Implementation Warehouse Management for Mobile Devices Using ITS

Applies to:

Enter SAP technology or product release (release 6.0, SP, etc.) to which this article or code sample applies (optional). For more information, visit the Mobile homepage.

Summary

Document for generating pages in ITS Mobile by creating service as well as removing spaces between elements and optimizing the size of elements

Author: Suresh Nair

Company: L & T Infotech Ltd.

Created on: 07 December 2009

Author Bio

Suresh Nair works at L & T Infotech Ltd in the ABAP module.

© 2009 SAP AG

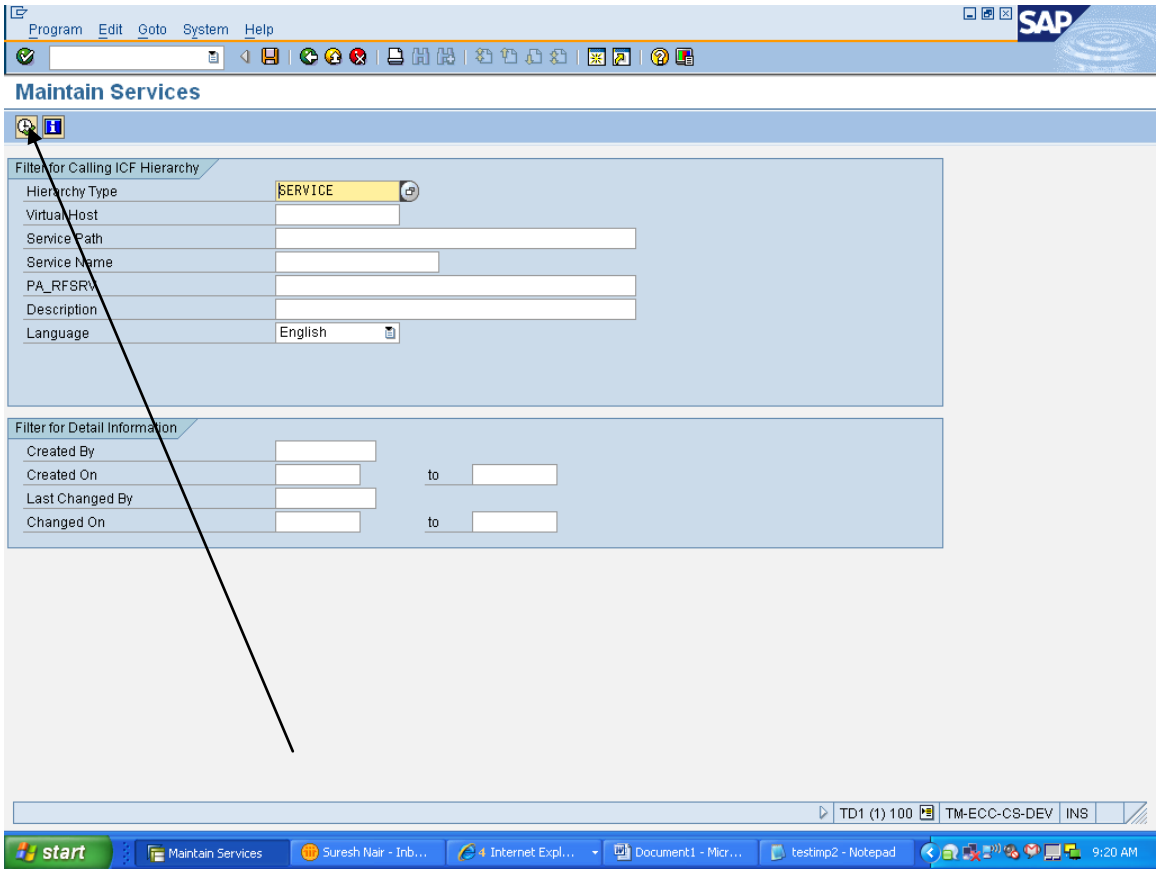
Table of Contents

Creation of Service 3
Tcode: SICF 3
Creation of Templates 20
Check URL 31
Disclaimer and Liability Notice 34

© 2009 SAP AG

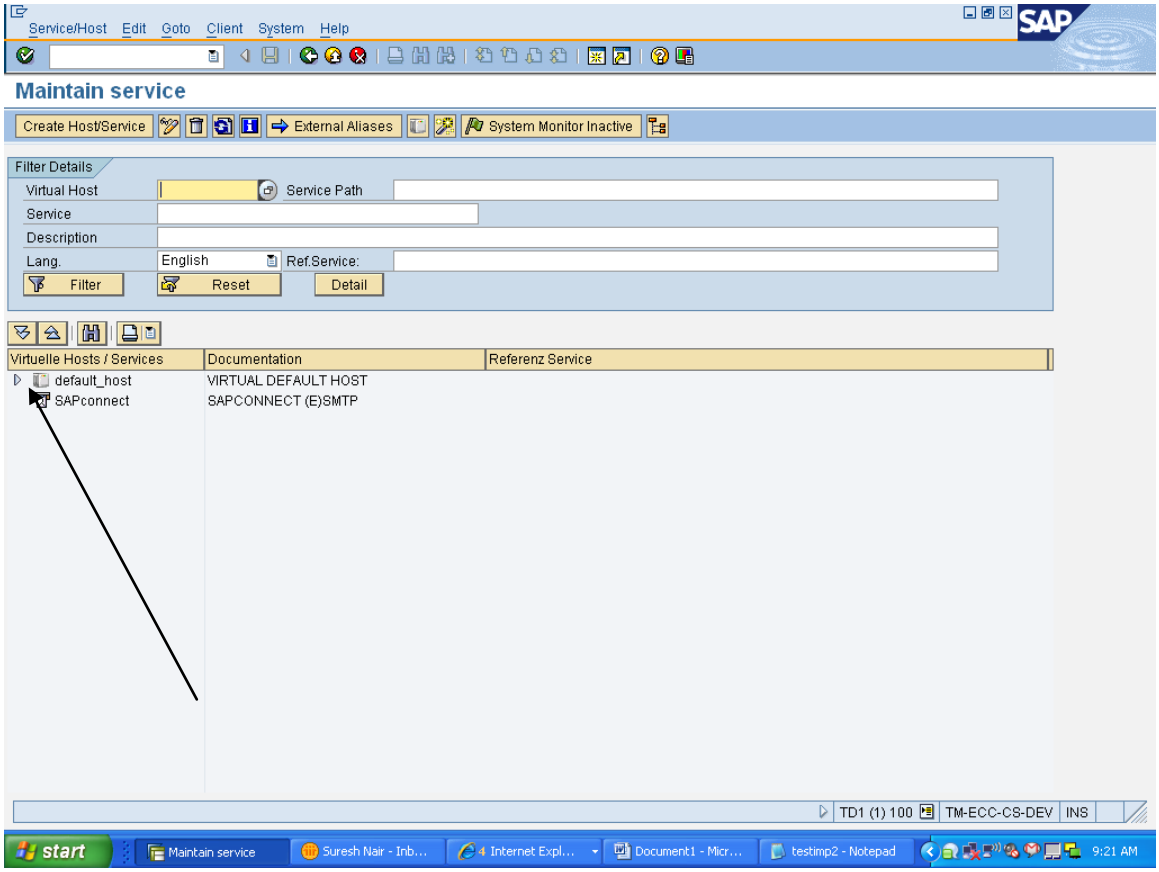
Creation of Service

Tcode: SICF



Click of Execute Button / F8 this would take you to another screen

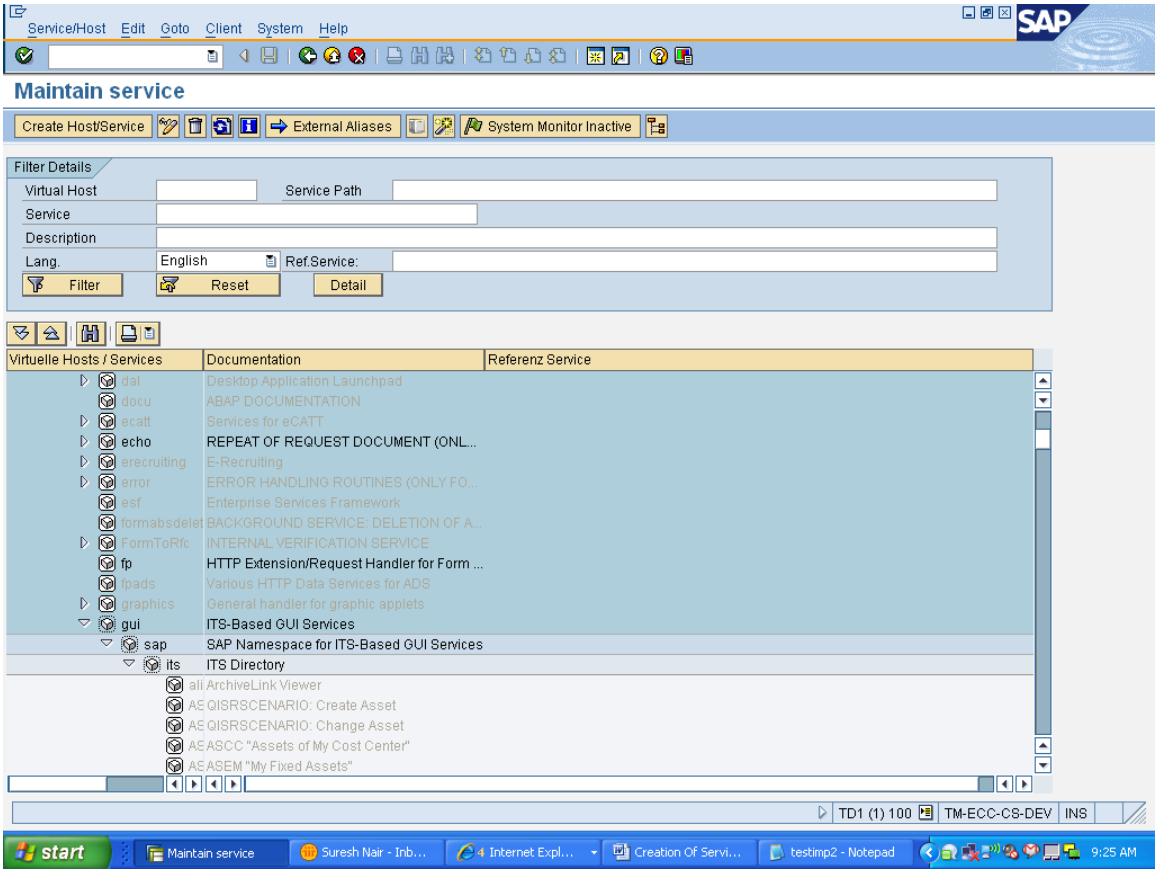
© 2009 SAP AG



Click on the Treeview **Default_Host**

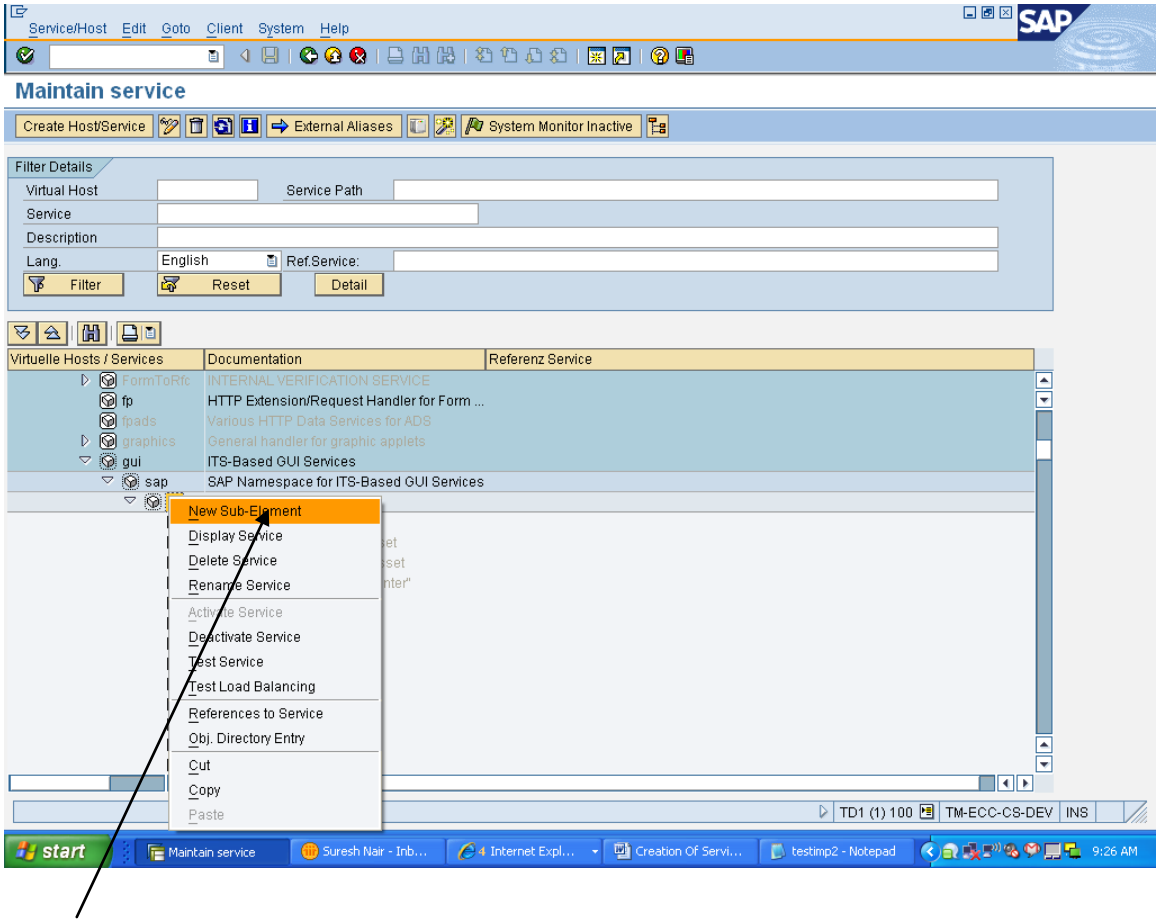
© 2009 SAP AG

Drill down to its directory by following: Default Host->SAP->bc->gui->sap->its



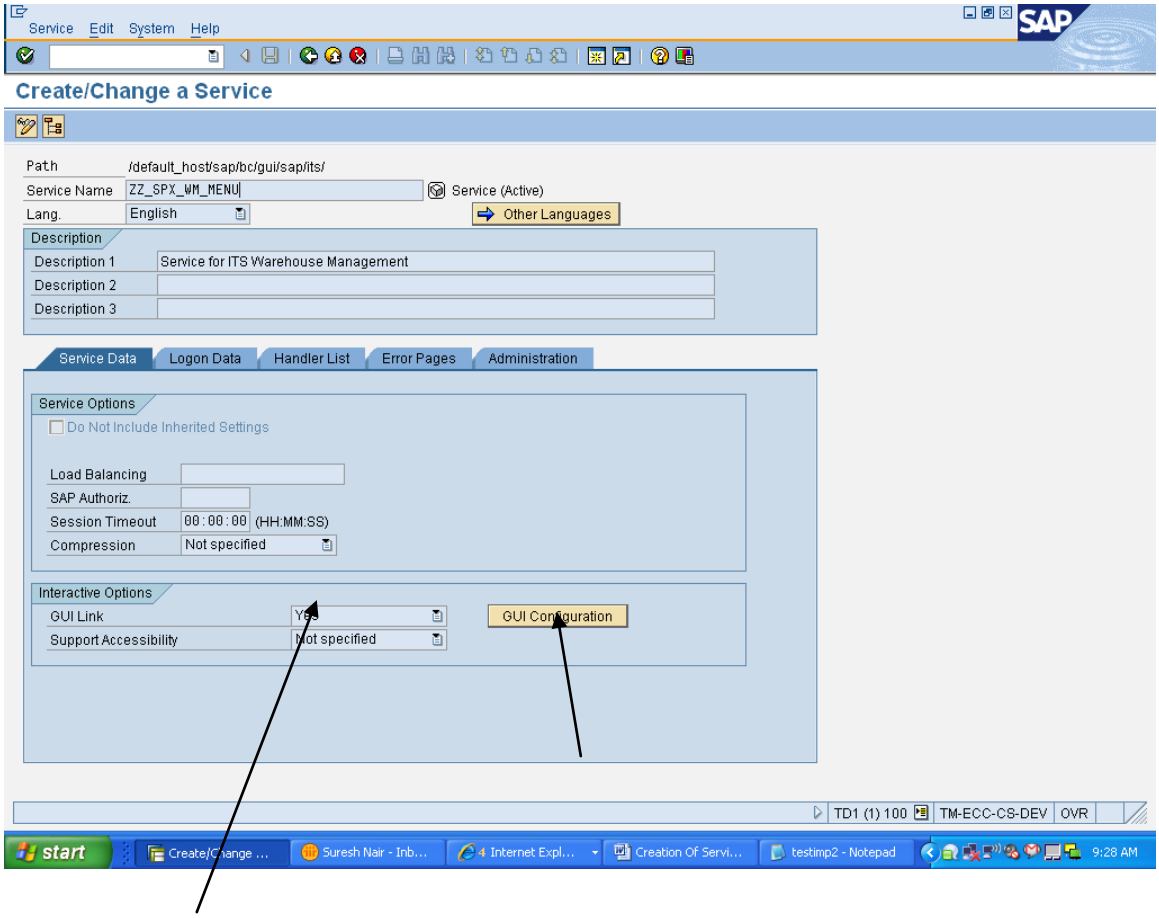
Right click on the ITS directory and select New Sub Element

© 2009 SAP AG


Service/Host Edit Goto Client System Help
Maintain service
Create Host/Service
External Aliases
System Monitor Inactive
Filter Details
Virtual Host
Service Path
Service
Description
Lang.
English
Ref.Service:
Filter
Reset
Detail
Virtuelle Hosts / Services
Documentation
Referenz Service
FormToRfc
INTERNAL VERIFICATION SERVICE
fp
HTTP Extension/Request Handler for Form ...
fpads
Various HTTP Data Services for ADS
graphics
General handler for graphic applets
gui
ITS-Based GUI Services
sap
SAP Namespace for ITS-Based GUI Services
New Sub-Element
Display Service
Delete Service
Rename Service
Activate Service
Deactivate Service
Test Service
Test Load Balancing
References to Service
Obj. Directory Entry
Cut
Copy
Paste
TD1 (1) 100
TM-ECC-CS-DEV
INS
start
Maintain service
Suresh Nair - Inb...
4 Internet Expl...
Creation Of Servi...
testimp2 - Notepad
9:26 AM

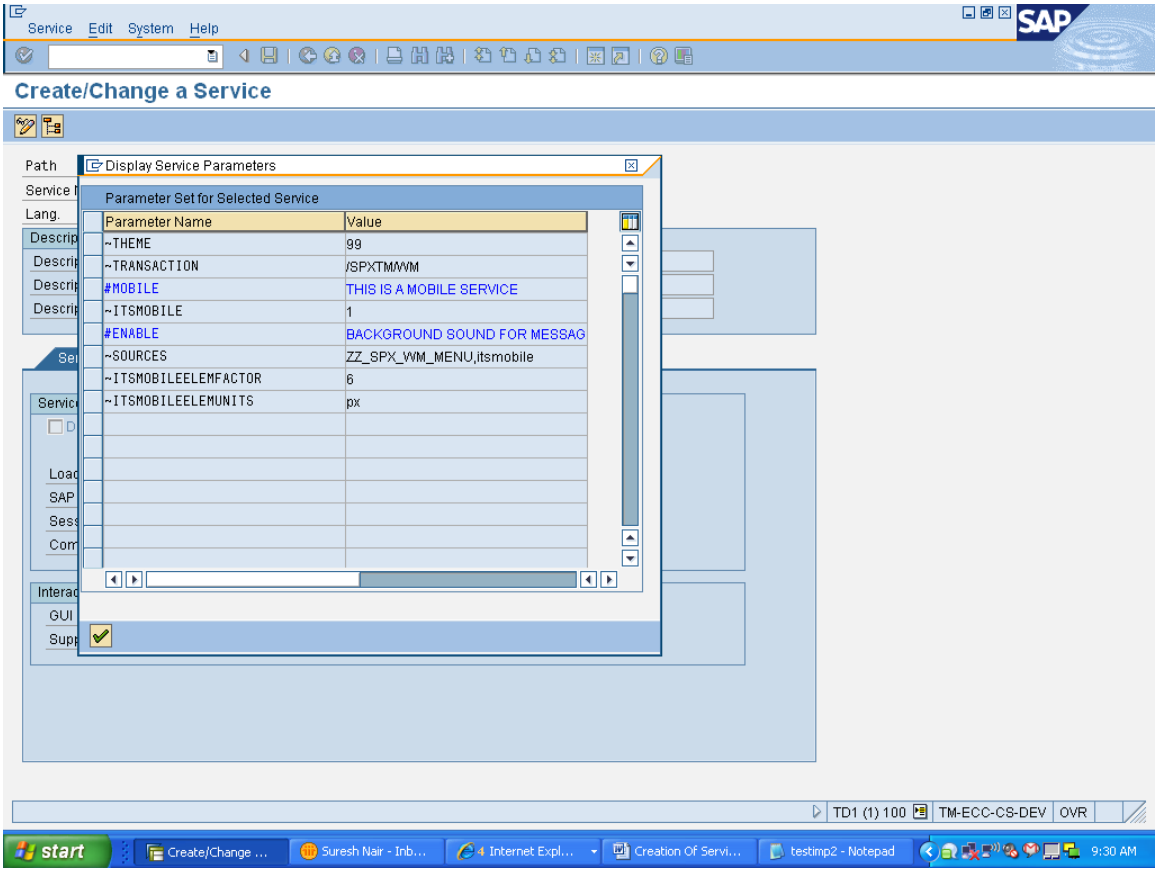
© 2009 SAP AG

Name it as **ZZ_SPX_WM_MENU** enter short description



Incase of GUI link select 'YES' and click on GUI Configurations where in you will set the parameters

© 2009 SAP AG



Parameter Descriptions

1) THEME : **99**

2) ~TRANSACTION: Tcode for your program e.g.: **ZITSMOBILE**

3) '**#** ' is for adding comments

4) ~ITSMOBILE : '**1'**

5) ~SOURCES : '**ZZ_SPX_WM_MENU, itsmobile'** sequence here is very important

First the service name and it should be followed by standard SAP provided service that is

Itsmobile

6) ~ITSMOBILEELEMFACTOR: '**6'** define the factor (integer number) by which the width of visible elements will be multiplied.

7) ~ITSMOBILEELEMUNITS : '**px'** defines which measurements units will be used.

The above parameters that are ~**ITSMOBILEELEMFACTOR, ~ITSMOBILEELEMUNITS** are meant for your size of objects and spacing between elements, this parameters play a vital role in spacing between elements and sizing of objects. If those pararmeters are not set then

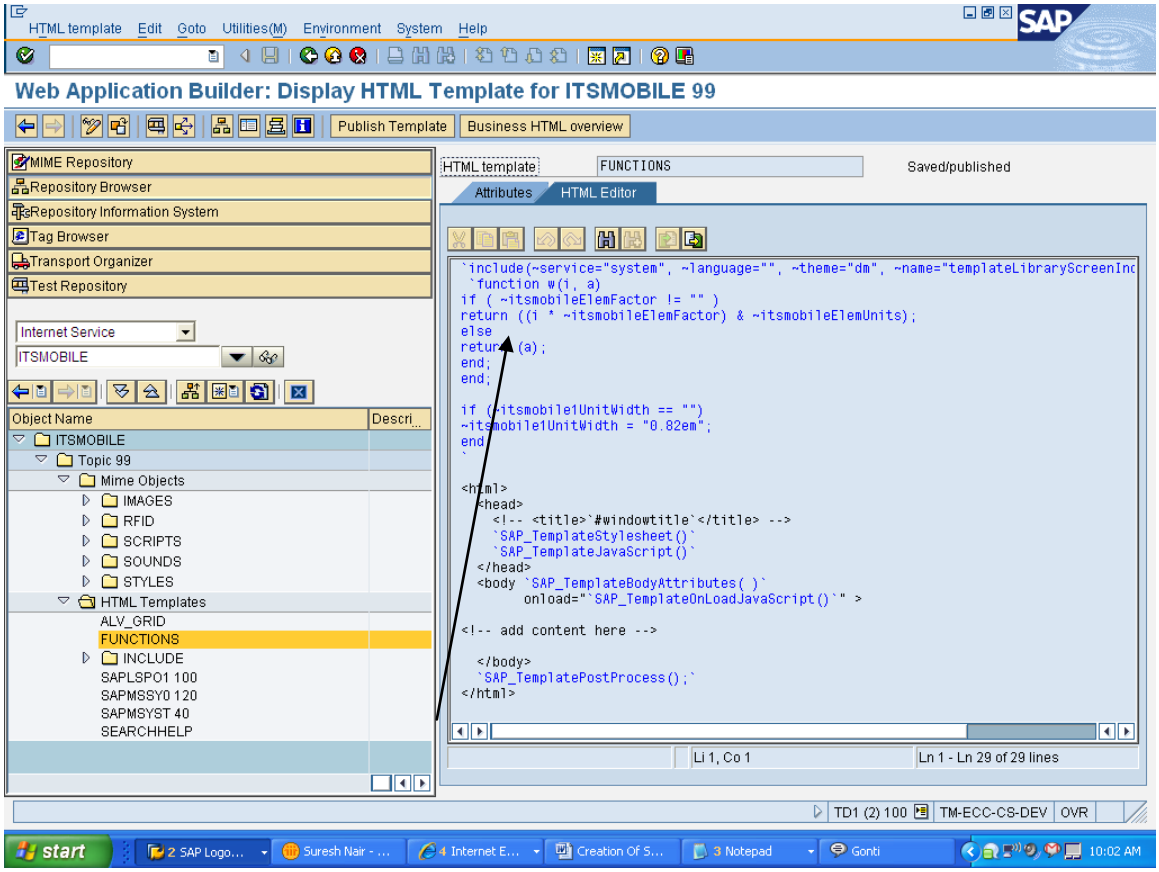
If those factor are not specified, the default factor "0.82" and default units "em" will be used (these defaults are defined in the constructor of the CL_ITS_GENERATE_HTML_MOBILE4 class)

© 2009 SAP AG

This calculation is done in a function called "w()" which is implemented in ITSMOBILE/99/FUNCTIONS template, but you can have your own function, just copy the FUNCTIONS.HTML template into your service and define parameter

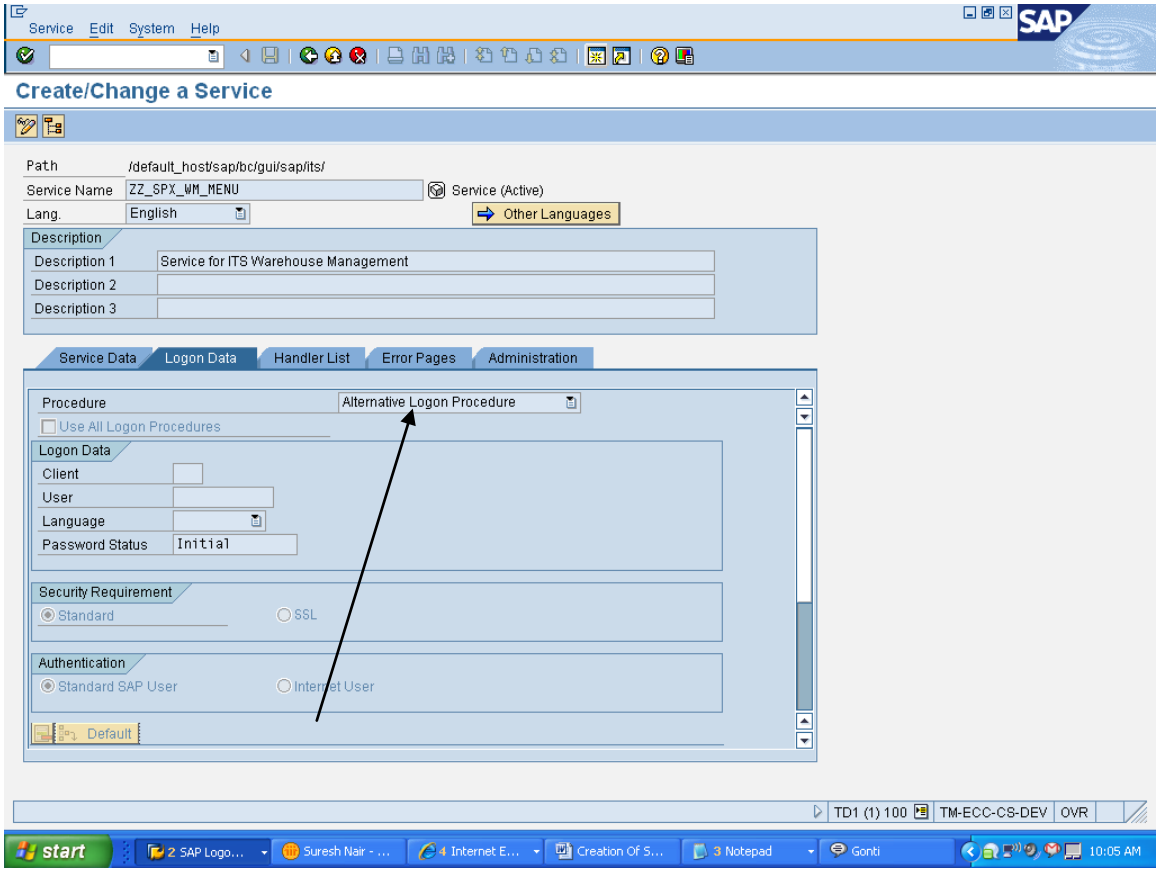
~itsmobileFuncInclude if the template name has changed during copying.

The function module mentioned in the Internet service is shown in the below



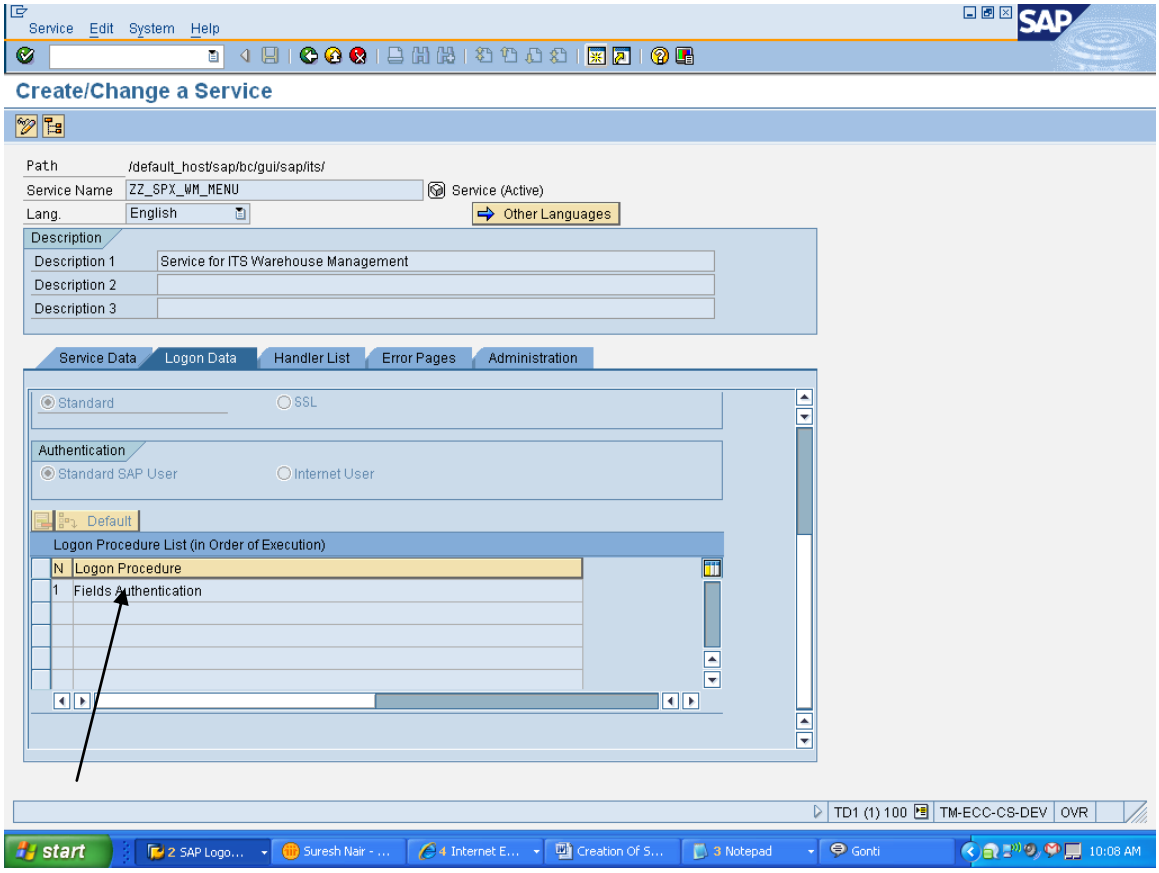
© 2009 SAP AG

After setting up the Parameters in Internet Service click on "**Logon Data"** TAB select procedure "**Alternative Logon Procedure**"



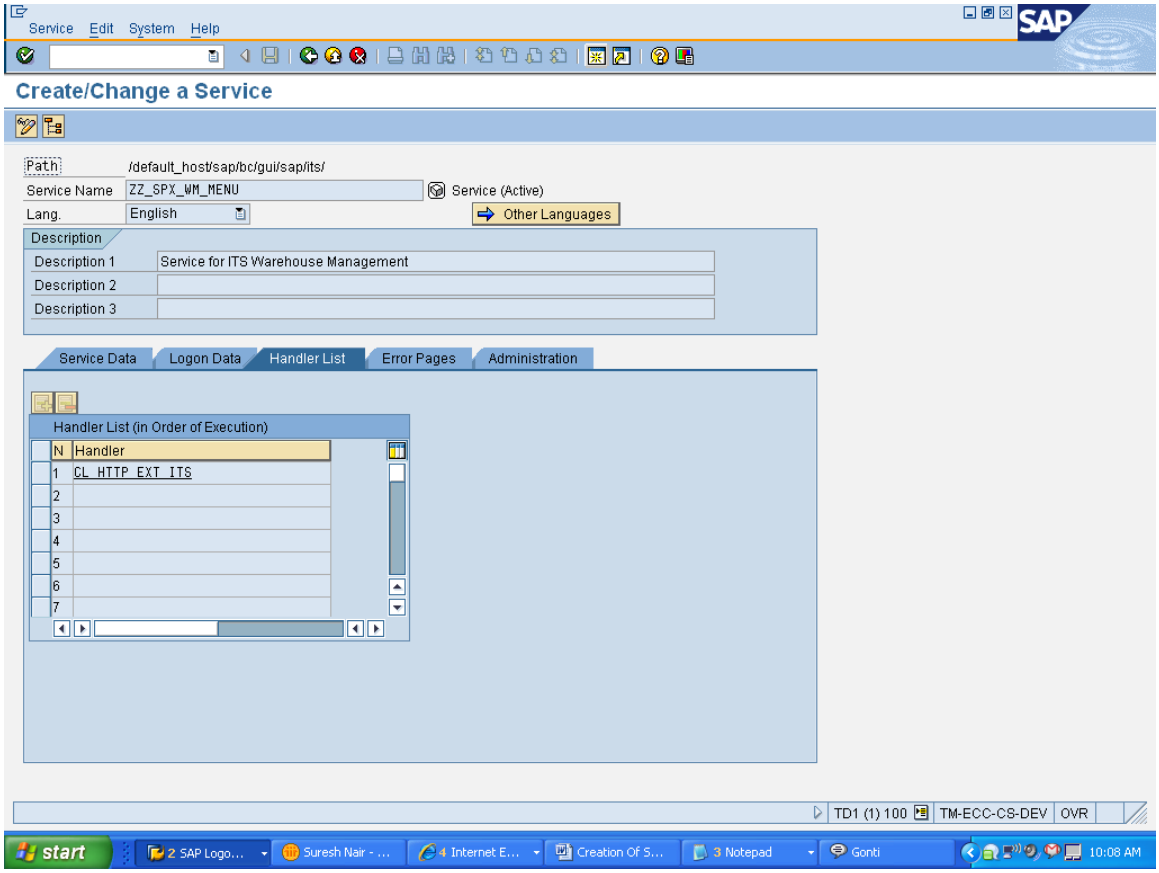
© 2009 SAP AG

Scroll Down and go to **Logon procedure List** Delete rest of the attributes except for “Field Authentication” shown in the below image



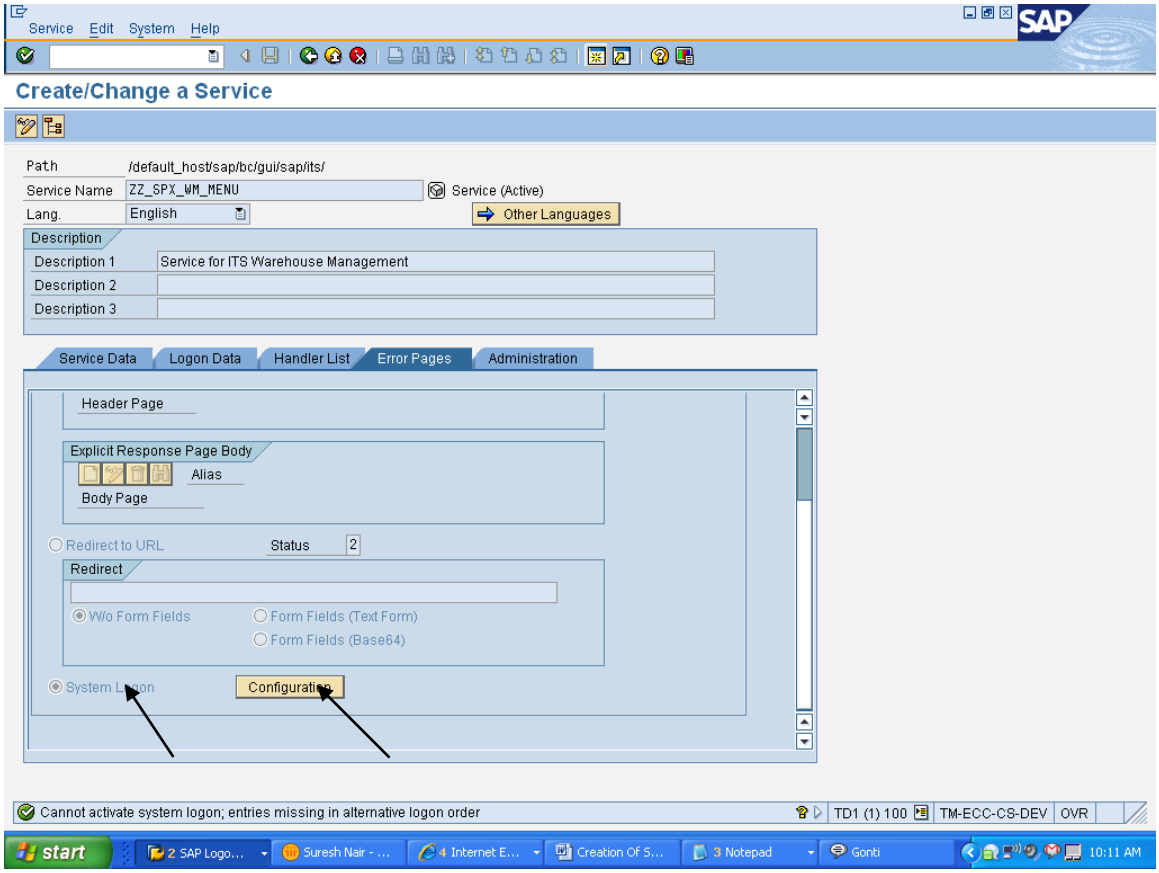
© 2009 SAP AG

Click on **Handler List** tab do not make any changes live it as it is



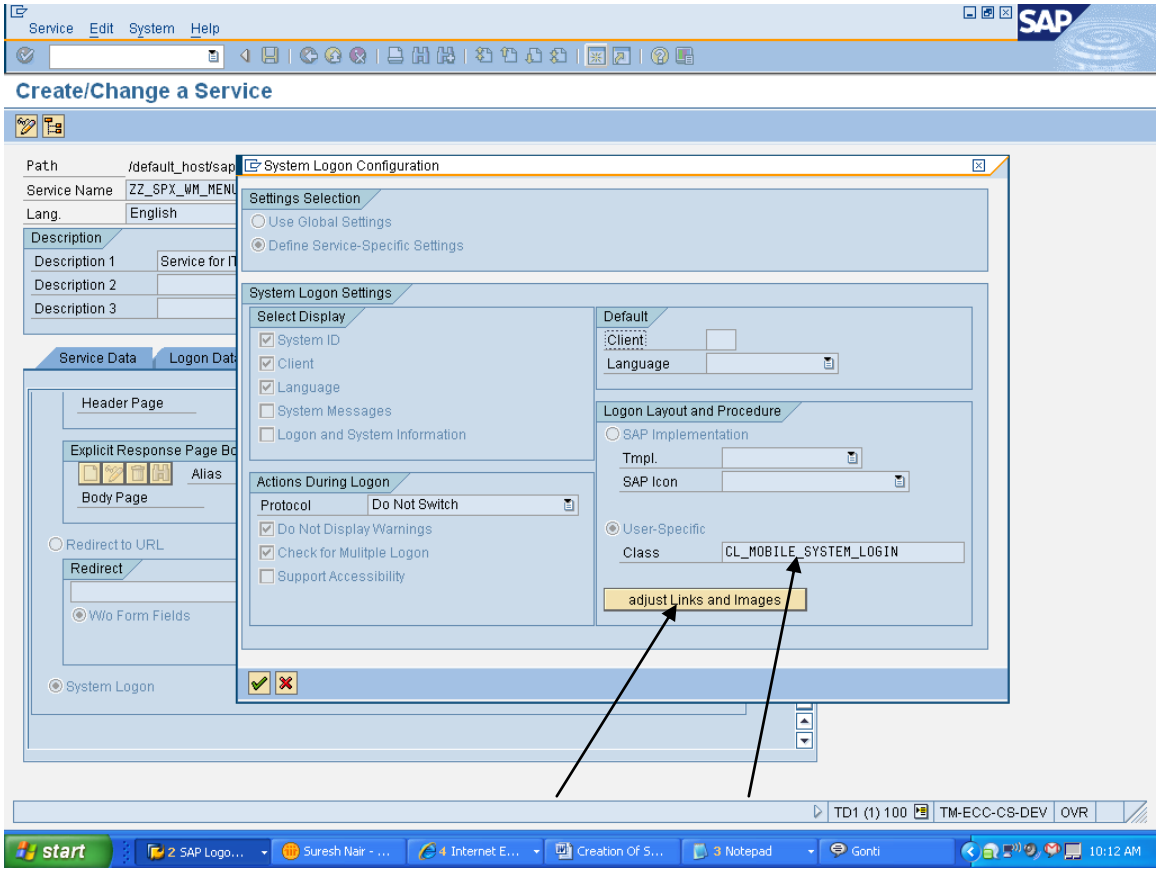
© 2009 SAP AG

Select tab **Error Pages** in the **Logon Errors** tab scroll down and select the option



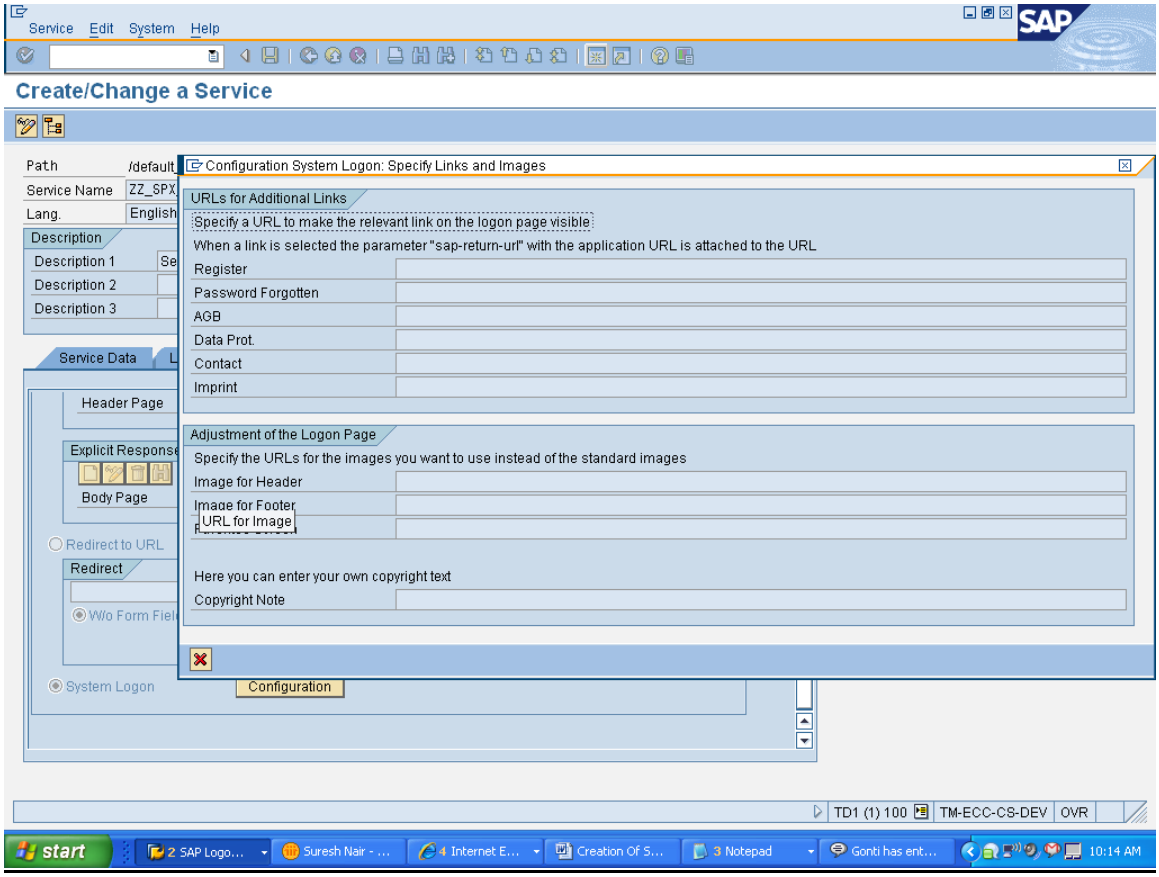
Also click on **Configuration** button in the same tab following thing should be as seen in the image:

© 2009 SAP AG



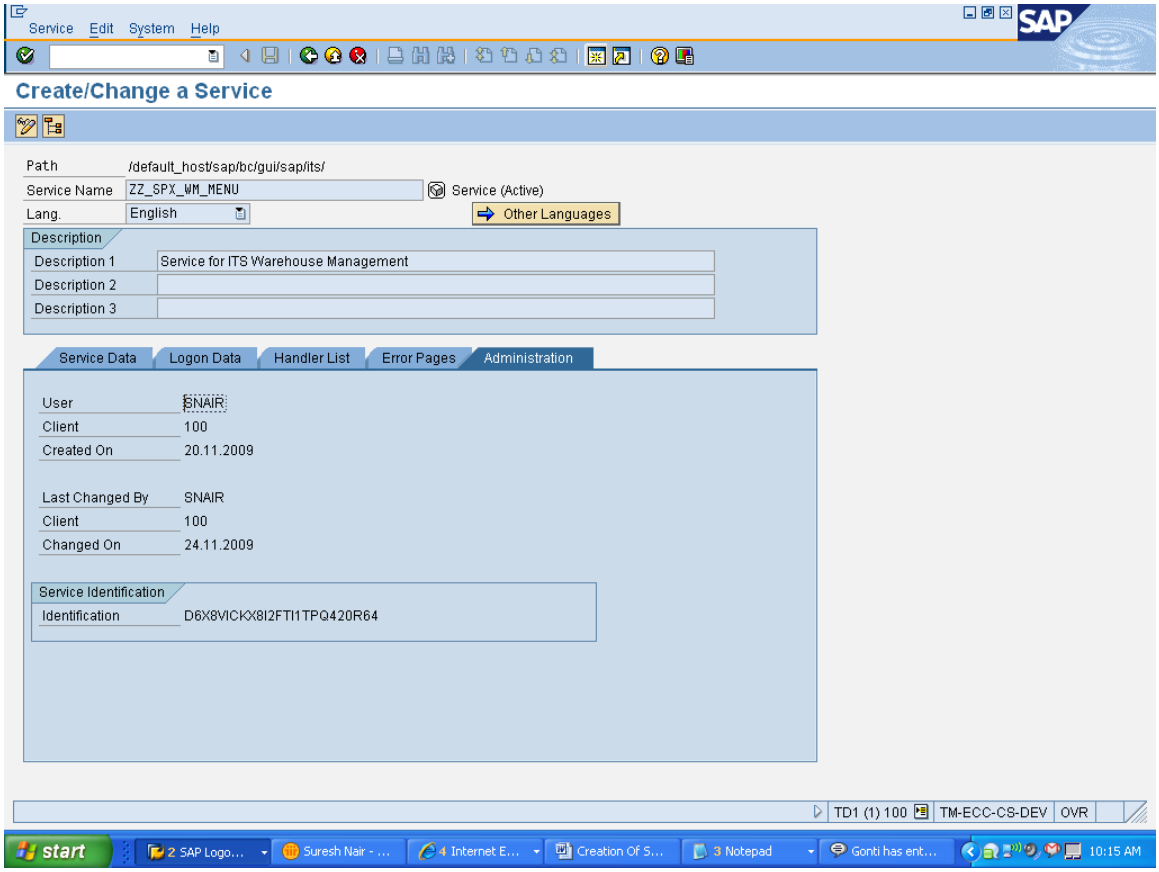
Class selection is very important this make pages that appear in the scanner mobile size format. Click on **adjust Links and Images**

© 2009 SAP AG



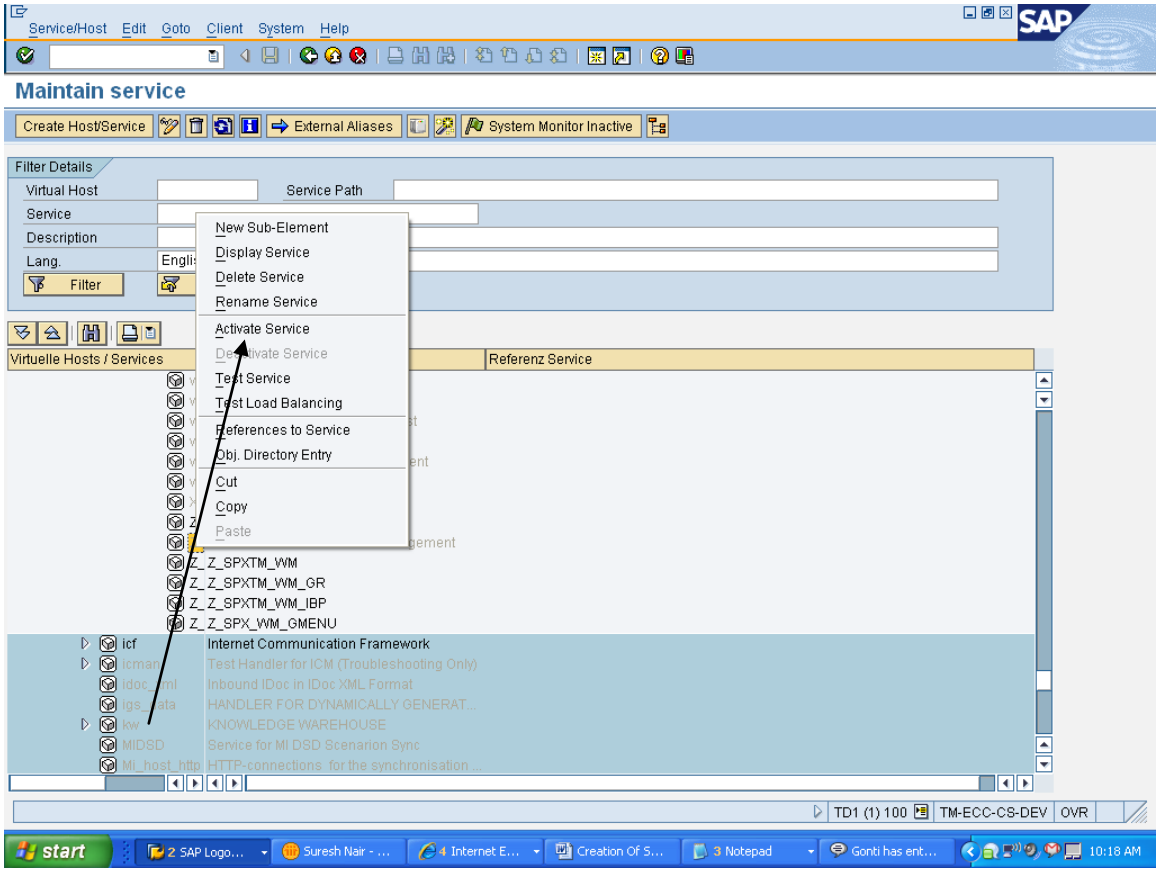
Rest all tabs in the **Error Pages** are to be left without change, Clicking on the administration would only give information.

© 2009 SAP AG



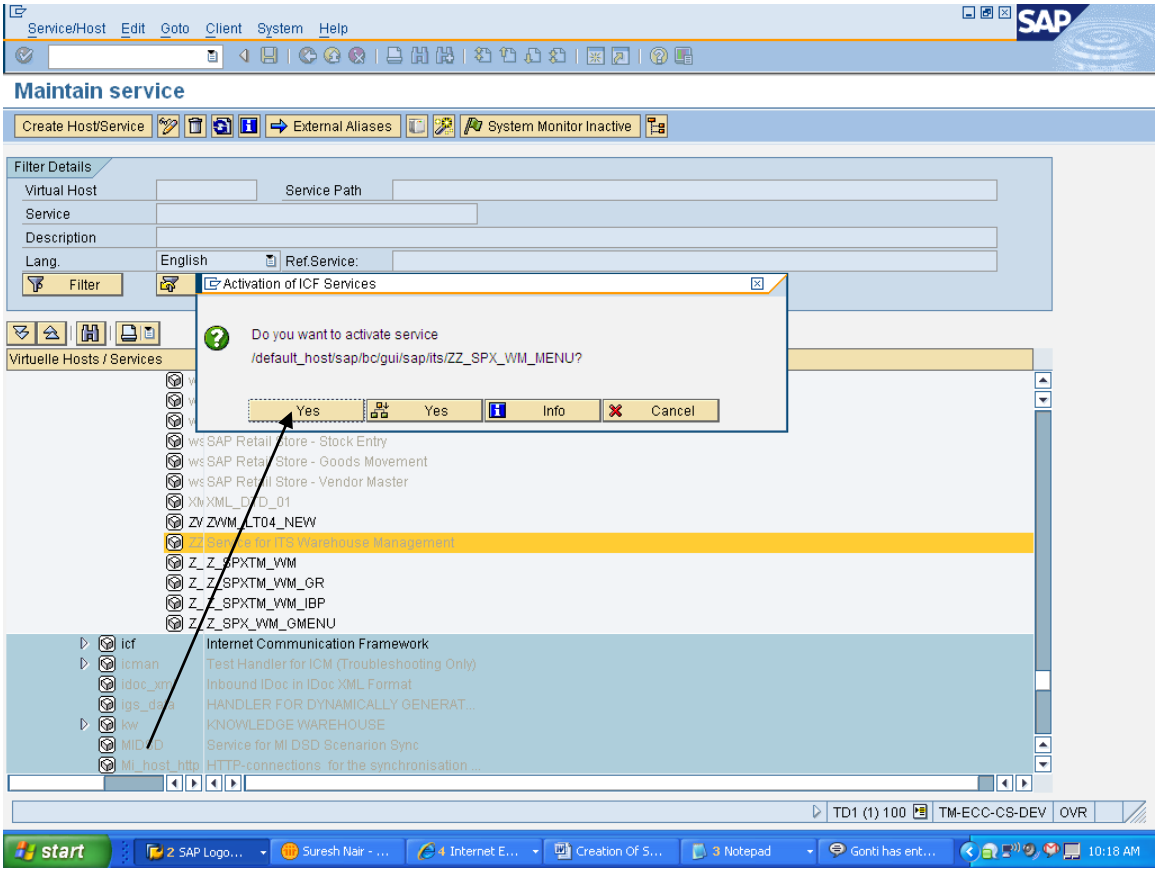
After completing the above settings save it and click on the back button this would take you to the following screen.

© 2009 SAP AG



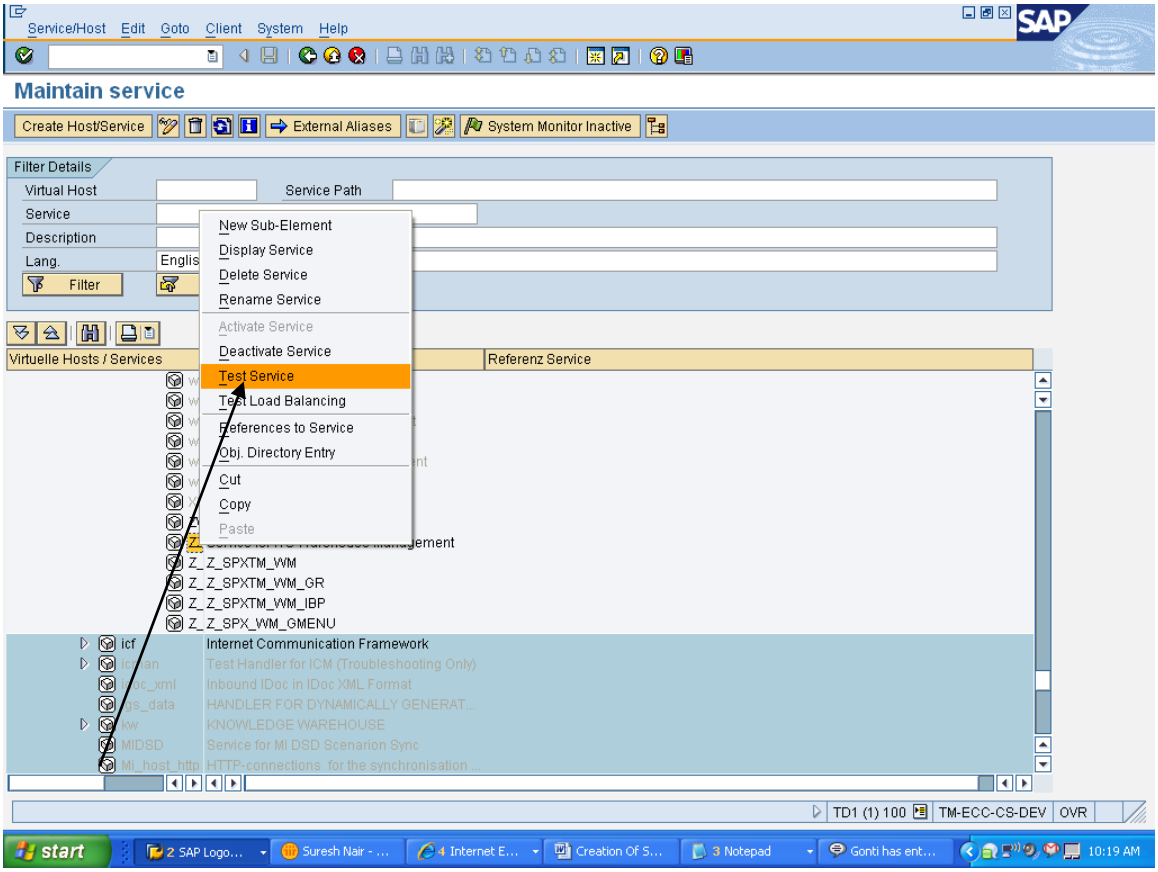
Now would be disabled / deactivated . As we need to activate it select the newly created service name and click on Activate service

© 2009 SAP AG

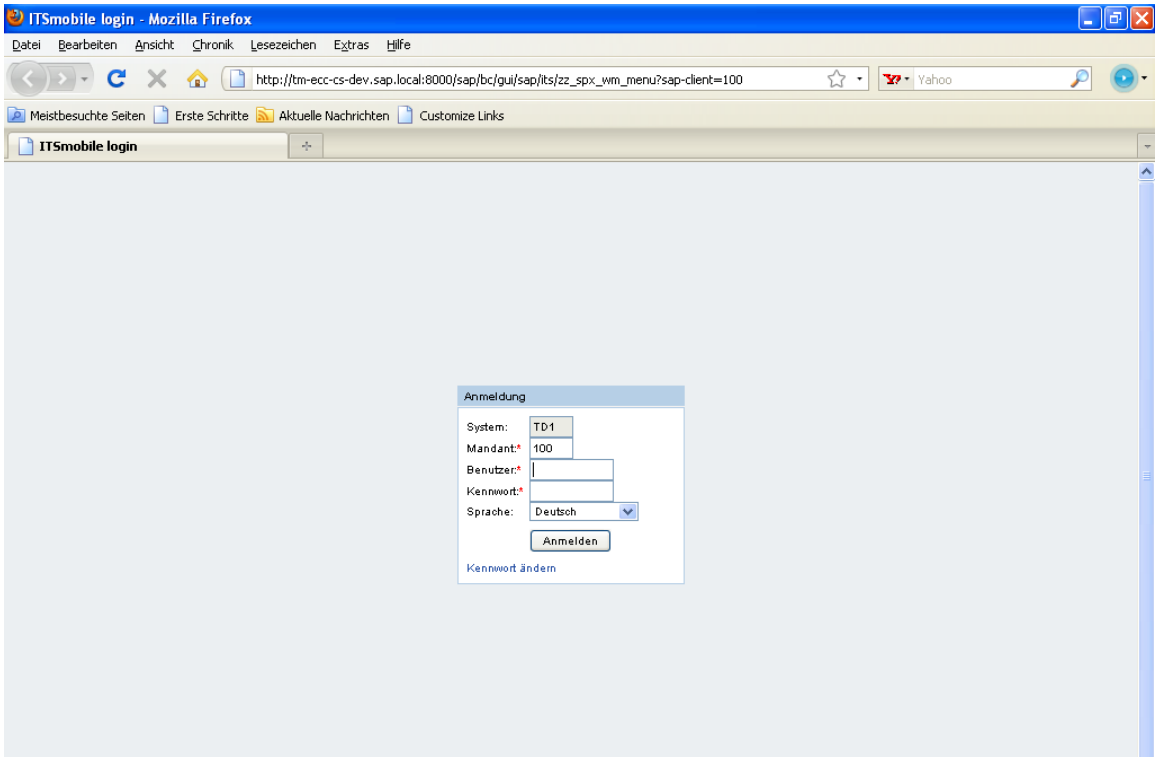


It becomes enabled and activated to try that whether service is working just click on the service

© 2009 SAP AG



Click on test service this should open your default explorer and with the URL generated by SAP and it should bring the login screen of SAP as shown below:



© 2009 SAP AG

Creation of Templates

Before creating templates certain steps are mandatory and need to be done. Need to Publish Services and Complete Services for SAP Internet Services following are they

1) ITSMOBILE

2) ITSGENMOBILE

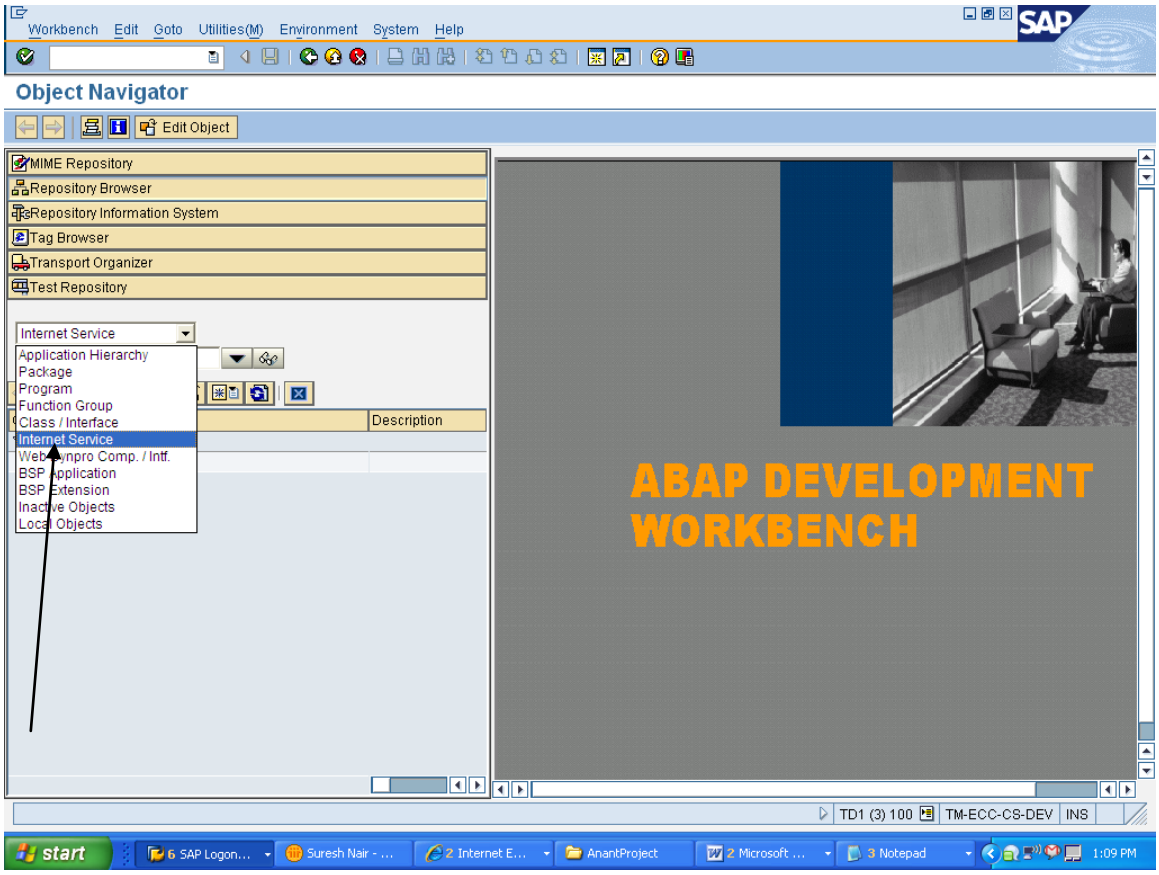
3) ITSGENMOBILE4

4) ITSGENMOBILEXV

Procedure for doing it .

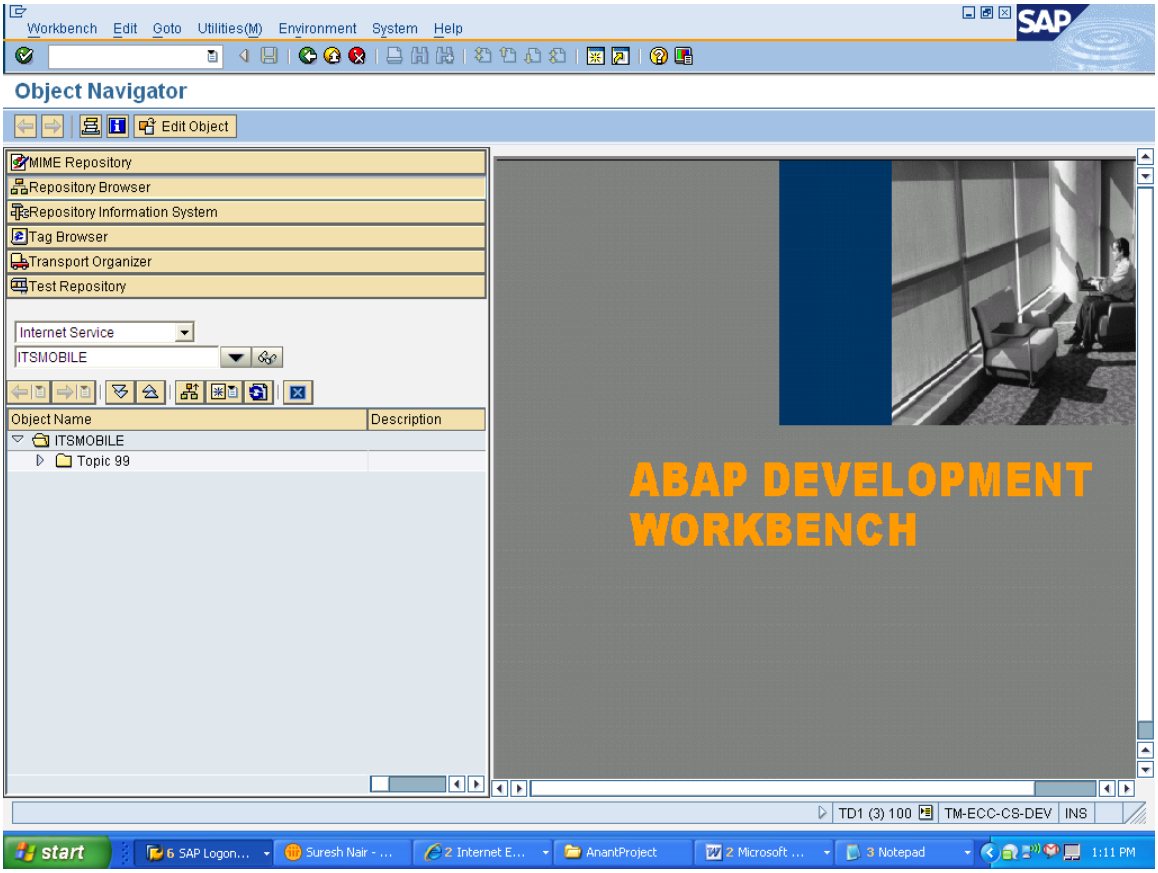
1) Enter Tcode SE80.

2) Select Internet Service as shown in the Image



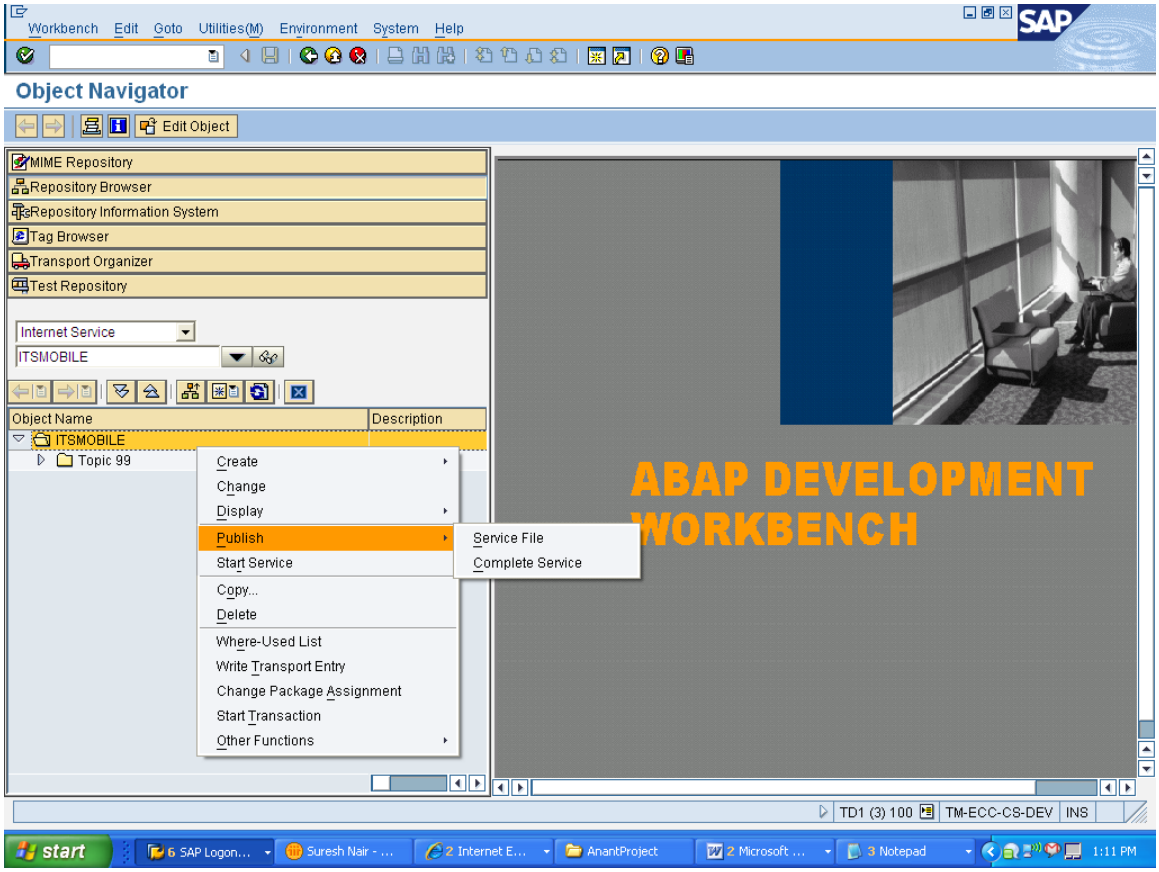
© 2009 SAP AG

3) Enter “ITSMOBILE”



Right-click on ITSMOBILE

© 2009 SAP AG

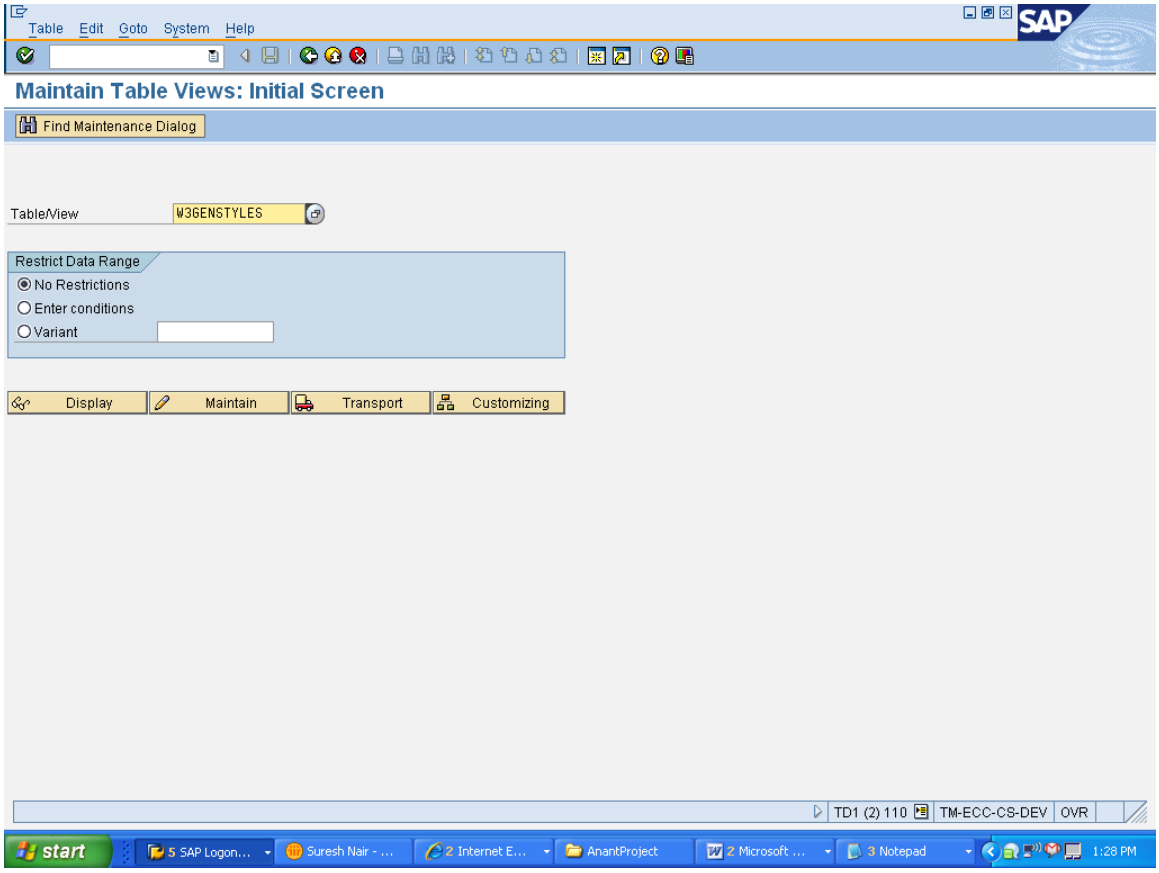


There are two option first select **Service File**, secondly perform **Complete Service** the same action has to be performed for the others also for eg: ITSGENMOBILE etc.

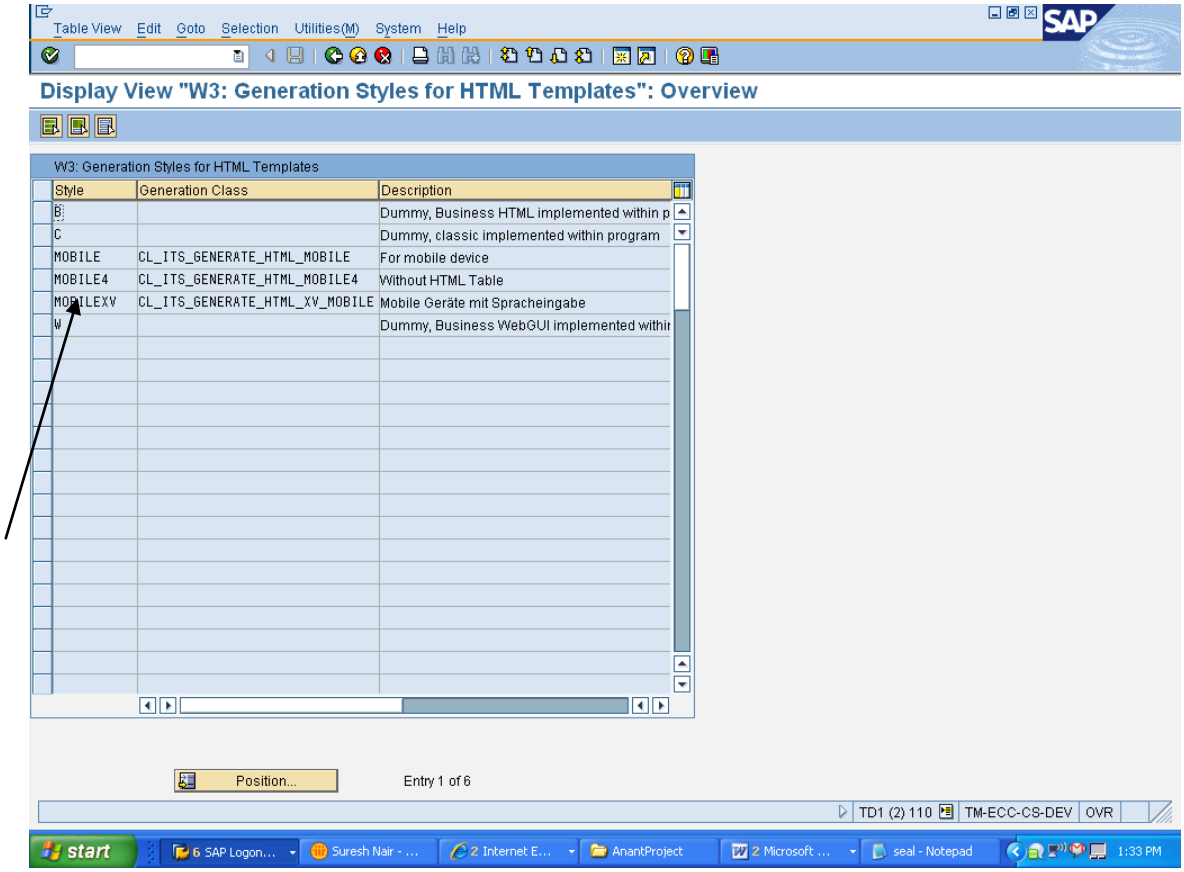
© 2009 SAP AG

As we would be generating the templates through the New HTML generator we need to add certain data manually

1) Enter Tcode SM30
2) W3GENSTYLES



© 2009 SAP AG



Enter the Style as **Mobile4** , Class as **CL_ITS_GENERATE_HTML_MOBILE4** and description

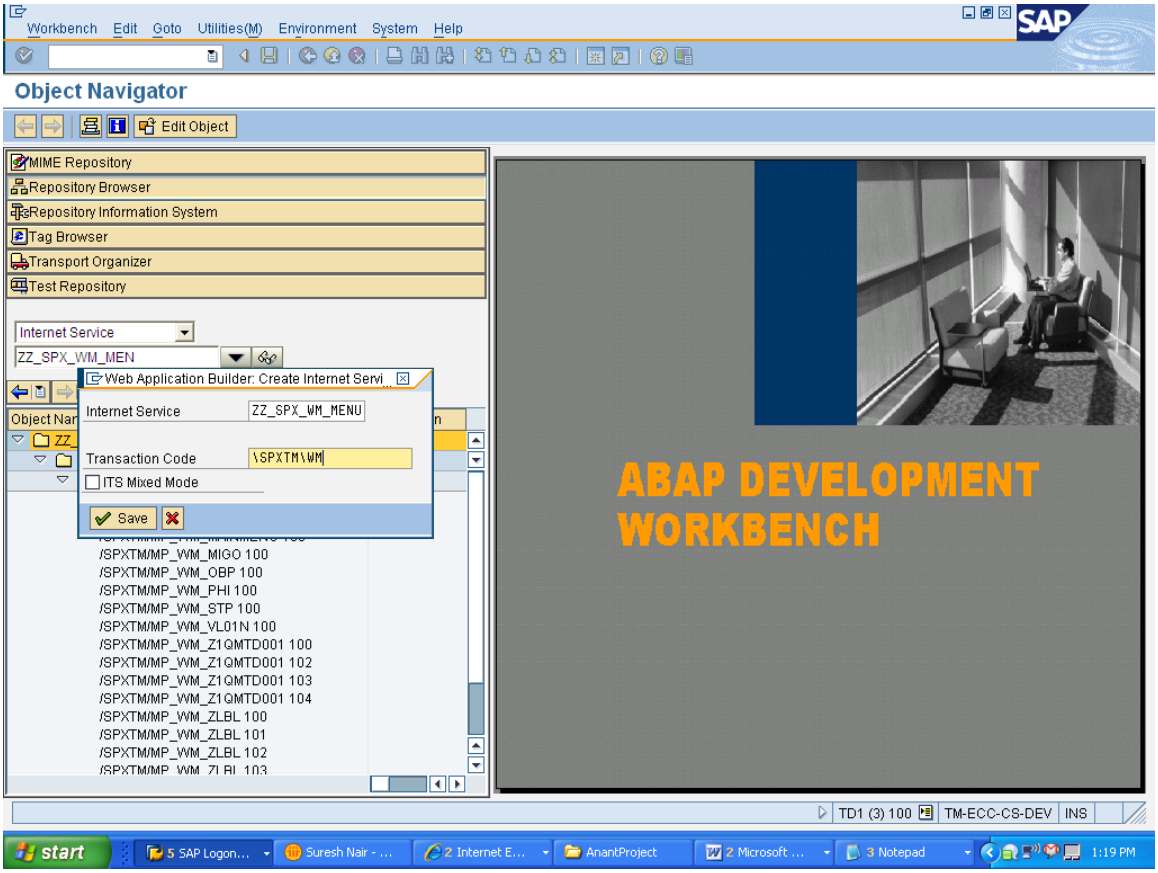
After performing the above action for all the four Standard Internet Service. Start creating your own Internet Service. The Internet service name should be same as the Services created. In our example as we have created ZZ_SPX_WM_MENU as the service so the internet service should be also same .

1) Goto Tcode SE80 tcode

2) Select Internet Service

© 2009 SAP AG

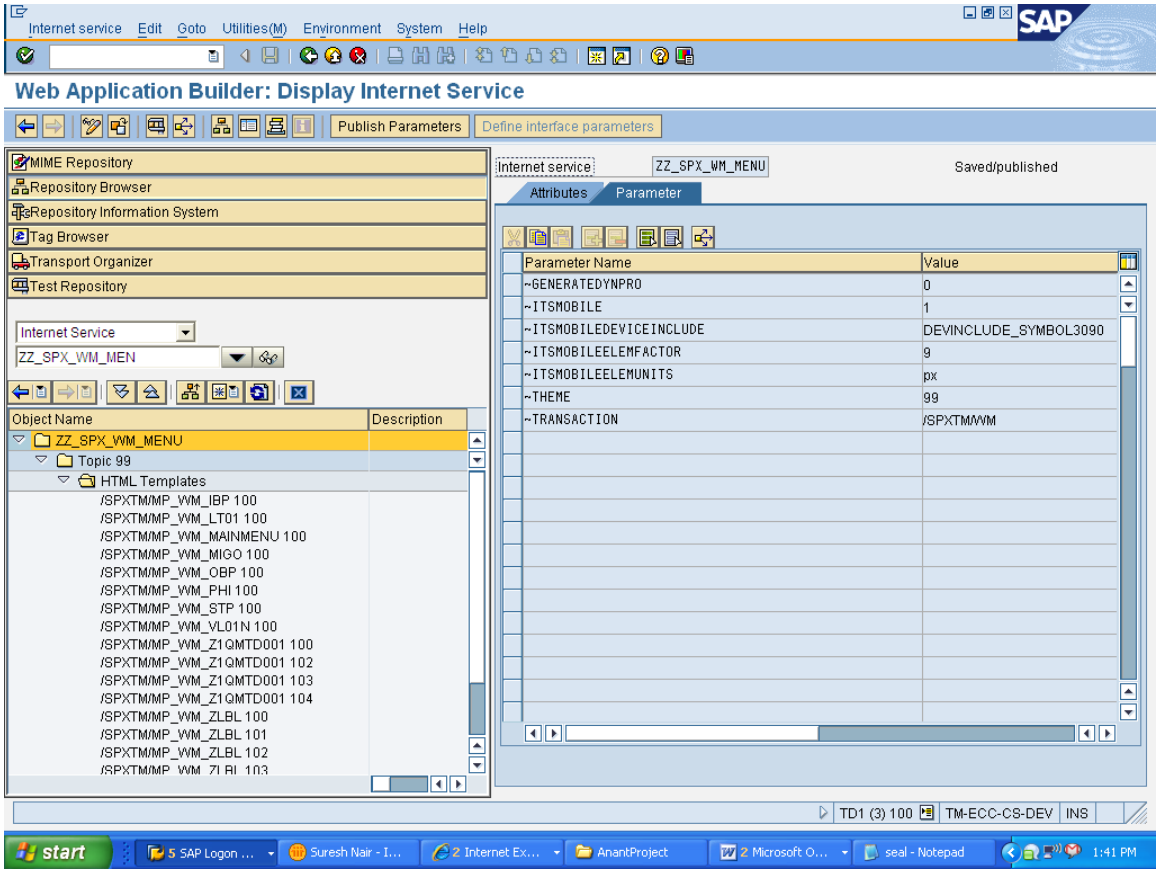
3) Enter “ZZ_SPX_WM_MENU” and click on maintain



Enter the Tcode of your program, do not select ITS MIXED MODE and click on SAVE

© 2009 SAP AG

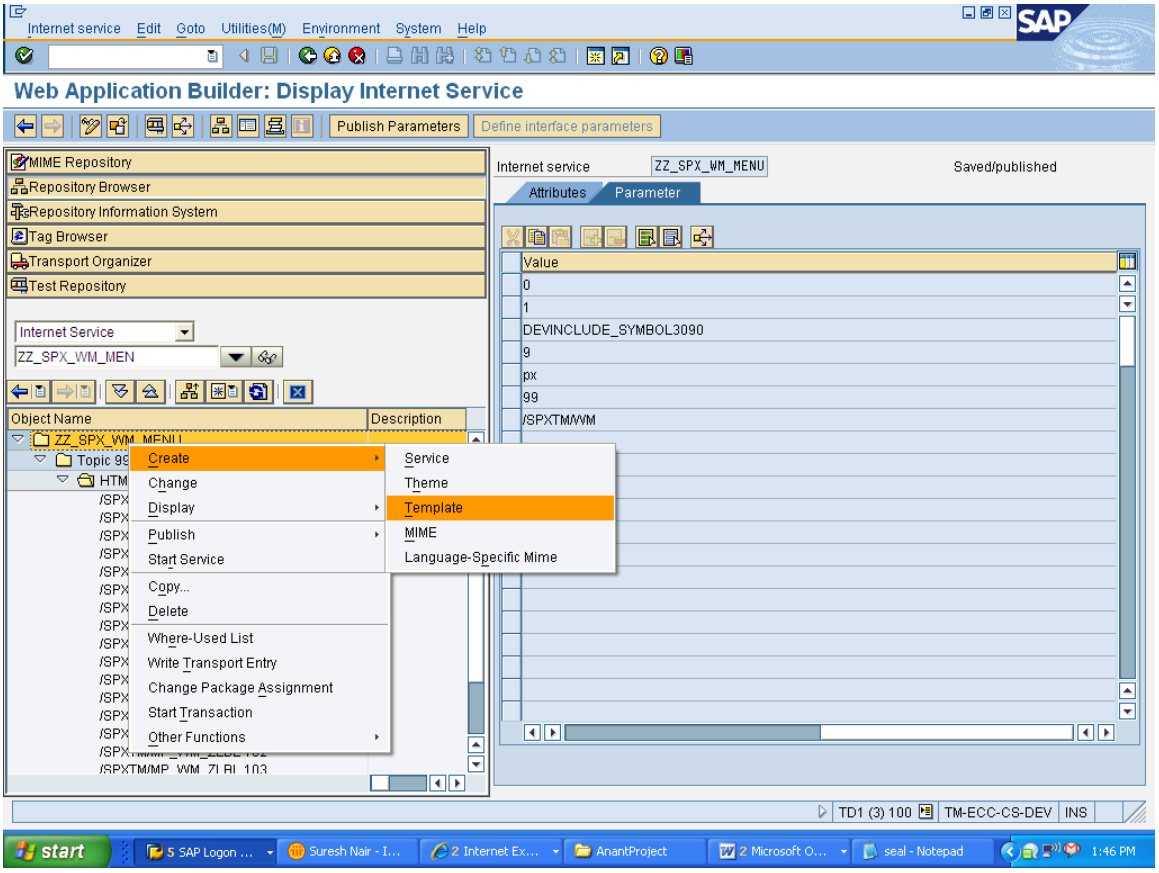
Double click on Internet Service name for parameters

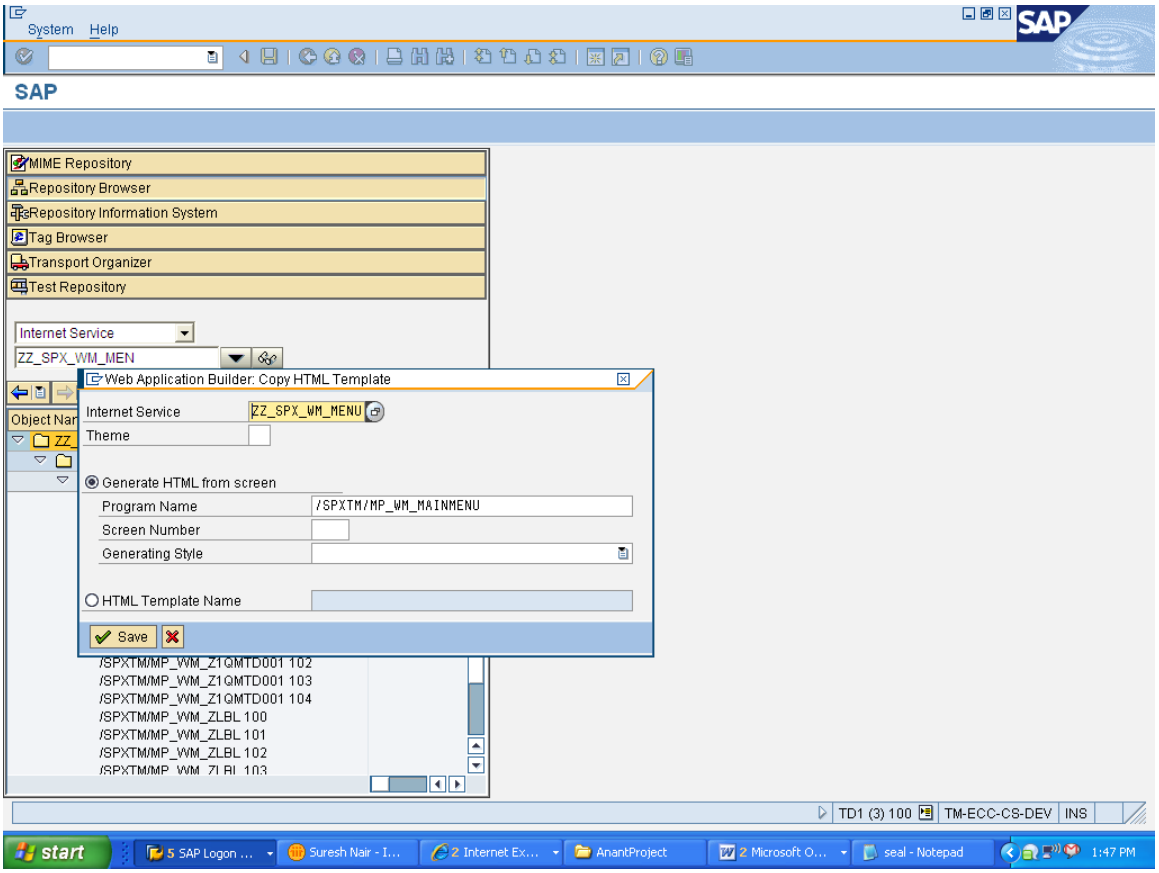


1) ~TRANSACTION : /SPXTM/WM
2) ~THEME : 99 it should be always ‘99’
3) ~ITSMOBILEDEVICEINCLUDE : DEVINCLUDE_SYMBOL3090
4) ~ITSMOBILE : 1
5) ~GENERATEDYNPRO : 0

After performing the above action Right click on ZZ_SPX_WM_MENU and create HTML pages

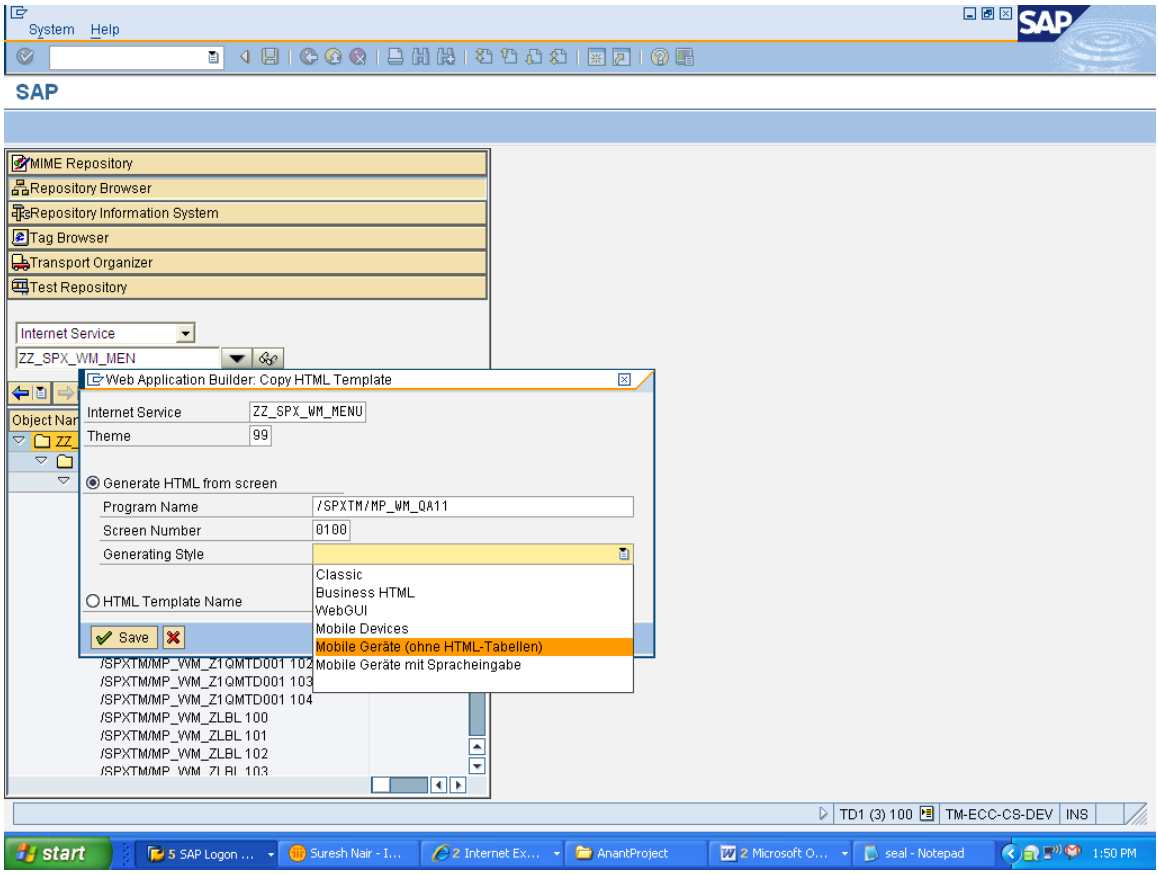
© 2009 SAP AG


Internet service Edit Goto Utilities(M) Environment System Help
Web Application Builder: Display Internet Service
Publish Parameters
Define interface parameters
MIME Repository
Repository Browser
Repository Information System
Tag Browser
Transport Organizer
Test Repository
Internet Service
ZZ_SPX_WM_MEN
Object Name
Description
Internet service
ZZ_SPX_WM_MENU
Saved/published
Attributes
Parameter
Value
0
1
DEVINCLUDE_SYMBOL3090
9
px
99
/SPXTM/WM
Create
Change
Display
Publish
Start Service
Copy...
Delete
Where-Used List
Write Transport Entry
Change Package Assignment
Start Transaction
Other Functions
Service
Theme
Template
MIME
Language-Specific Mime
TD1 (3) 100
TM-ECC-CS-DEV
INS
start
1:46 PM

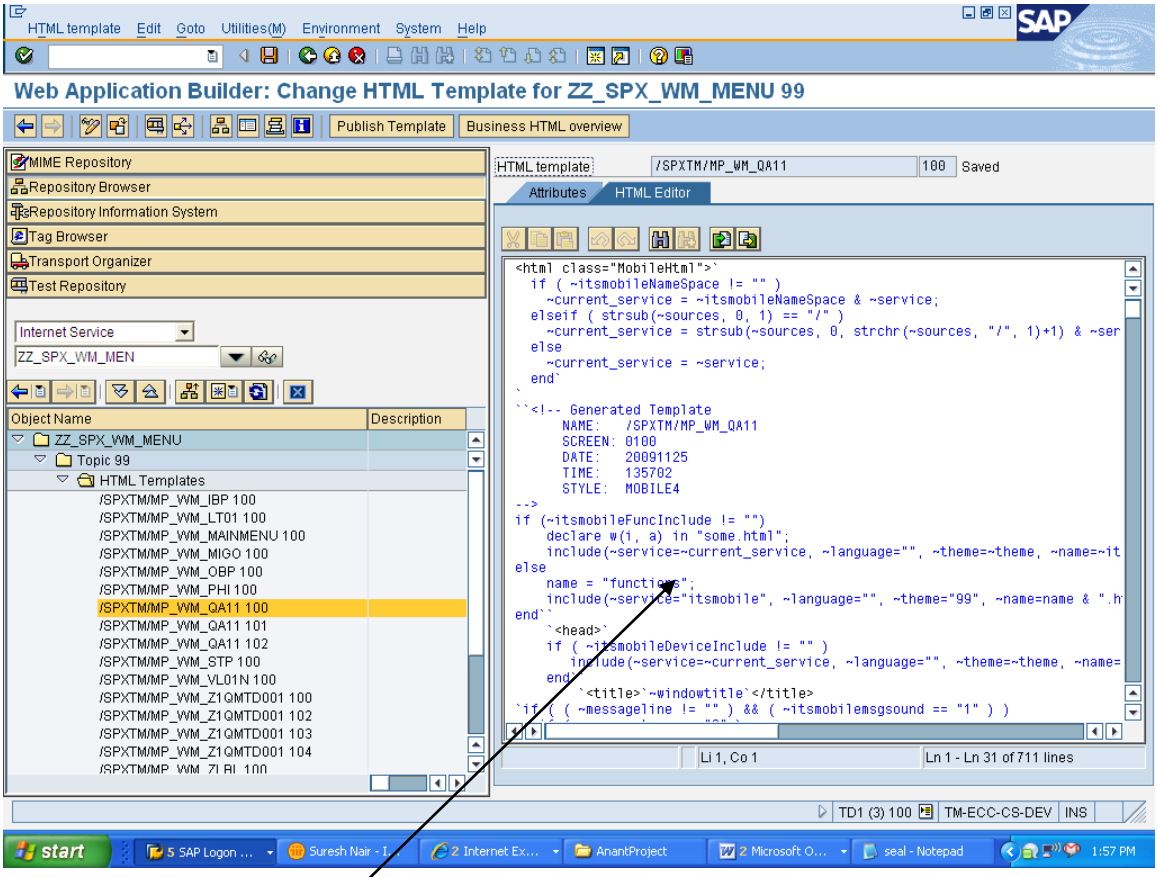

System Help
SAP
MIME Repository
Repository Browser
Repository Information System
Tag Browser
Transport Organizer
Test Repository
Internet Service
ZZ_SPX_WM_MEN
Web Application Builder: Copy HTML Template
Internet Service
ZZ_SPX_WM_MENU
Theme
Generate HTML from screen
Program Name
/SPXTM/MP_WM_MAINMENU
Screen Number
Generating Style
HTML Template Name
Save
/SPXTM/MP_WM_Z1QMTD001 102
/SPXTM/MP_WM_Z1QMTD001 103
/SPXTM/MP_WM_Z1QMTD001 104
/SPXTM/MP_WM_ZLBL 100
/SPXTM/MP_WM_ZLBL 101
/SPXTM/MP_WM_ZLBL 102
TD1 (3) 100
TM-ECC-CS-DEV
INS
start
1:47 PM

© 2009 SAP AG

Select the Theme and enter the program name, screen no and select the generating style



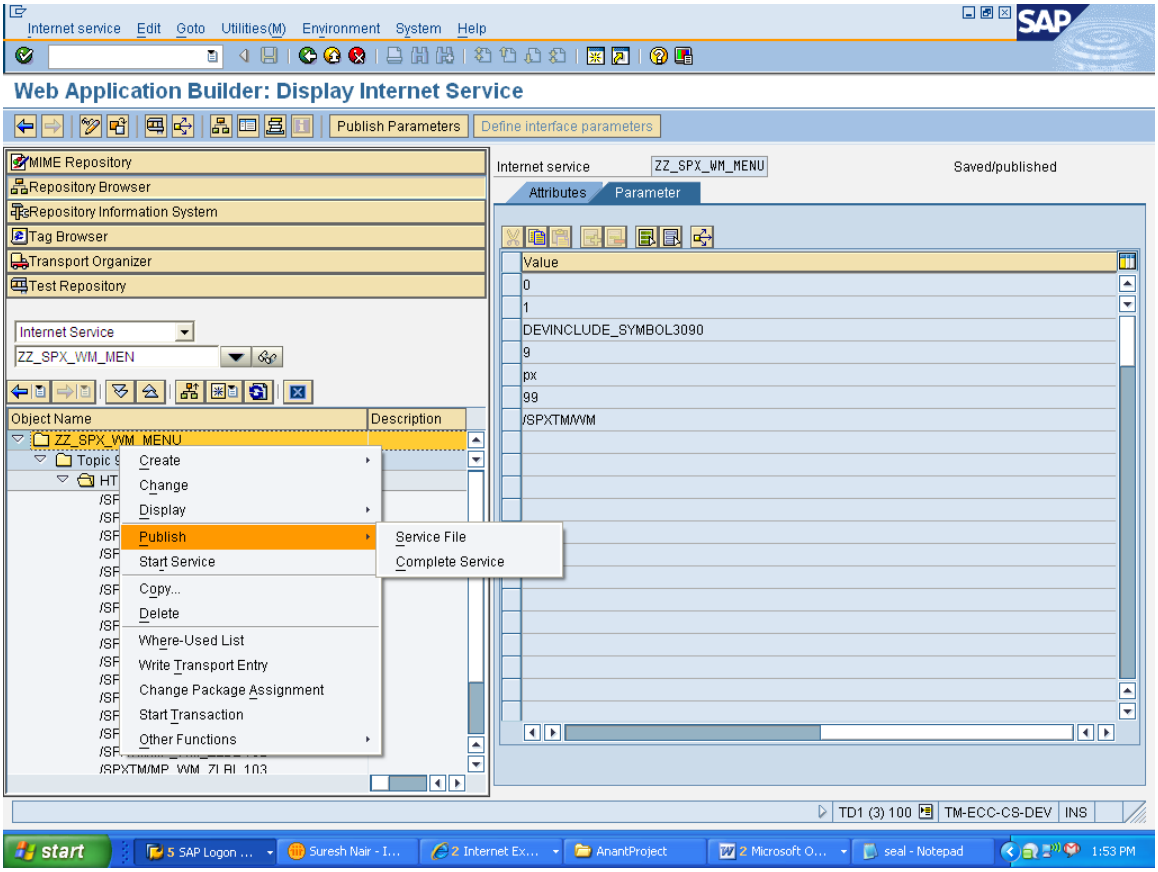
© 2009 SAP AG



HTML code generated by SAP

And click on Save Button like that you need to add all the module pool programs and screens. After adding just click on the Internet service “ZZ_SPX_WM_MENU” and publish the Service as well as Complete the service

© 2009 SAP AG



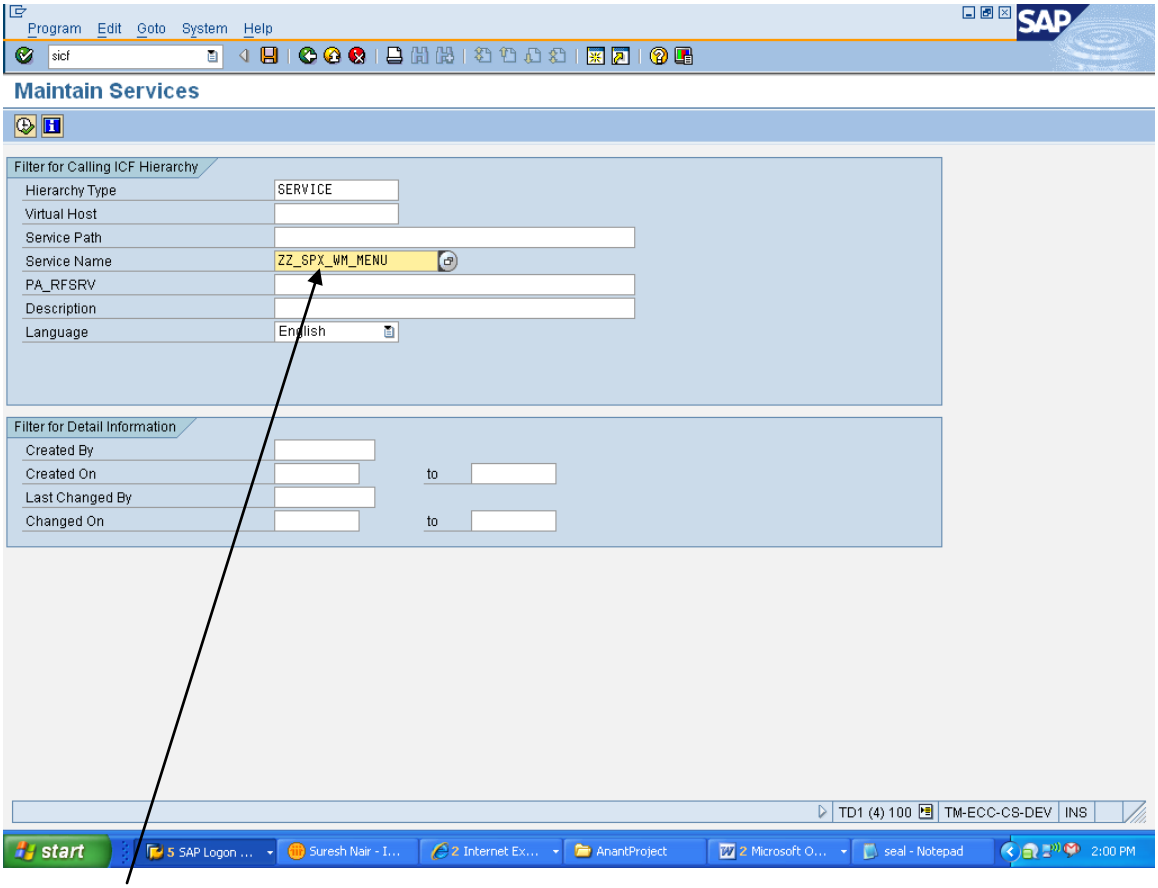
Publish the **Service File** and **Complete service**

© 2009 SAP AG

Check URL

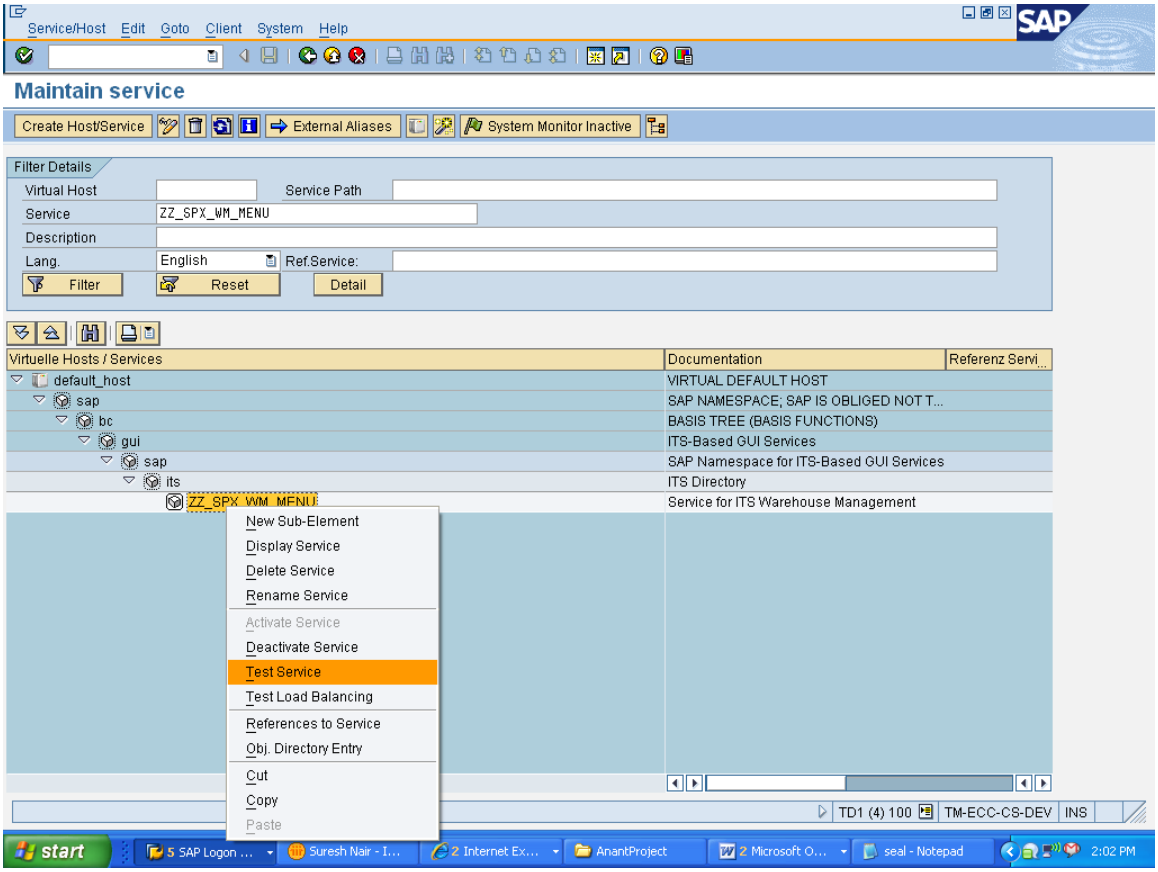
For checking wheather the URL is working or not

Goto **SCIF** tcod



Enter Service Name “ZZ_SPX_WM_MENU” and click on execute / F8

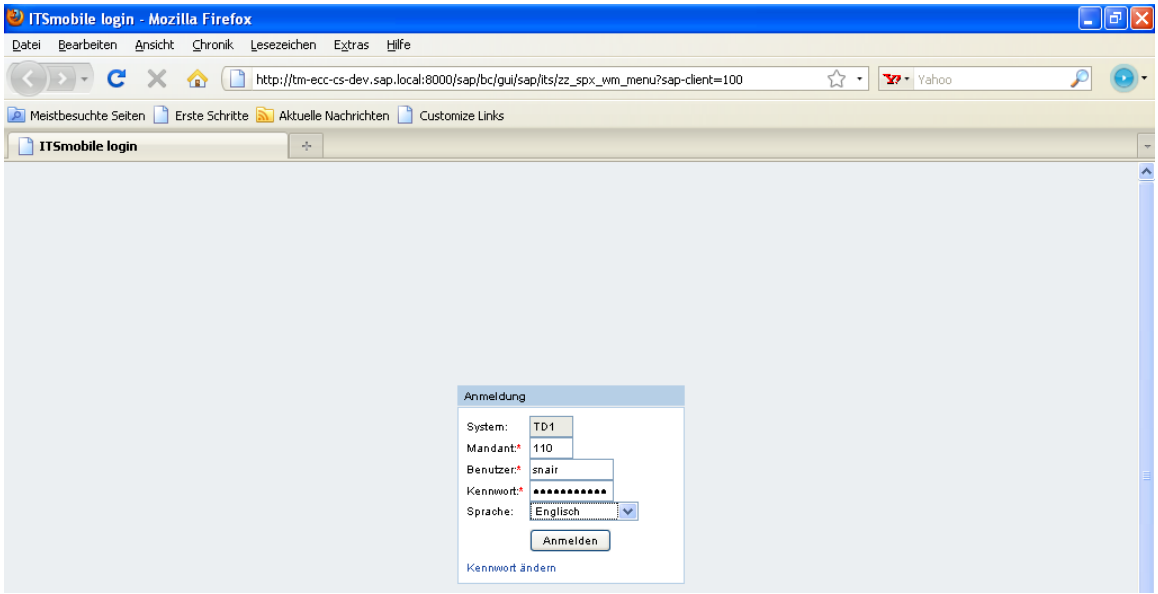
© 2009 SAP AG



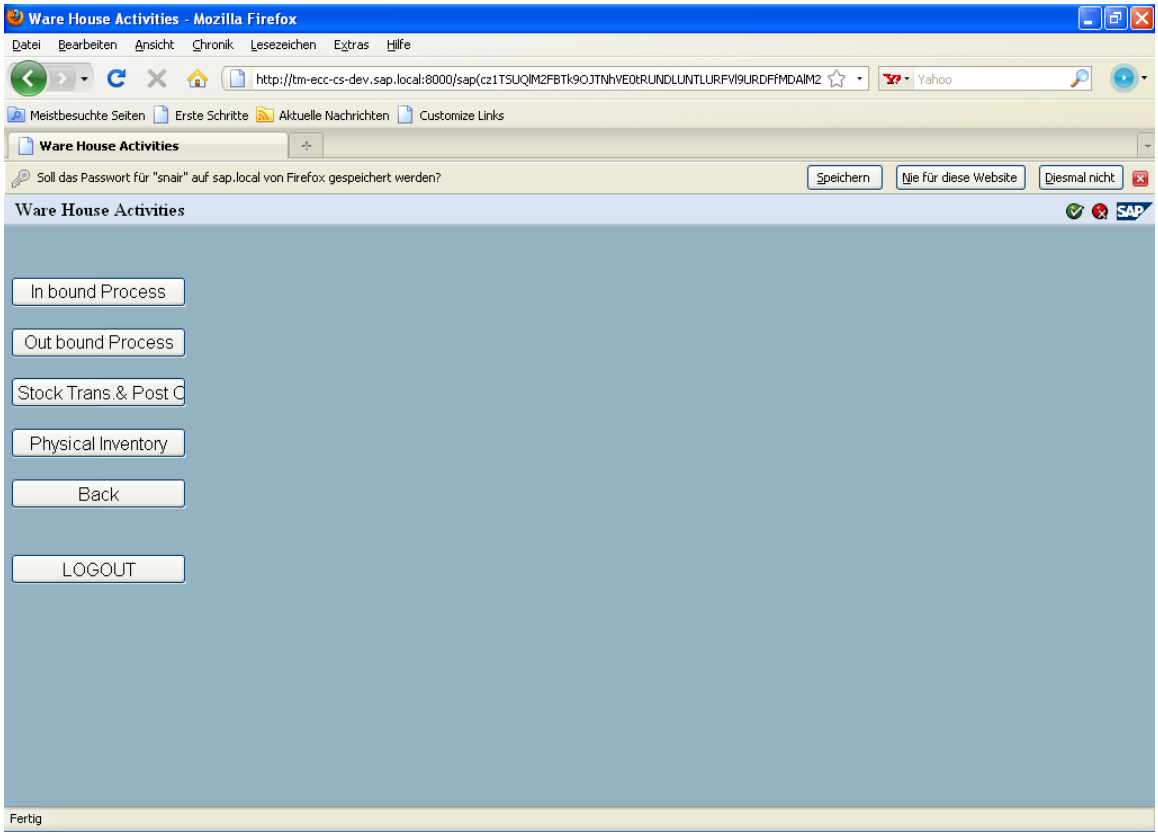
It should take you to the service, right click on the service, click on **TEST SERVICE**

© 2009 SAP AG

This should open your default browser, ask for login/ID and password please select client, enter your SAP UserID and password



If everything is fine the page should look as follows



© 2009 SAP AG

Disclaimer and Liability Notice

This document may discuss sample coding or other information that does not include SAP official interfaces and therefore is not supported by SAP. Changes made based on this information are not supported and can be overwritten during an upgrade.

SAP will not be held liable for any damages caused by using or misusing the information, code or methods suggested in this document, and anyone using these methods does so at his/her own risk.

SAP offers no guarantees and assumes no responsibility or liability of any type with respect to the content of this technical article or code sample, including any liability resulting from incompatibility between the content within this document and the materials and services offered by SAP. You agree that you will not hold, or seek to hold, SAP responsible or liable with respect to the content of this document.

© 2009 SAP AG