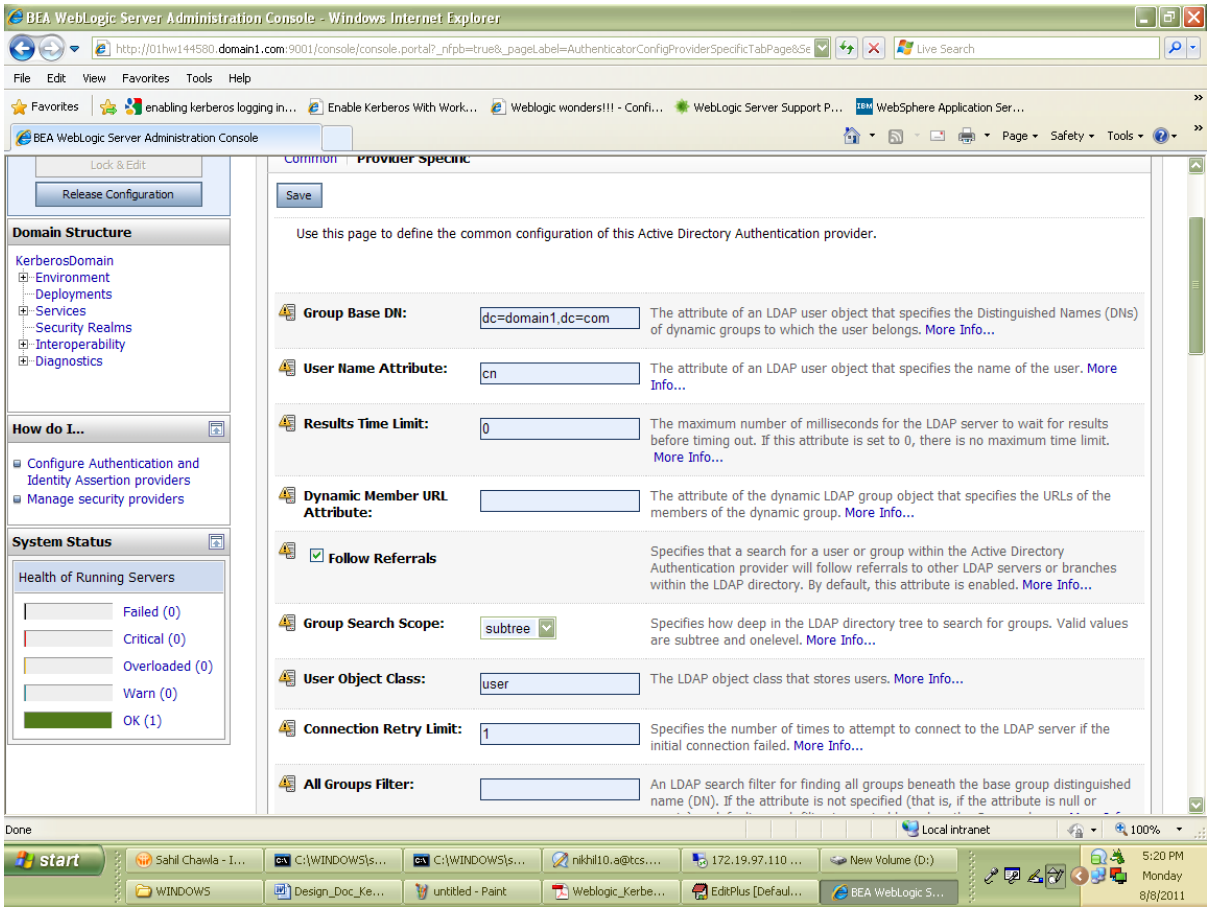


4). On the Home > Summary of Security Realms > myrealm > Providers screen click on “WAD”.



Keep the control Flag as optional and click on the **Provider Specific link.**

5). On clicking the Provider Specific link the following screen appears –



Only the attributed specified below need to configured , leave the rest of the fields with the default values.

Host: 10.43.64.47 (Active directory ip for Skandia)
Port: 389
Principal:WLS@skandia.co.uk
Credential: Qwer$234

User Base DN: dc=skandia,dc=co,dc=uk
User From Name Filter: (&(sAMAccountName=%u)(objectclass=user))
User Search Scope: subtree
User Name Attribute:sAMAccountName
User Object Class: user

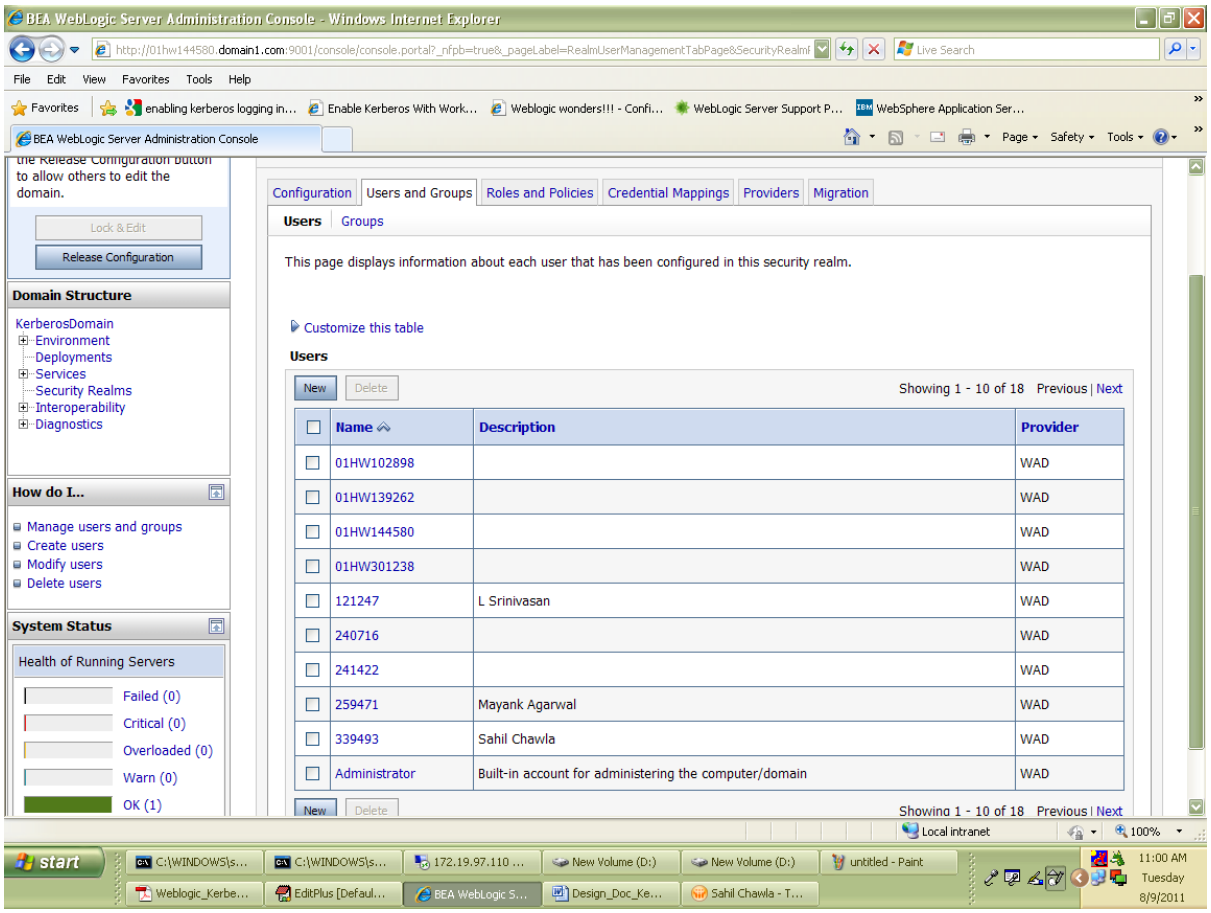
Group Base DN: dc=skandia,dc=co,dc=uk
Connection Pool Size: 600
Cache Size: 3200
Cache TTL: 6000

Click Save and activate the configuration. Active Directory will be successfully configured after completing these steps.

TO verify the successful integration of Active Directory go to the following path –

Home > Summary of Security Realms > myrealm > Users and Groups

The users in the active directory can be viewed in weblogic with the provider as the Active Directory Authenticator (WAD in our case).

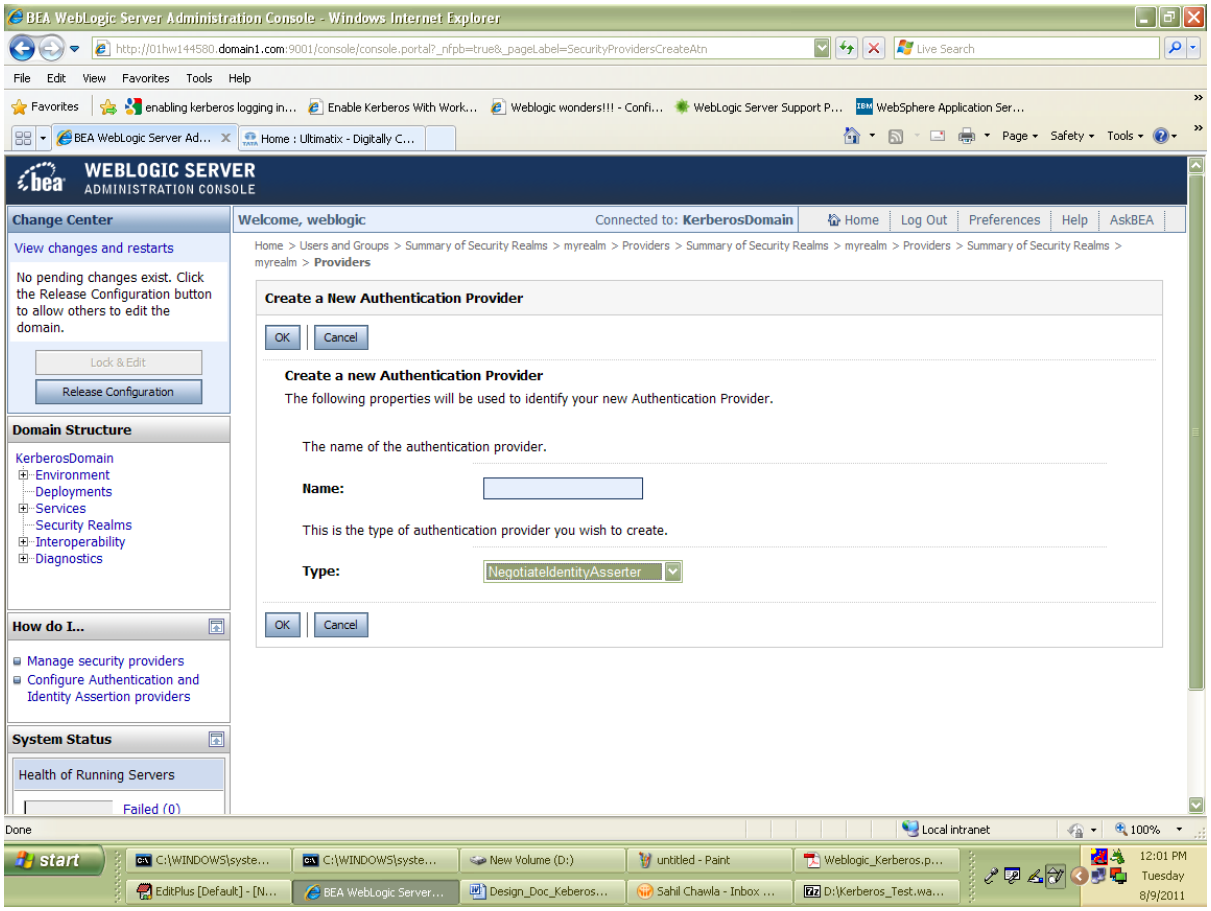


Configuring JAAS to Negotiate with SPNEGO -

Next a SPNEGO authenticator is to be configured to intercept the requests and negotiate accordingly Navigate to

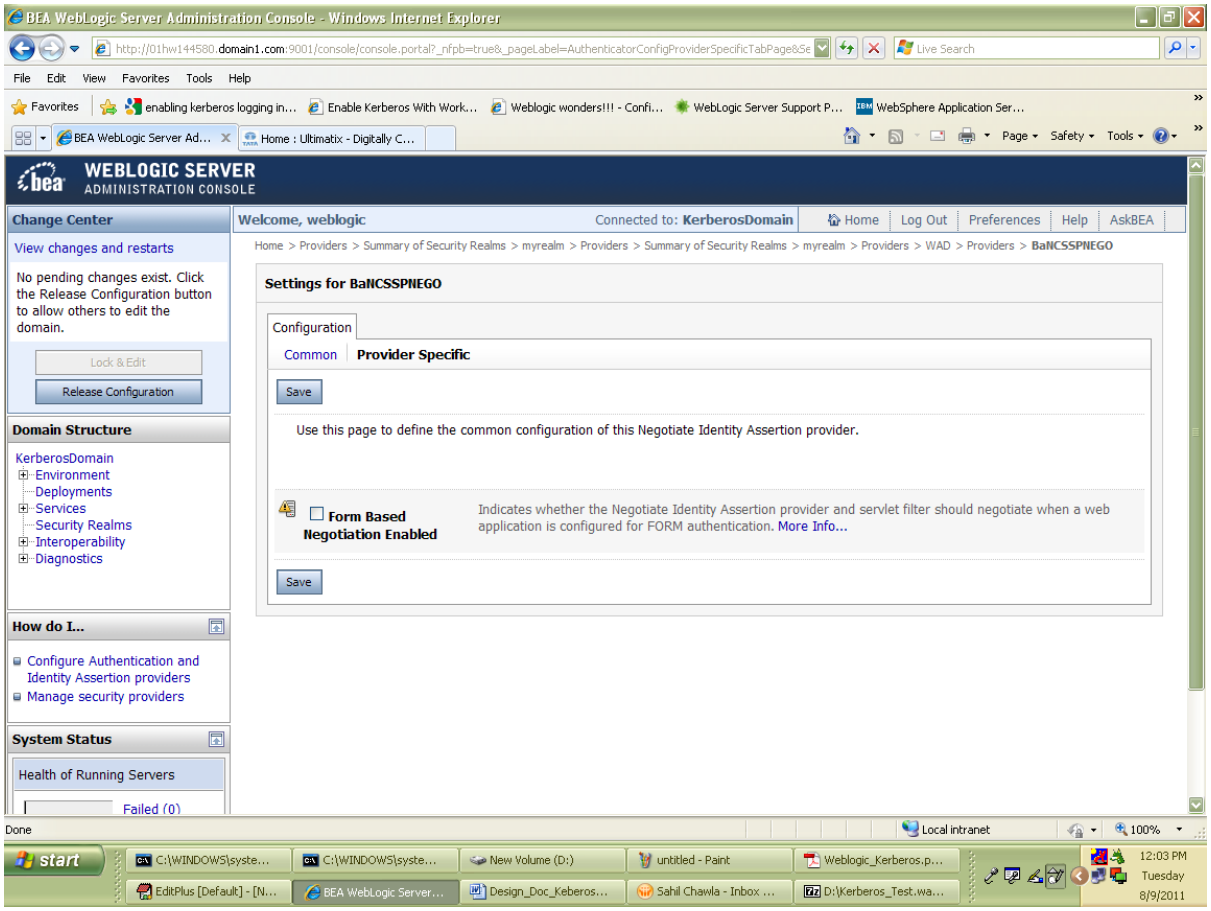
Security Realms → my realm (or any realm configured) → Providers → New

Specify any name (BancsSpenago) and select **NegotiateIdentityAsserter** from the type dropdown .



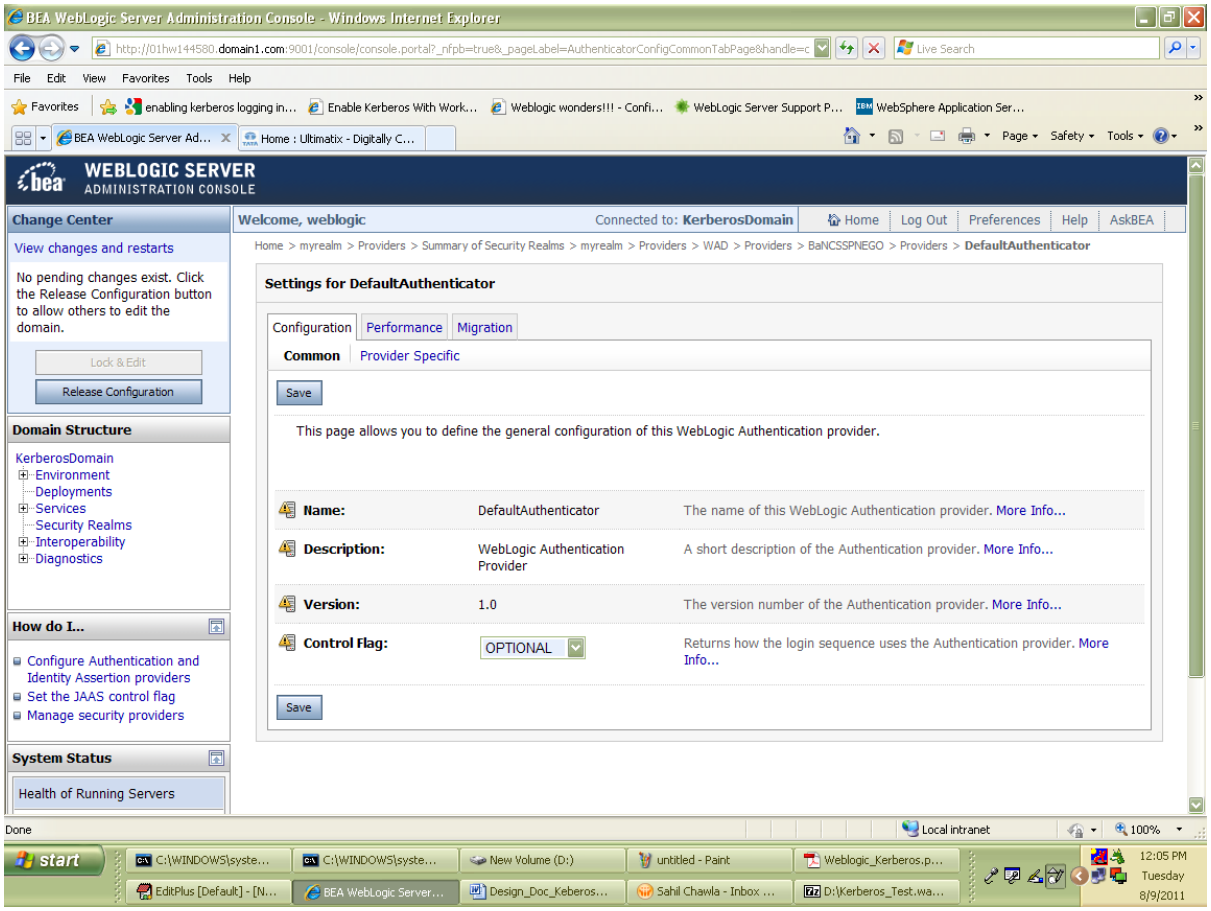
Click Save and activate the configuration .

On the provider page click on the NegotiaiteIdentityAsserter authenticator configured and navigate to provider specific –



Make sure the **Form Based Negotiate Enabled** is left unchecked.

Navigate back to the provider specific tab and click on the DefaultAuthenticator



Make sure the Control Flag is set to optional .

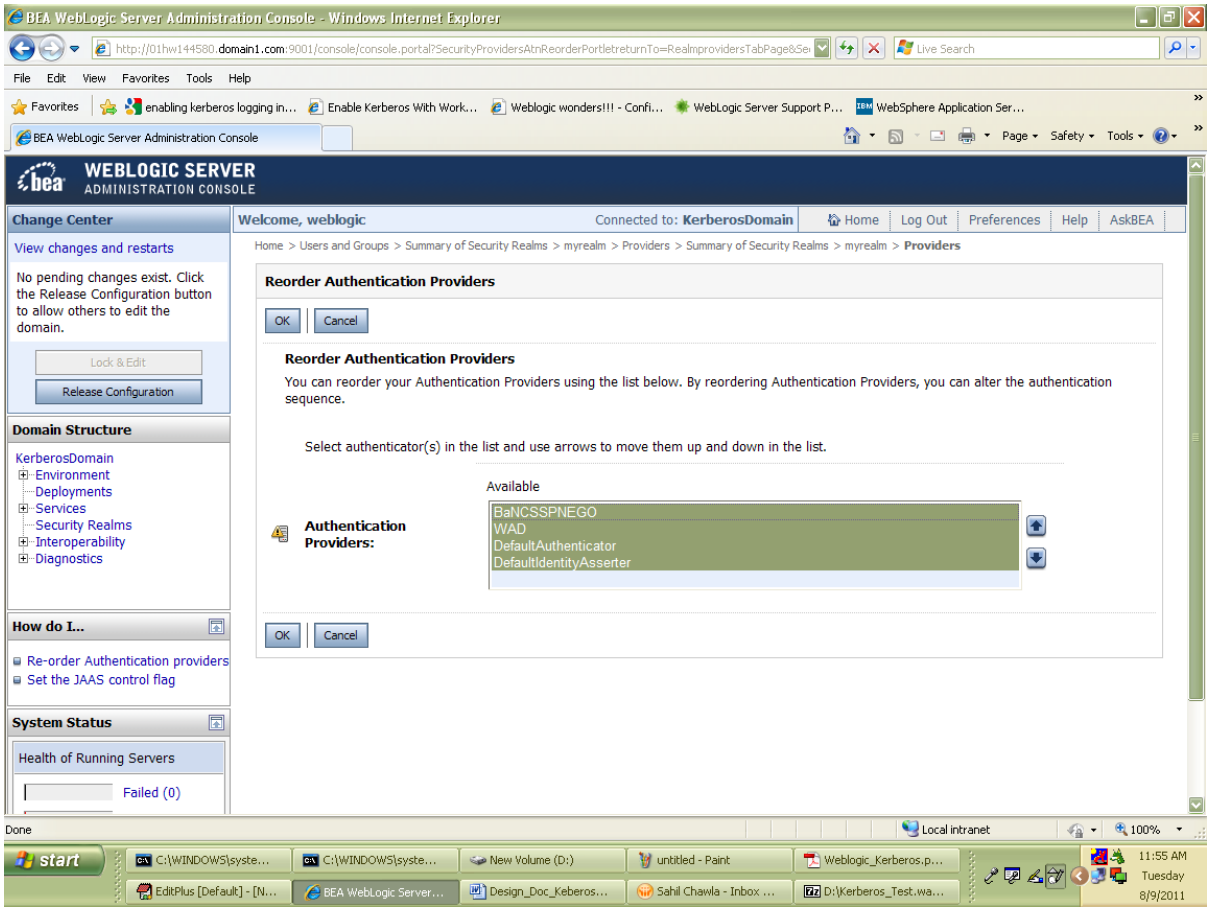
Defining the ordering of Authentication -

Navigate to –
Security Realms → my realm (or any realm configured) → Providers

Click Reorder and keep the order of the authenticators as defined below –

BaNCSSPNEGO
WAD
DefaultAuthenticator
DefaultAsserter .

Screen Shot –



Files to be Changed for SSO(SingleSignOn For Intranet):

BANCSHOME- M:\BaNCSFS\BancsProduct

1.In **MCSysProp.properties** (path:<BANCSHOME>\Intranet\properties\InputFiles) change the following:

singleSignon=yes (change the value of singleSignon=no to singleSignon=yes)
ssologinurl =loginWebSSO
WEBSEAL_SSO_URL=Provide F5 intranet URL
(WEBSEAL_SSO_URL will be empty please add the above URL)

For Prod:
https://intranet-png.skandia.co.uk/Bancs

2.In **jaas.config** (path: <BANCSHOME>\Intranet\properties\InputFiles) change the following.

Change BFSLoginModule to BFSSSOLoginModule

3. In **Web.xml** (Path: <BANCSHOME>\Intranet\Bancs.ear\BancsWeb.war\WEB-INF) add the following part at last.

```
<security-constraint id="SecurityConstraint_1">
  <web-resource-collection id="WebResourceCollection_1">
            <web-resource-name>All resources</web-resource-name>
    <url-pattern>/*</url-pattern>
    <http-method>GET</http-method>
    <http-method>POST</http-method>
  </web-resource-collection>
  <auth-constraint id="AuthConstraint_1">
    <role-name>SSOUser</role-name>
  </auth-constraint>
  <user-data-constraint id="UserDataConstraint_1">
    <transport-guarantee>NONE</transport-guarantee>
  </user-data-constraint>
</security-constraint>
<security-role id="SecurityRole_1">
  <description>All Authenticated Users Role.</description>
  <role-name>SSOUser</role-name>
</security-role>
```

Note: Add the above part before </web-app>.

4. In **weblogic.xml** (Path: <BANCSHOME>\Intranet\Bancs.ear\BancsWeb.war\WEB-INF) add the following part at last.

```
<security-role-assignment>
  <role-name>SSOUser</role-name>
  <principal-name>USR_BaNCS_TEST_USERS</principal-name>
</security-role-assignment>
```

Note: Add the above part before </wls:weblogic-web-app>.
For Production principal should be **USR_BaNCS_LIVE_USERS**

Files to be Changed for S&R(Security & Roles For Extranet):

1.In **MCSysProp.properties** (path: <BANCSHOME>\Extranet\properties\InputFiles)
change the following:
singleSignon=yes (change the value of singleSignon=no to singleSignon=yes)

2.In **jaas.config** (path: <BANCSHOME>\Extranet\properties\InputFiles) change the following.

Change BFSLoginModule to BFSSiteMinderLoginModule

3. In **Web.xml** (Path: <BANCSHOME>\Extranet\Bancs.ear\Bancs.war\WEB-INF) change the following.

From
<welcome-file>Login.jsp</welcome-file>
to
<welcome-file>**LoginSR.jsp**</welcome-file>

4.In **ExtranetRoles.properties** (Path: <BANCSHOME>\Extranet\properties\InputFiles) change the value of following.

Extranet_URL= <logout link>
OAM_URL= <Change password link>

<Change password link>:
UAT:
https://uat-wealthinteractive.skandiainternational.com/ChangePassword/
Production:
https://wealthinteractive.skandiainternational.com/ChangePassword/

<logout link>:
UAT:
https://uat-wealthinteractive.skandiainternational.com/oamsso/logout.jsp?end_url=https://uat-wealthinteractive.skandiainternational.com/UATSecurityAndRoles/SignIn/Signout
Production:
https://wealthinteractive.skandiainternational.com/oamsso/logout.jsp?end_url=https://wealthinteractive.skandiainternational.com/SecurityAndRoles/SignIn/Signout

Restart Adminserver, Intranet, Extranet Service.

1.21 Cluster Installer ontime set up from Arch6.3 to Arch10.2

Prerequisite:-

1) Run **undeploy_Extranet.bat** and **undeploy_Intranet.bat** from the below path in Machine1
   Path = E:\BancsInstaller\Domain

2) Stop the services in following order.
   Machine1:
   Bancs_AdminService
   Bancs_NodeManager

   Note: When we stop Admin Service from services it will prompt for restart of intranet and extranet Proceed with that.

   Machine2:
   Bancs_NodeManager
   Bancs_IntranetService
   Bancs_ExtranetService

3) Activities in **Machine2** :-

   1. Rename the folder **BancsProduct** to **BancsProduct6.3** in **E** drive
   2. Rename the folder **BancsInstaller** to **BancsInstaller6.3** in E drive
   3. Create New folder **BancsProduct** in **E** drive
   4. Create New folders **Bin** and **Logs** in **E:\BancsProduct**
   5. Create New folder **BancsInstaller** in **E** drive
   6. Delete **Skandia_Cluster** weblogic domain in the below path
      E:\Oracle\Middleware\user_projects\domains

      Note:- **Skandia_Cluster** weblogic Domain should be deleted in Machihne2 alone.

4) Activities in **Machine1** :-

1. Rename the folder **BancsProduct** to **BancsProduct6.3** in **E** drive
2. Rename the folder **BancsInstaller** to **BancsInstaller6.3** in **E** drive
3. Create New folder **BancsProduct** in **E** drive
4. Create New folders **Bin** and **Logs** in **E:\BancsProduct**
5. Create New folder **BancsInstaller** in **E** drive
6. Create New folder **Bin** in the path **E:\BancsInstaller**

7. Copy **Autoinstall.xml** file from E**:\BancsInstaller6.3\Bin to E:\BancsInstaller\Bin**
8. M:\BaNCSFS\BancsProduct rename to M:\BaNCSFS\BancsProduct6.3
9. Create New folder **BancsProduct** in M:\BaNCSFS
10. Delete **Skandia_Cluster.jar** from M:\BaNCSFS\BancsTemplate

Steps for One time installation:

1. The delivered ZIP file which has incremental code should be extracted to E:\BancsInstaller folder of weblogic server where admin server is running(For Preprod:UKSHWSOWB01A)
2. Navigate to <installer_home>/bin on command prompt and run the following command

Java –Xmx1024m –jar bancs_cluster_onetime.jar AutoInstall.xml

3. Admin server will be pop out during the process and prompt for weblogic user name and password please give following

   Weblogic username=weblogic
   Weblogic password=welcome1

Post Installation:-

1. Copy the folder Bea_serviceM1 and all scripts from <sharedpath>/BancsProduct\Bin\Machine1 (for preprod -M:\BaNCSFS\BancsProduct\Bin\Machine1) to E:\BancsProduct\bin in machine1.

2.Login to the other machine and create a BancsInstaller folder in second machine(UKSHWSOWB02B for preprod) and copy the Domain folder inside this folder from E:/BancsInstaller in first machine.

3.Copy the folder Bea_serviceM2 and all scripts from <sharedpath>/BancsProduct\Bin\Machine2 (for preprod - M:\BaNCSFS\BancsProduct\Bin\Machine2) to E:\BancsProduct\bin in machine2.

4.Go to BancsInstaller/Domain and run unpack.bat,it will create the domain in machine 2.

5.Once unpack is successful, run creatingNodeMgrCertificate.bat at path E:\BancsInstaller\Domain, it will create a test certificate at path E:\BancsInstaller\Domain.

6.Once creatingNodeMgrCertificate is successful, run enrollnodemanager.bat at path E:\BancsInstaller\Domain, it will start the node manager in background and enroll it with the admin server.

7.Once enrolling of node manager is successful, run StartIntranetM2.bat,StartExtranetM2.bat at path E:\BancsProduct\bin it will start other two server which is targeted on machine 2.
Once both servers on Machine 2 is up ,run deploy.bat at path E:\BancsInstaller\Domain, it will deploy both application(Intranet and extranet)

8. Change the alfresco URL in file ExtranetRoles.properties at path
M:\BaNCSFS\BancsProduct\Extranet\properties\InputFiles.
Give Alfresco URL corresponding to environment.
Eg: For Preprod
WCMCONTENTURL= https://perf-wialfresco.oldmutualinternational.com

9. Copy wsdlmetadata.xml & all wsdl files from
M:\BaNCSFS\BancsProduct_6.3\Extranet\properties\XMLFiles to
M:\BaNCSFS\BancsProduct\Extranet\properties\XMLFiles

10. Copy wsdlmetadata.xml & all wsdl files from
M:\BaNCSFS\BancsProduct_6.3\Intranet\properties\XMLFiles to
M:\BaNCSFS\BancsProduct\Intranet\properties\XMLFiles

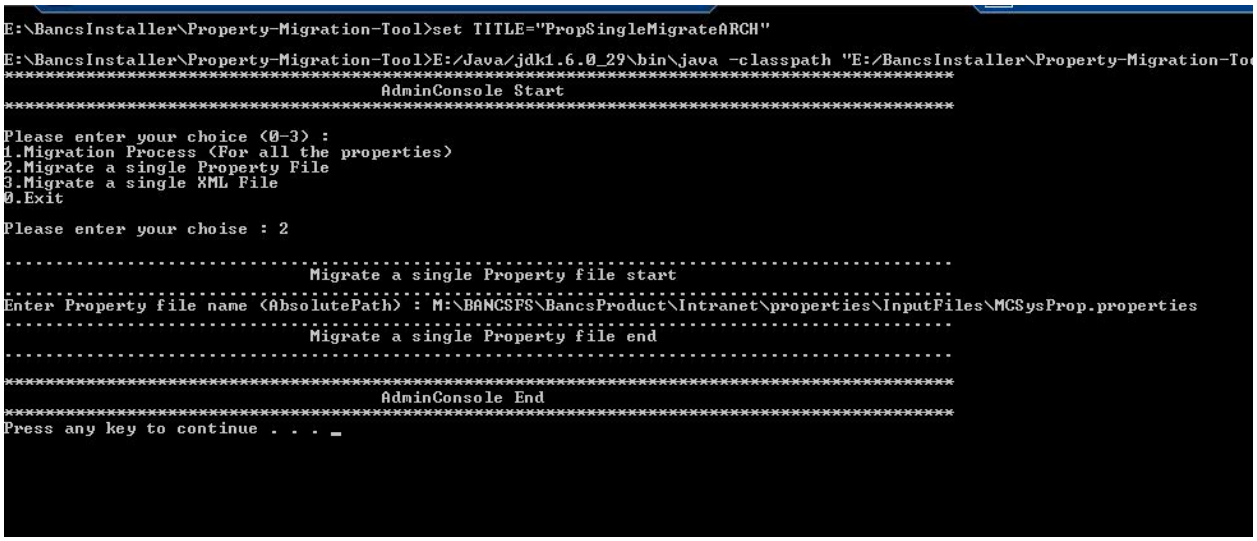
11. Please place all .wsdl and Wsdlmetadata.xml files from
M:\BaNCSFS\BancsProduct\Extranet\properties\XMLFiles to
E:\BancsProduct\SpringBatch\properties\XMLFiles.

Enabling SSO & SNR Changes:

1. Do the changes according to section 1.20 under heading "Files to be Changed for SSO (SingleSignOn For Intranet)" & "Files to be Changed for S&R(Security & Roles For Extranet)"

Note: Files to be Changed for SSO (SingleSignOn For Intranet) & Step2 should be done in environments where SSO is to be enabled.
Files to be Changed for S&R (Security & Roles For Extranet) & Step3 should be done in environments where S&R is to be enabled.

2. Go to path E:\BancsInstaller\Property-Migration-Tool and double click on "main_Intranet.bat"
It will prompt for enter your choise:
2
It will prompt for enter property file name:
M:\BaNCSFS\BancsProduct\Intranet\properties\InputFiles\MCSysProp.properties



3. Go to path E:\BancsInstaller\Property-Migration-Tool and double click on "main_Extranet.bat"
It will prompt for enter your choise:
2
It will prompt for enter property file name:
M:\BaNCSFS\BancsProduct\Extranet\properties\InputFiles\MCSysProp.properties

Uninstalling Services :

1.In machine1 right click on command prompt in start menu and open it by clicking run as administrater option. Go to path **E:\BancsProduct\bin\Bea_serviceM1.**
2.Run the following commands
removeIntranetService.cmd
removeExtranetService.cmd
uninstallNodeMgrSvc.cmd
removeAdminService.cmd

3. In machine2 right click on command prompt in start menu and open it by clicking run as administrater option. Go to path E:\BancsProduct\bin\Bea_serviceM2.

4. Run the following commands.
removeExtranetService.cmd
removeIntranetService.cmd
uninstallNodeMgrSvc.cmd

Installing as Service:

1.In machine1 right click on command prompt in start menu and open it by clicking run as administrater option. Go to path E:\BancsProduct\bin\Bea_serviceM1.
2.Run the following commands
startAdminService.cmd
installNodeMgrSvc.cmd
startIntranetService.cmd
startExtranetService.cmd

These commands will install the following services
Bancs_AdminService,Bancs_NodeManager,Bancs_IntranetService,Bancs_ExtranetService.

3. In machine2 right click on command prompt in start menu and open it by clicking run as administrater option. Go to path E:\BancsProduct\bin\Bea_serviceM2.
4.Run the following commands.
installNodeMgrSvc.cmd
startIntranetService.cmd
startExtranetService.cmd

These commands will install the following services
Bancs_NodeManager,Bancs_IntranetService,Bancs_ExtranetService.

5.Stop all the servers and start the services in following order.
Machine1:
Bancs_AdminService

Bancs_NodeManager
Bancs_IntranetService
Bancs_ExtranetService
Machine2:
Bancs_NodeManager
Bancs_IntranetService
Bancs_ExtranetService

Notes:

Please give full access to bancsproduct folder in shared drive for the service account which is used to start services and delete the logs created at E:\Bancsproduct\logs before starting the services.

Please stop the nodemanager in both machines by going to task manager in processes tab right click on javaw process and select end process tree option as nodemanager will be running in background.

1.22 RollBack Mechanism:

PreRequiste:
Database export is taken before applying each delivery.

Instructions For DB rollback:

Follow the instructions in section 1.13 under "**Refreshing with DBDump"** with the dumpfile which was taken before applying the delivery.

Instructions For Application rollback:

1.Delete the following folders at path E:\BancsInstaller
Intranet
Extranet
Batch

2.Delete Intranet, Extranet, Batch folders under <BANCSHOME>
BANCSHOME- M:\BaNCSFS\BancsProduct

3. Incremental Installation of code should be done with previous installer delivered according to the instructions in
Section 1.19 – For Clustered Environment.
Section 1.11 – For Non Clustered Environment.

4.For Clustered Environment the incremental SI and Batch(should be done in two machines where SI and Batch was Installed) the following folders has to be deleted at path E:\BancsProduct
Batch
SI – Move installer.properties from E:\BancsProduct\SI\PropFile to E:\BancsInstaller\Bin before deleting.

Incremental Installation should done with previous installer according to the instructions in
Section 1.16 under Incremental Batch Installation - For Batch
Section 1.12 under "Incremental Installation SI:"