Configure Single Sign on Between Domino and WPS

What we are doing here?

Ok – now we have the WPS server configured and running with Domino as the LDAP directory. Now we are going to configure Single Sign on between Domino and WPS.

Why we are doing it?

Enabling this will allow users to log into the portal, and then access their email, without re-signing in. Also, it will allow for online awareness to operate using the Sametime engine.

How do we do it?

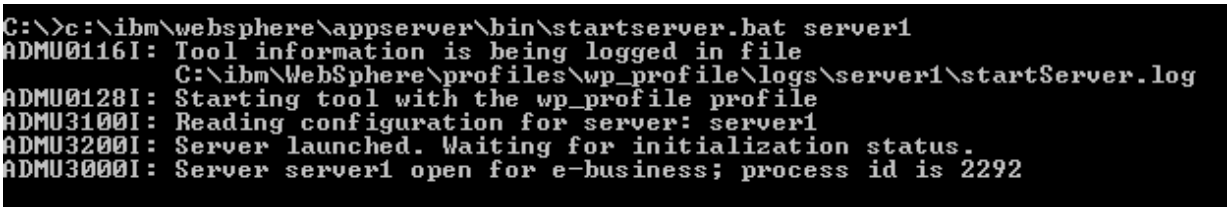
There are a number of steps to be completed. We have to create a common token between Domino and Websphere for SSO. We also have to configure some WPS properties and tell WPS about the domino server's details, so it can "find" the correct mail files for users.

Create the LTPA token in Websphere

First, **ensure the domino server is running**. Then, **open a dos prompt** and **enter in the following command** to start the Websphere Application Server.

"**c:\ibm\websphere\appserver\bin\startserver.bat server1"**

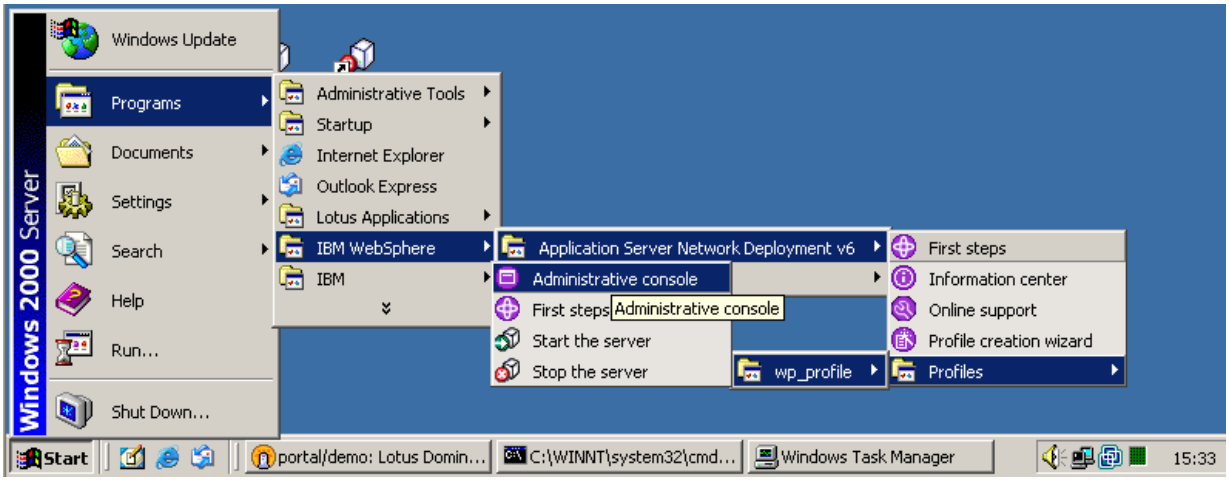
When it is up and running, it will look like below.



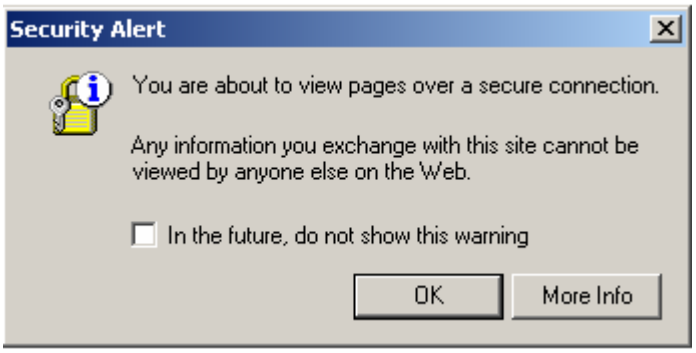
You will remember earlier that Websphere Portal Server runs on top of Websphere Application Server. We are going into Websphere Application Server administration now to create the LTPA token. From the Windows start bar, **click on the following**:

START/PROGRAMS/IBM WEBSPHERE/APPLICATION SERVER NETWORK DEPLOYMENT V6/PROFILES/WP_PROFILE/ADMINISTRATIVE CONSOLE

(shown below)

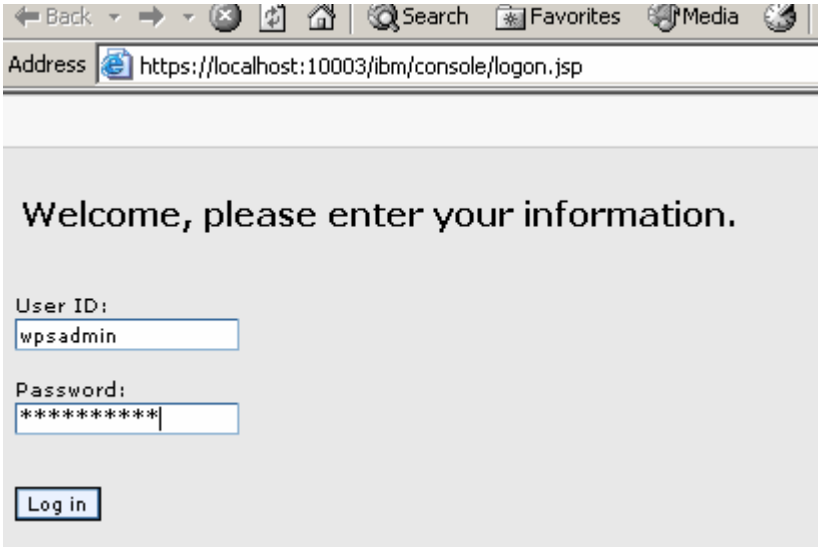

Windows Update
Programs
Documents
Settings
Search
Help
Run...
Shut Down...
Windows 2000 Server
Administrative Tools
Startup
Internet Explorer
Outlook Express
Lotus Applications
IBM WebSphere
IBM
Application Server Network Deployment v6
Administrative console
First steps
Start the server
Stop the server
Administrative console
wp_profile
First steps
Information center
Online support
Profile creation wizard
Profiles
Start
portal/demo: Lotus Domin...
C:\WINNT\system32\cmd...
Windows Task Manager
15:33

You will see the following screen. **Click on OK.**

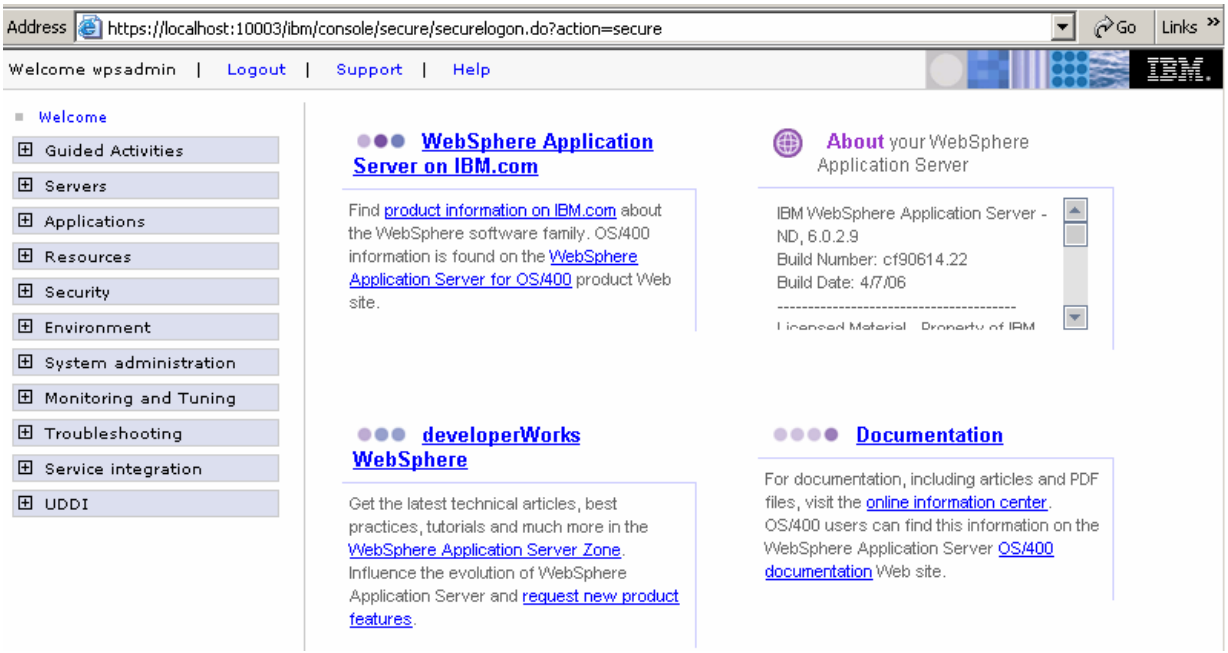


Accept the SSL certificate by **clicking on YES**

The WAS login screen appears as below. **Login as WPSADMIN with the password of lotusnotes**. The click on **LOGIN**



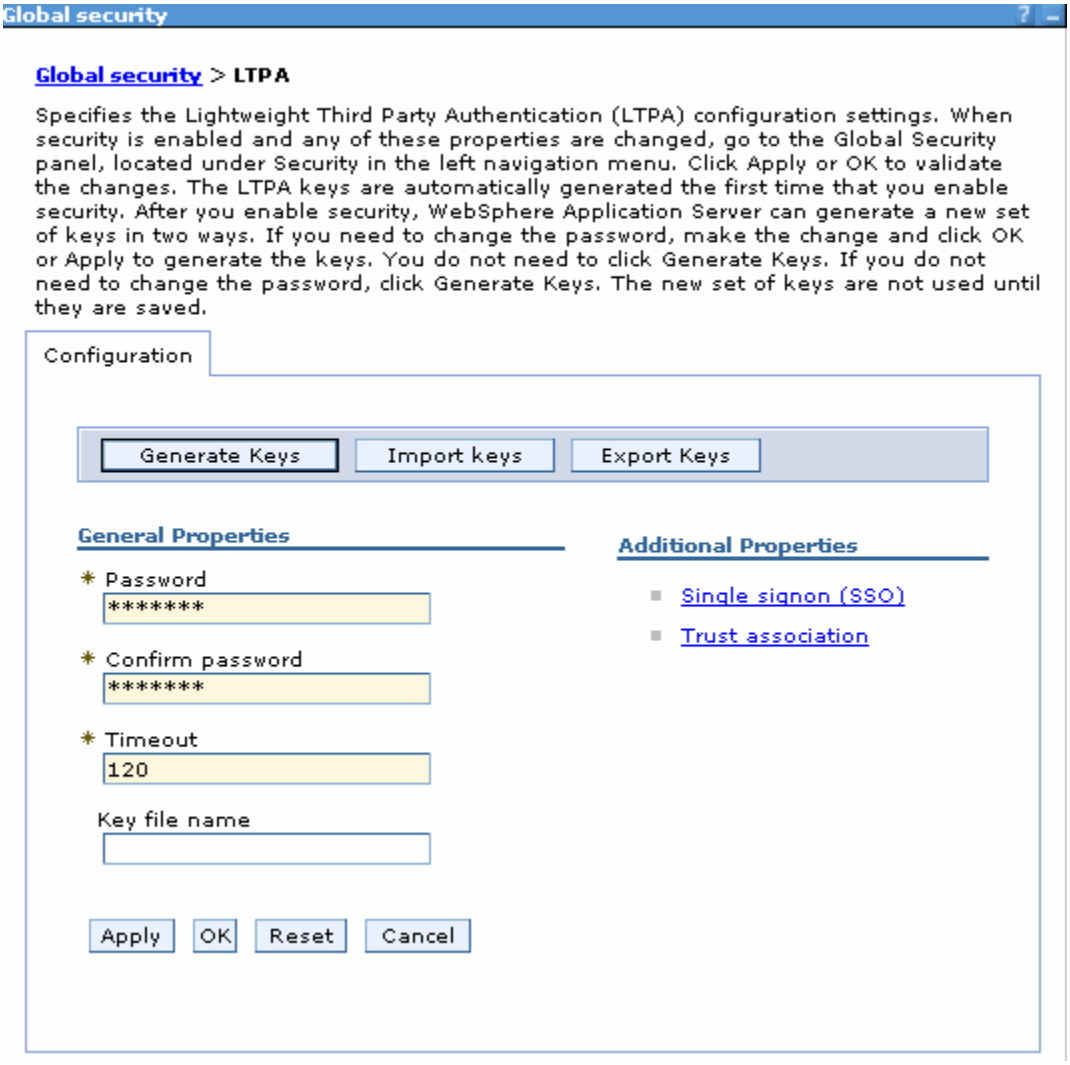
You are now in the WAS administrative console. This is where you will create the LTPA key that will allow for single sign on between Websphere applications and domino.



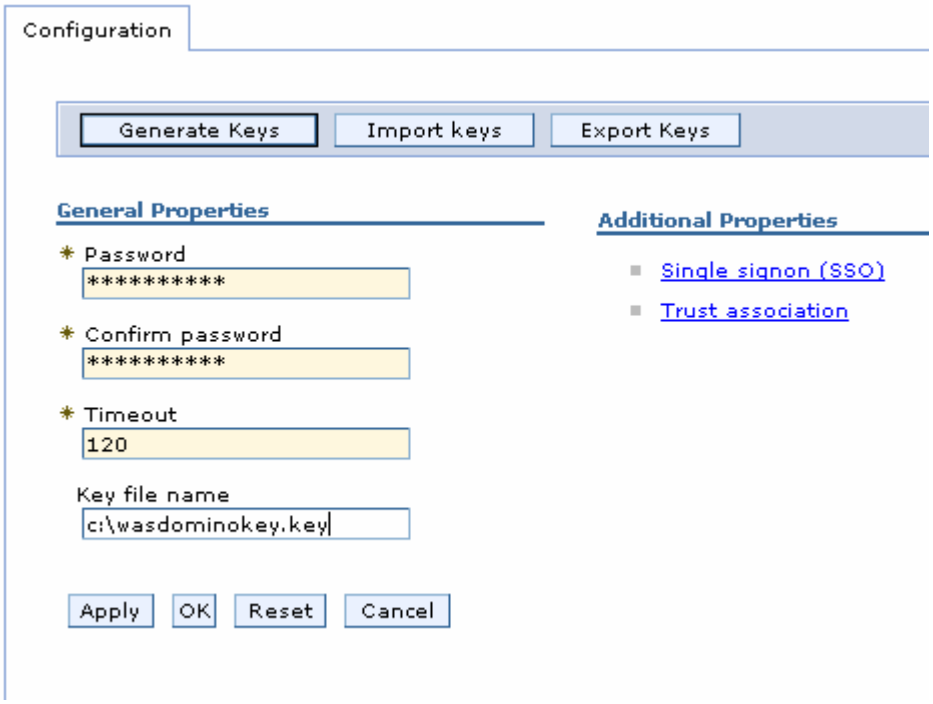
On the left hand side of the screen, **click on SECURITY and GLOBAL SECURITY**.

This brings you to the security configuration area. Now **click on AUTHENTICATION MECHANISISMS AND LTPA** on the right hand side of the screen.

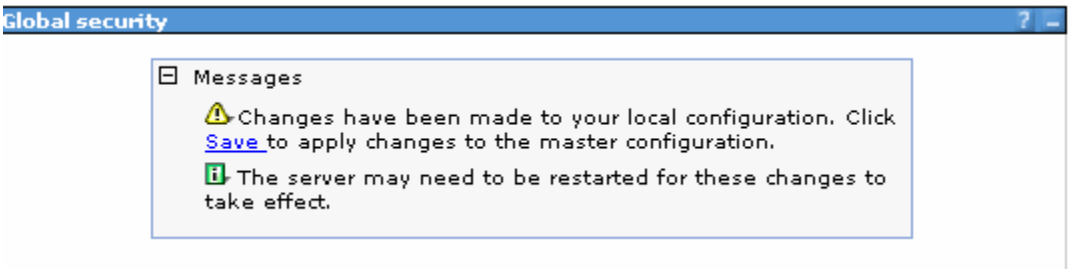
This brings you to where you create the LTPA token.



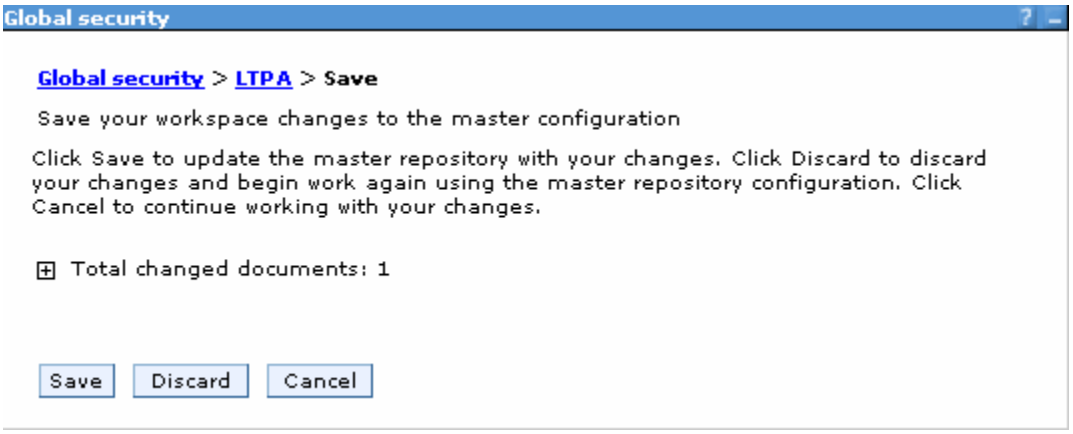
Set the password fields to lotusnotes. Set the KEY FILE NAME to c:\wasdominokey.key.



Click on EXPORT KEYS. This will create the key on the c:\ drive. You will then be asked to save the configuration change you have just made. **Click on SAVE.**



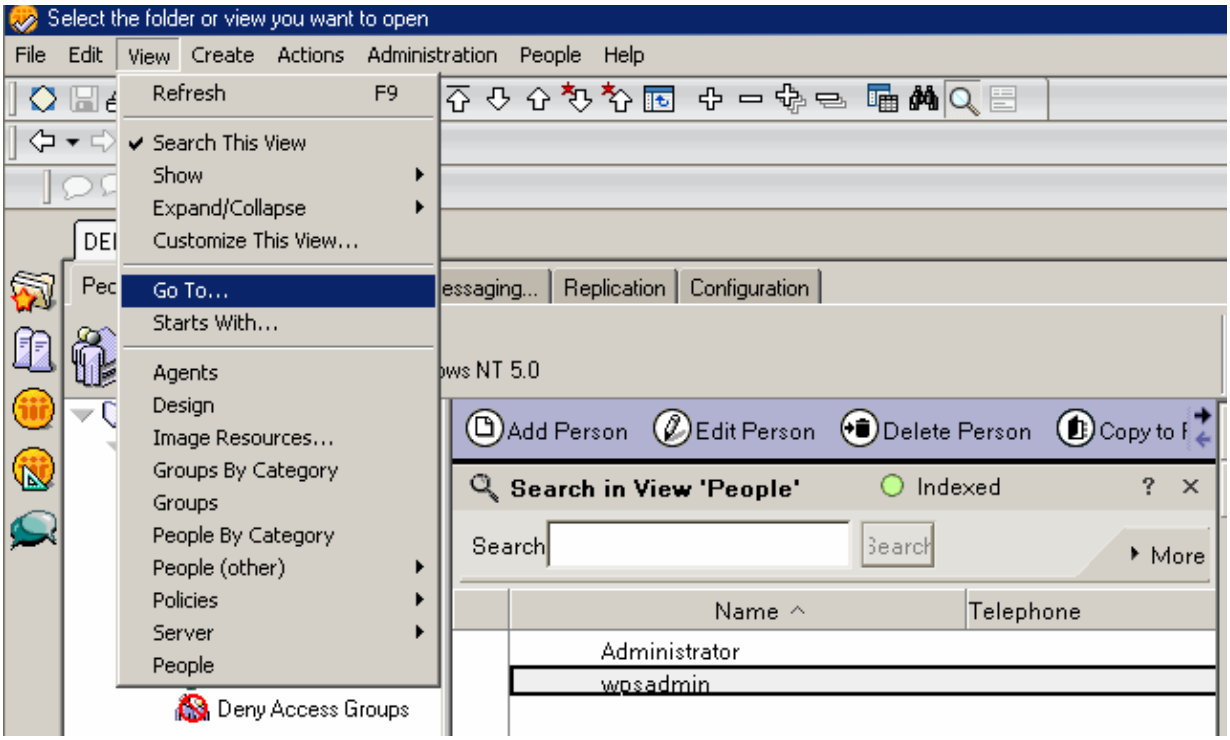
You will then have to confirm. **Click on SAVE again:**



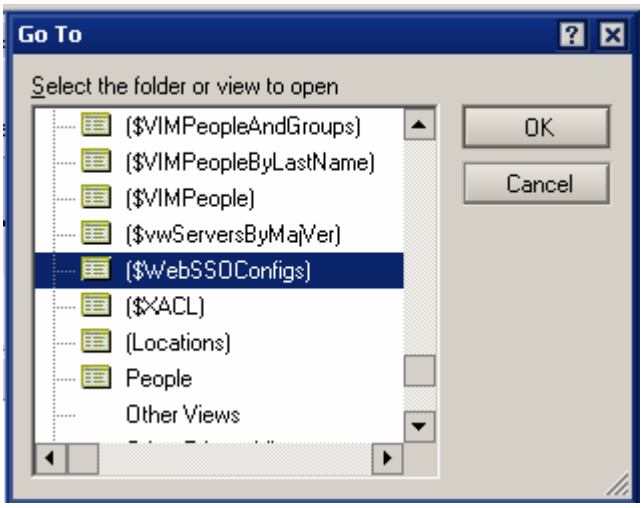
Once that is done, **close the administrative console.**

Import the LTPA key into Domino.

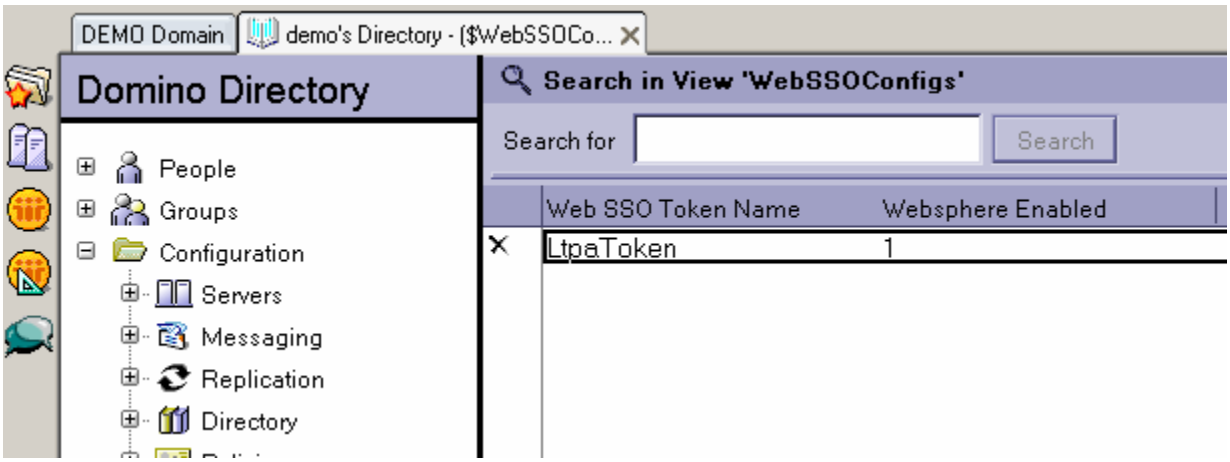
Launch the Notes Administration client. Your domino server should still be running at this point. Navigate to the **PEOPLE view under PEOPLE AND GROUPS tab**. Hold down the **CTRL and SHIFT key** on your keyboard and **click on VIEW and GOTO** on the menu. This will open up the ability to see the hidden views in the Domino Directory.

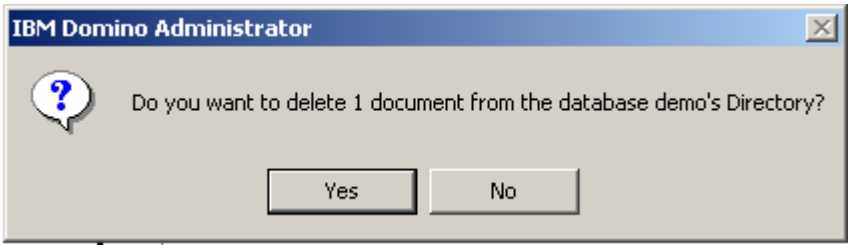


You will see the following screen. **Select the ($WEBSSOCONFIGS) view** and **click on OK.**

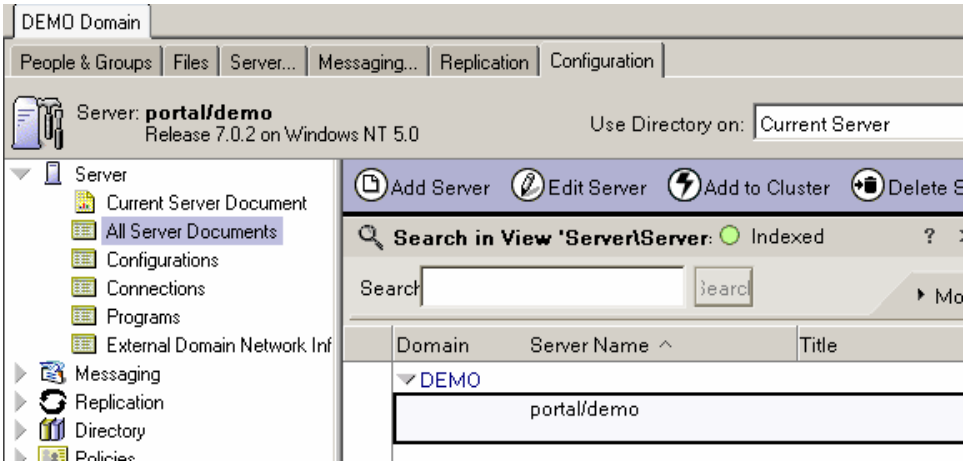


You will see that there is already an LTPA token created for the domain. **Select the document and delete it.** Press the F9 key on your keyboard and **confirm the deletion of the document.** Then **close the VIEW.**

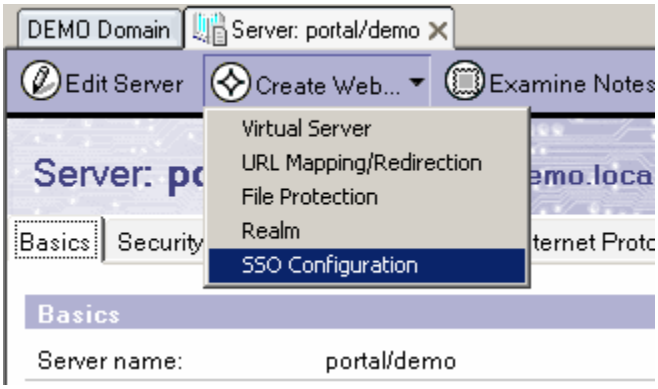




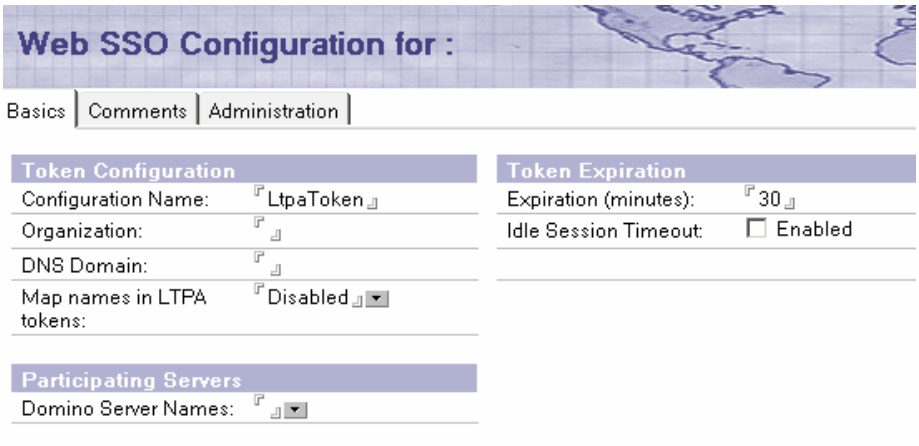
You should now still be in the admin client.. Go to the **CONFIGURATION tab** of the administration client. **Click on the ALL SERVER DOCUMENTS** view.



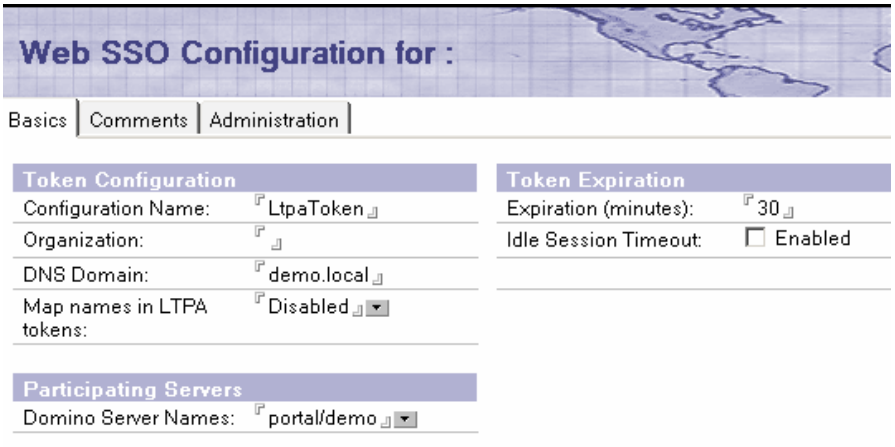
Open the server document. Then, using the action button, **click on CREATE WEB and SSO CONFIGURATION**.



The SSO Configuration screen opens.

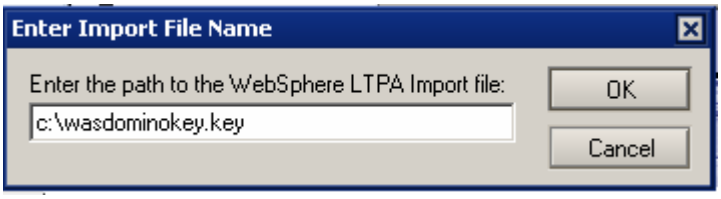


Add **"demo.local" to the DNS domain** field and **select the PORTAL/DEMO server for the DOMINO SERVER NAMES FIELD** (as below).

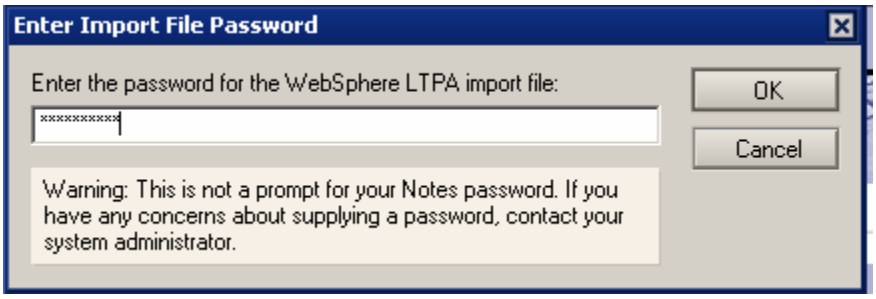

Web SSO Configuration for :
Basics
Comments
Administration
Token Configuration
Configuration Name:
LtpaToken
Organization:
DNS Domain:
demo.local
Map names in LTPA tokens:
Disabled
Participating Servers
Domino Server Names:
portal/demo
Token Expiration
Expiration (minutes):
30
Idle Session Timeout:
Enabled

Now, we need to import the Websphere keys. From the action bar, click on **KEYS, IMPORT WEBSPHERE LTPA KEYS.**

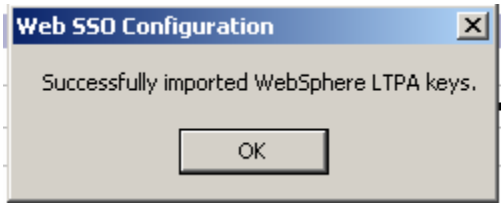
Enter in the path of the LTPA key we created in the earlier step. It is c:\dominowaskey.key. Then **click on OK.**



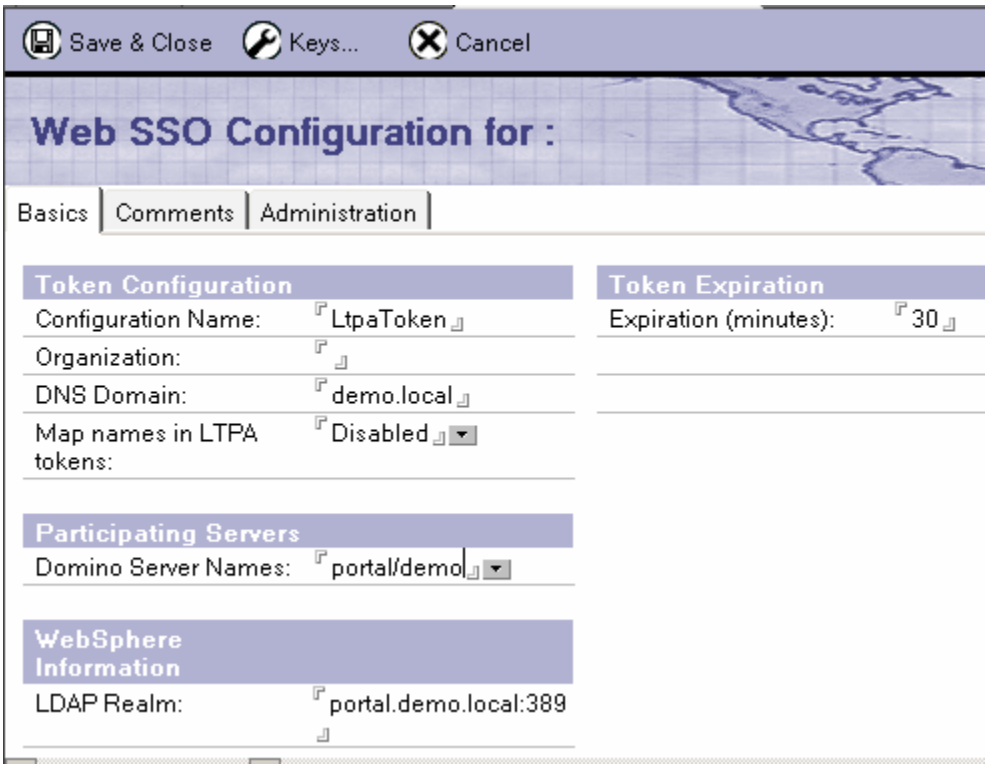
You will be asked to **enter the password for the key**. Enter in **lotusnotes** and **click on OK.**



If domino is happy, you should see the following screen:



Your screen should look like this now:



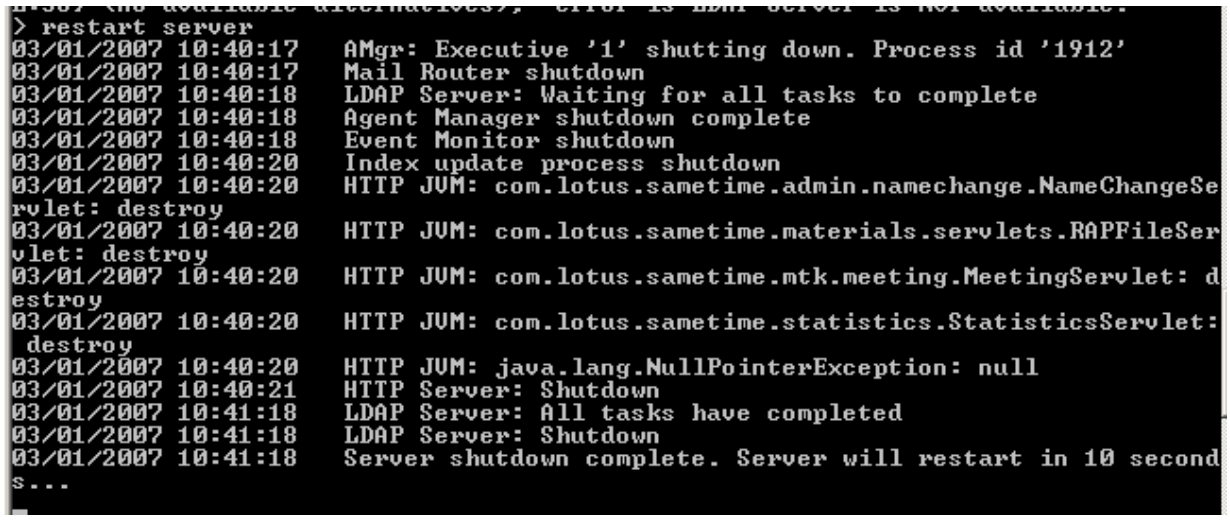
Click on **SAVE and CLOSE** to continue.

Now, **close the Administration client.**

Open a DOS prompt and type in the following: "**c:\IBM\Websphere\Appserver\bin\StopServer.bat server1 –username wpsadmin –password lotusnotes**" (note you are adding in the user name and password as WAS and WPS requires you to give an administrator name and password to stop the server.

This will stop the server1 instance you needed to configure the LTPA token in WAS. The server should stop as follows.

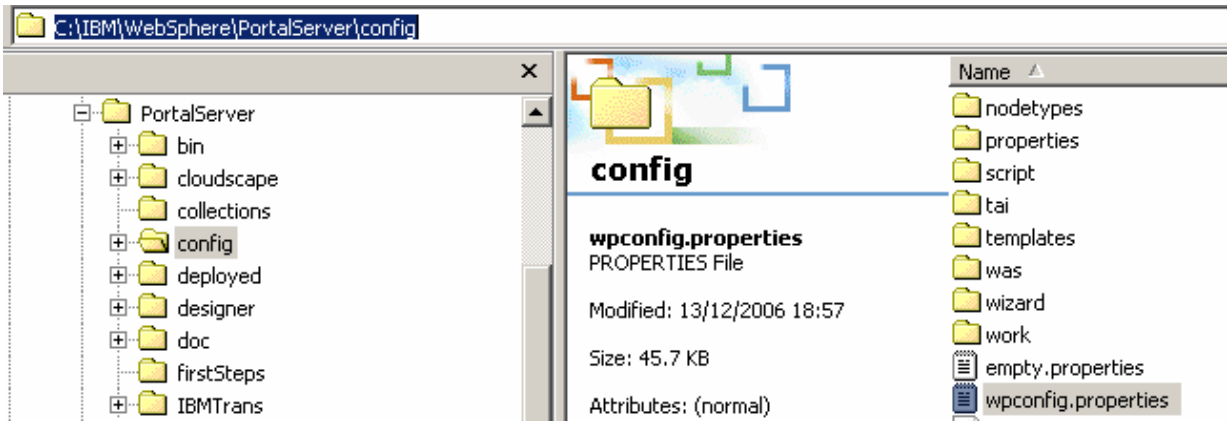
You must **restart the Domino server now**, by typing in **RESTART SERVER** at the console. You will see the following:



Configure Domino and Sametime parameters for WPS

One of the final steps is to "tell" WPS about specific domino server and sametime configurations related to the setup. To do this, we must modify the WPCONFIG.PROPERTIES file.

Open a windows explorer session and navigate to "**C:\IBM\WebSphere\PortalServer\config**". There you will see a file called **WPCONFIG.PROPERTIES.**



Open this file using Notepad. **Note it is always useful to create a backup of config files before and after making any alterations**.

Modify the following lines by adding the parameters listed below:

Parameter	Value
LCC.DominoDirectory.Enabled	=true
LCC.DominoDirectory.Server	=portal.demo.local
LCC.Sametime.Enabled	=true
LCC.Sametime.Server	=portal.demo.local
LCC.Sametime.Protocol	=http
LCC.Sametime.Port	=80

```
#####################################################################
# Lotus Sametime Properties - BEGIN
#####################################################################

# Description: Lotus Collaborative Components required properties
#              to enable Lotus Sametime

# LCC.Sametime.Enabled: Is Lotus Sametime enabled in the environment?
# { true | false }
LCC.Sametime.Enabled=true

# LCC.Sametime.Server: The Lotus Sametime server name.
# { hostname | ip address }
LCC.Sametime.Server=portal.demo.local

# LCC.Sametime.Protocol: The protocol used to connect to the Lotus Sametime server.
# { http | https }
LCC.Sametime.Protocol=http
```

Close and save your changes. We now need to run two scripts to put those parameters into the CSENVIRONMENT.PROPERTIES file.

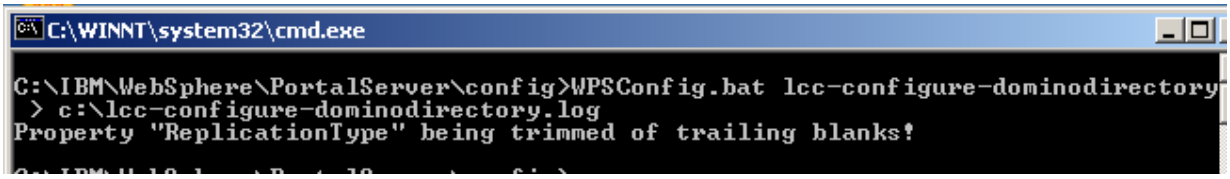
Open a DOS prompt.

Navigate to the **c:\IBM\WEBSPHERE\PORTALSERVER\CONFIG**

Enter in the following command:

"**WPSConfig.bat lcc-configure-dominodirectory > c:\lcc-configure-dominodirectory.log**"

This is writing the changes you put in the configuration file (related to domino) to the CSENVIRONMENT.PROPERTIES file. It is also writing an output log file to the c:\ drive. You should see the following:

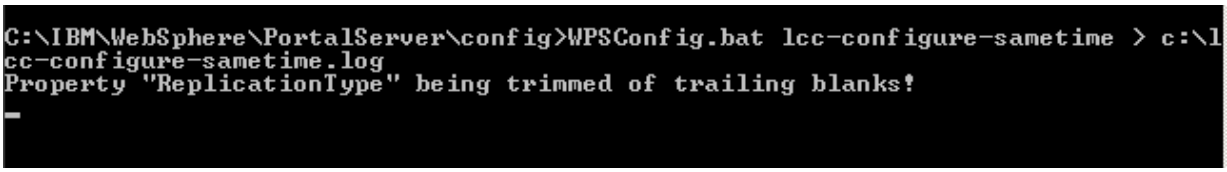


Go to the c:\ drive via explorer and you should see a file called "**LCC-CONFIGURE-DOMINODIRECTORY.LOG". Open this file**. At the end of the file, you should see a BUILD SUCCESSFUL line.

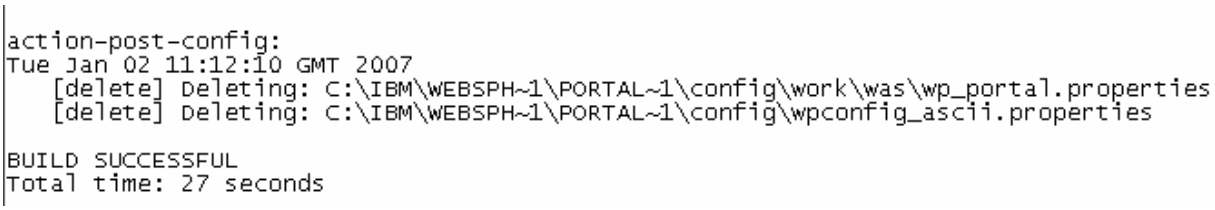
Now, run the following script in the command prompt.

"**WPSConfig.bat lcc-configure-sametime > c:\lcc-configure-sametime.log**"

This is writing the changes you put in the configuration file (related to SameTime) to the CSENVIRONMENT.PROPERTIES file. It is also writing an output log file to the c:\ drive. You should see the following:



Again, go to the c:\ drive via explorer and you should see a file called "**LCC-CONFIGURE-SAMETIME.LOG". Open this file**. At the end of the file, you should see a BUILD SUCCESSFUL line.



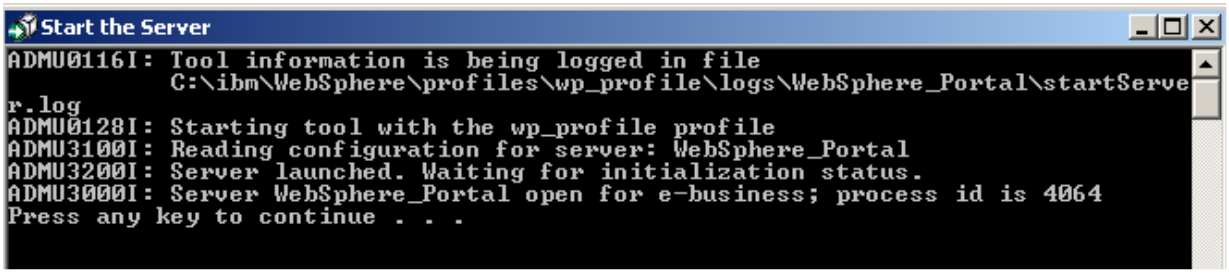
Test and see if it works!

Ok, your domino server should be running. Load the Sametime extension, by typing in **LOAD STADDIN** on the console. Again, this will take a few moments, while all the Sametime services load.

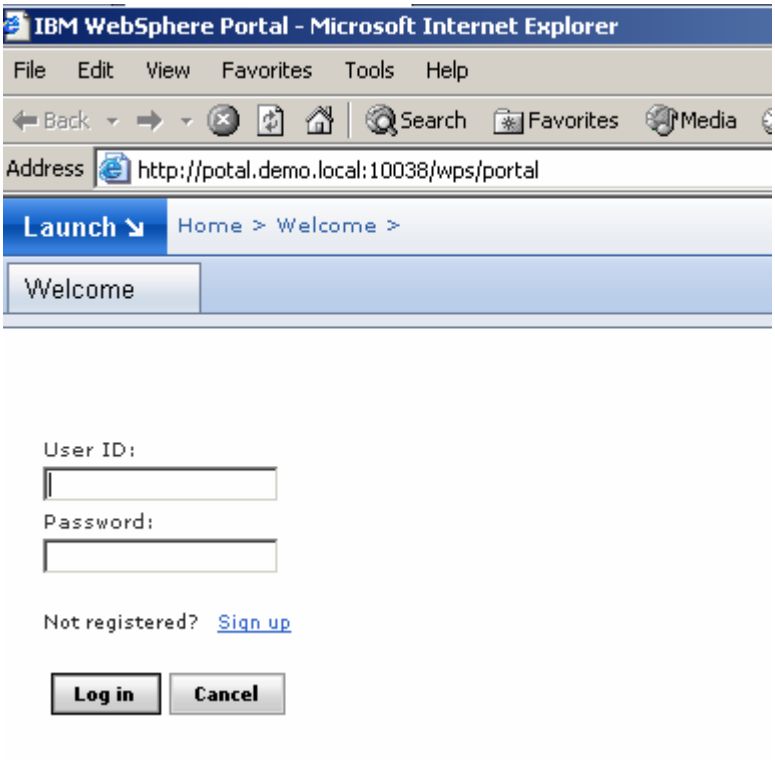
```
> load staddin
02/01/2007 11:43:01   Sametime Server: Starting services
02/01/2007 11:43:27   Sametime Server: Running
```

Load the Websphere Portal Server by double clicking on the **START THE SERVER** icon. 

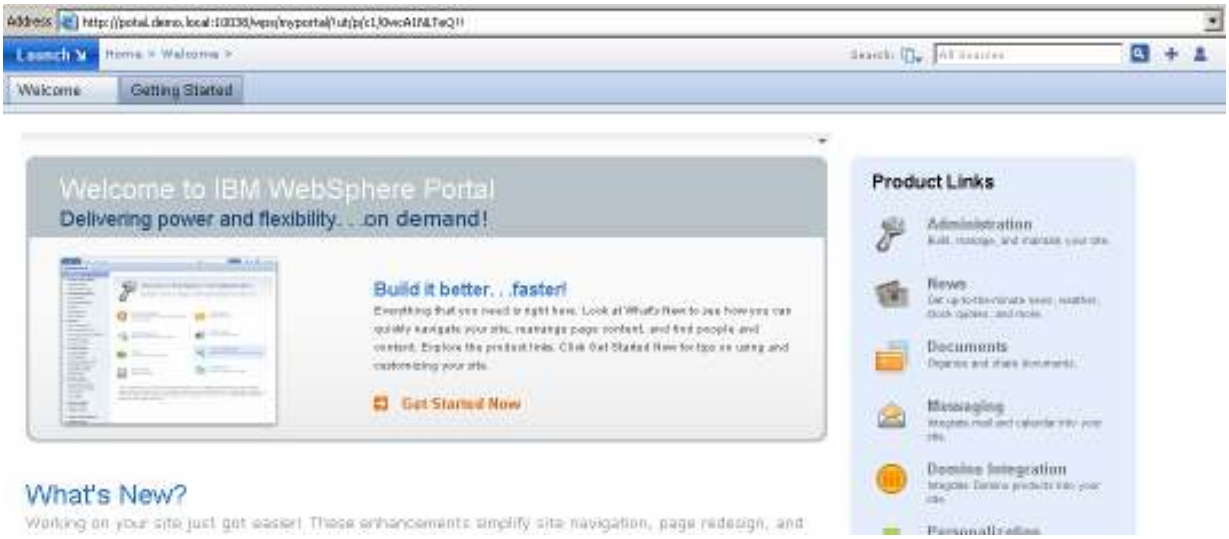
When the server is ready to be loaded, you will see this.



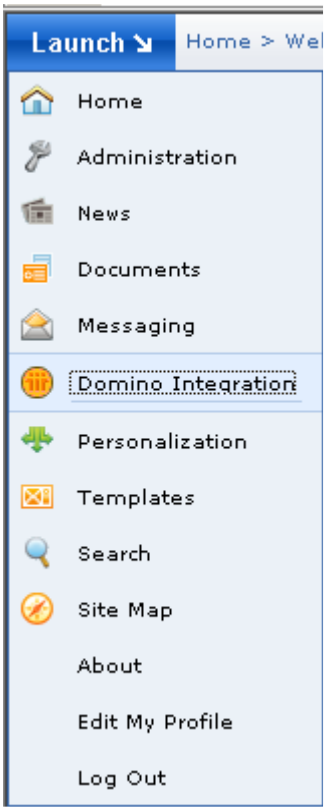
Launch a browser and navigate to
http://potal.demo.local:10038/wps/portal



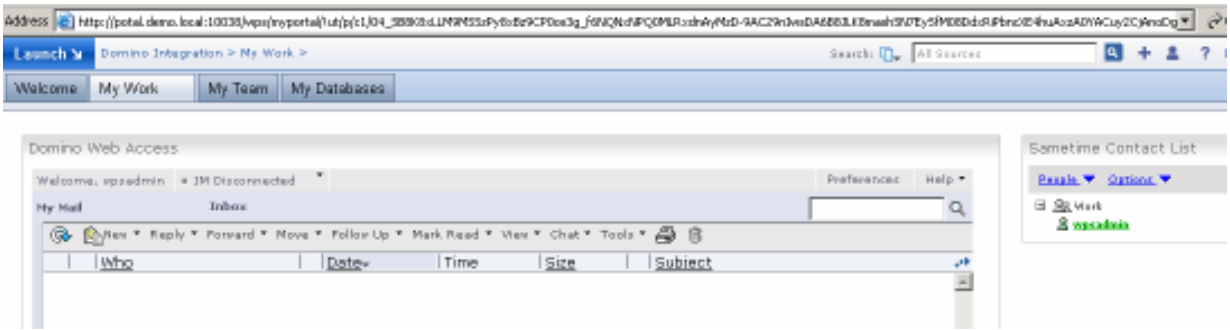
Login as wpsadmin and "lotusnotes" as the password. You will move to the default home page:



Now, click on the **LAUNCH** button and select **DOMINO INTEGRATION**



Click on the **MY WORK tab** and if it is all working, you will see the following:



Test it by sending an email to yourself, through the iNotes interface.

Congratulations, you have integrated Domino and Sametime with Websphere Portal Server!