Former Member
June 27, 2012   2 minute read

How to Configure WEB-GUI for SAP

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Summary

The purpose is this document is to show step by step to configure webgui for SAP Netweaver . Applies to SAP Netweaver R/3 System

Author: Priyashantha Fernando
Company: CPSTL – Sri Lanka

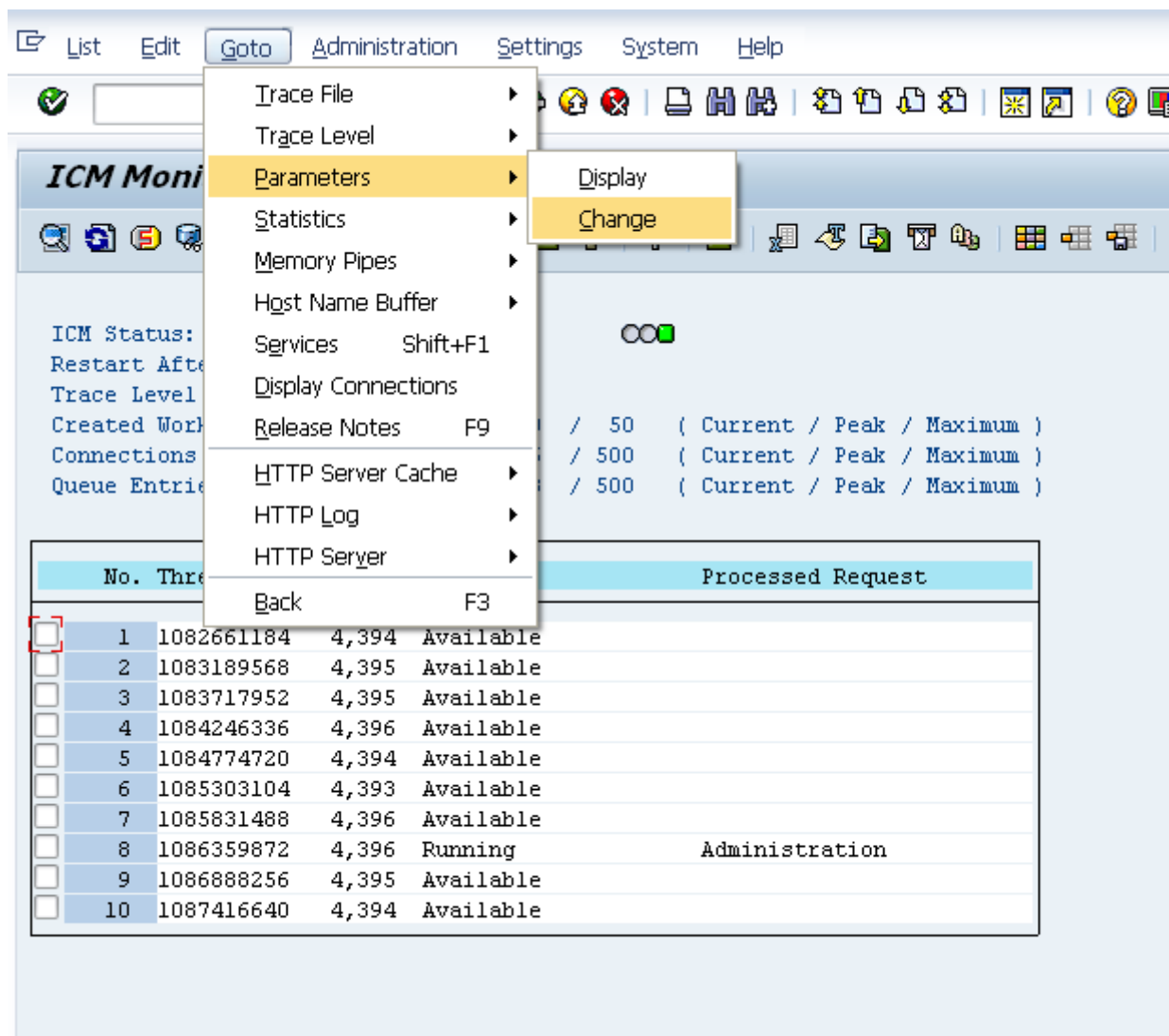# Step 1: Verifying the configuration parameters for ICM.

Use Transaction SMICM (ICM Monitor).
Displays the ICM configuration and monitoring. Make sure it is running. Check the following ICM parameters.

[Menu-> Goto -> Parameters ->Display]

1. **icm/server_port_0 PROT=HTTP,PORT=8000**
2. **icm/host_name_full <Full Qualified Domain Name>**
3.

I will use the domain name as testp1.bomain.cpstl

Following parameters should be checked.

```
ICM Parameter

Services
_____

  ┌
icm/server_port_0      = PROT=HTTP,PORT=8000
icm/server_port_1      = PROT=SMTP,PORT=0

Misc
____

icm/host_name_full        ████████████████████████
icm/cancel_strategy        = cancel requests without session (stateless)
rdisp/plugin_auto_logout   = 1800
is/HTTP/virt_host_0        = *:*;
is/SMTP/virt_host_0        = *:*;
```

Step 2: Activate Required Services:

Following 3 services need to be enabled.

1. /default_host/sap/bc/gui/sap/its/webgui
2. /default_host/sap/public/bc/ur
3. /default_host/sap/public/bc/its/mimes

Use Tcode 'SICF' to enable services. Then execute it to show the services trees.

Maintain Services

Filter for Calling ICF Hierarchy

Hierarchy Type	SERVICE
Virtual Host	
Service Path	
Service Name	
PA_RFSRV	
Description	
Language	English

Filter for Detail Information

Created By		
Created On		to
Last Changed By		
Changed On		to

Then activate the mentioned services according to the below guide.

1. /default_host/sap/bc/gui/sap/its/webgui
2. /default_host/sap/public/bc/ur
3. /default_host/sap/public/bc/its/mimes

Right click on the relevant service and then activate it.
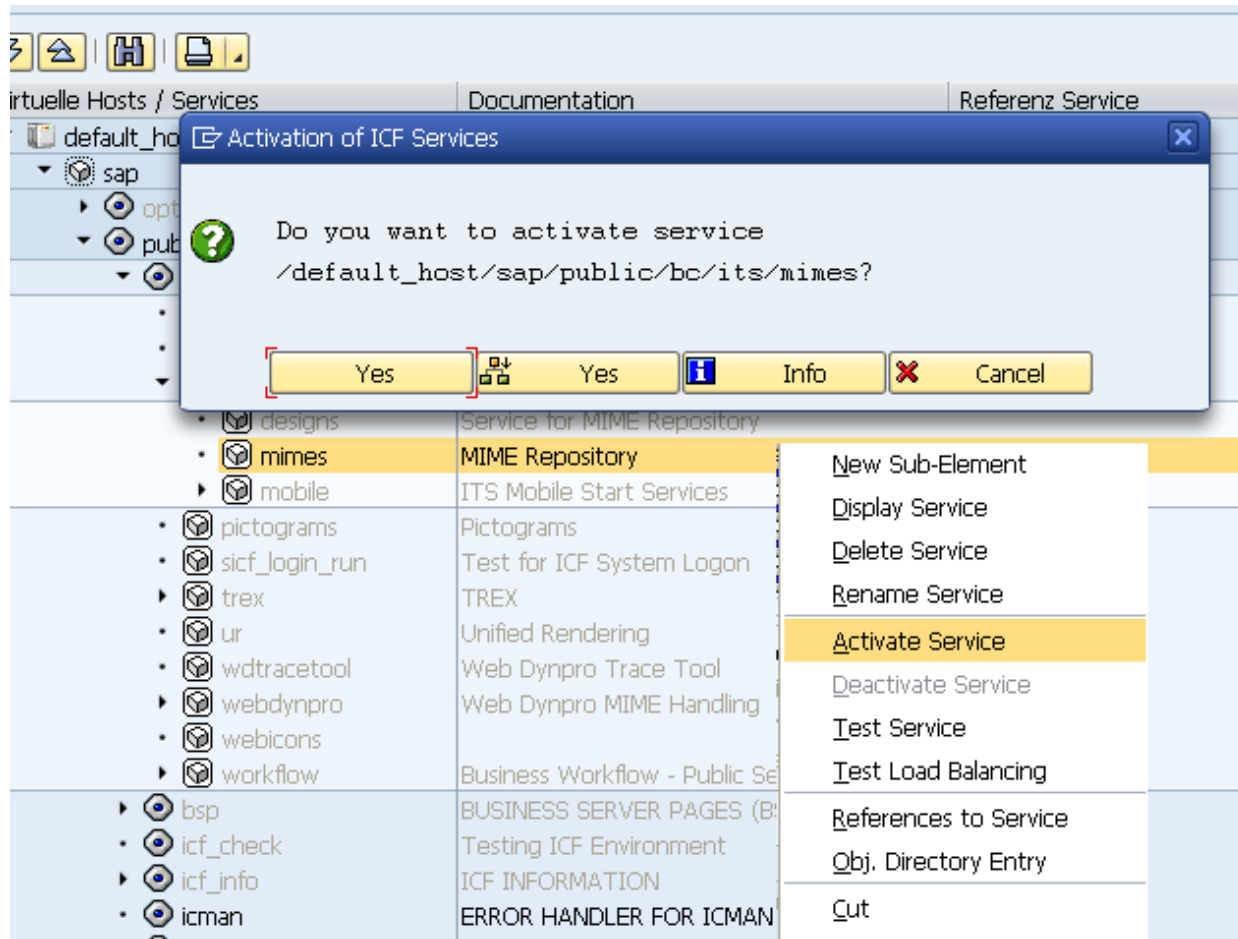
Step 3: Publishing Services:

Run T-Code SIAC_PUBLISH_ALL_INTERNAL to activate the services. Will take few minutes. While running it will show the status message like:

163/690 --- Publishing Service: GRM_WRAPPER

Finally the following screen can be seen.

Display logs
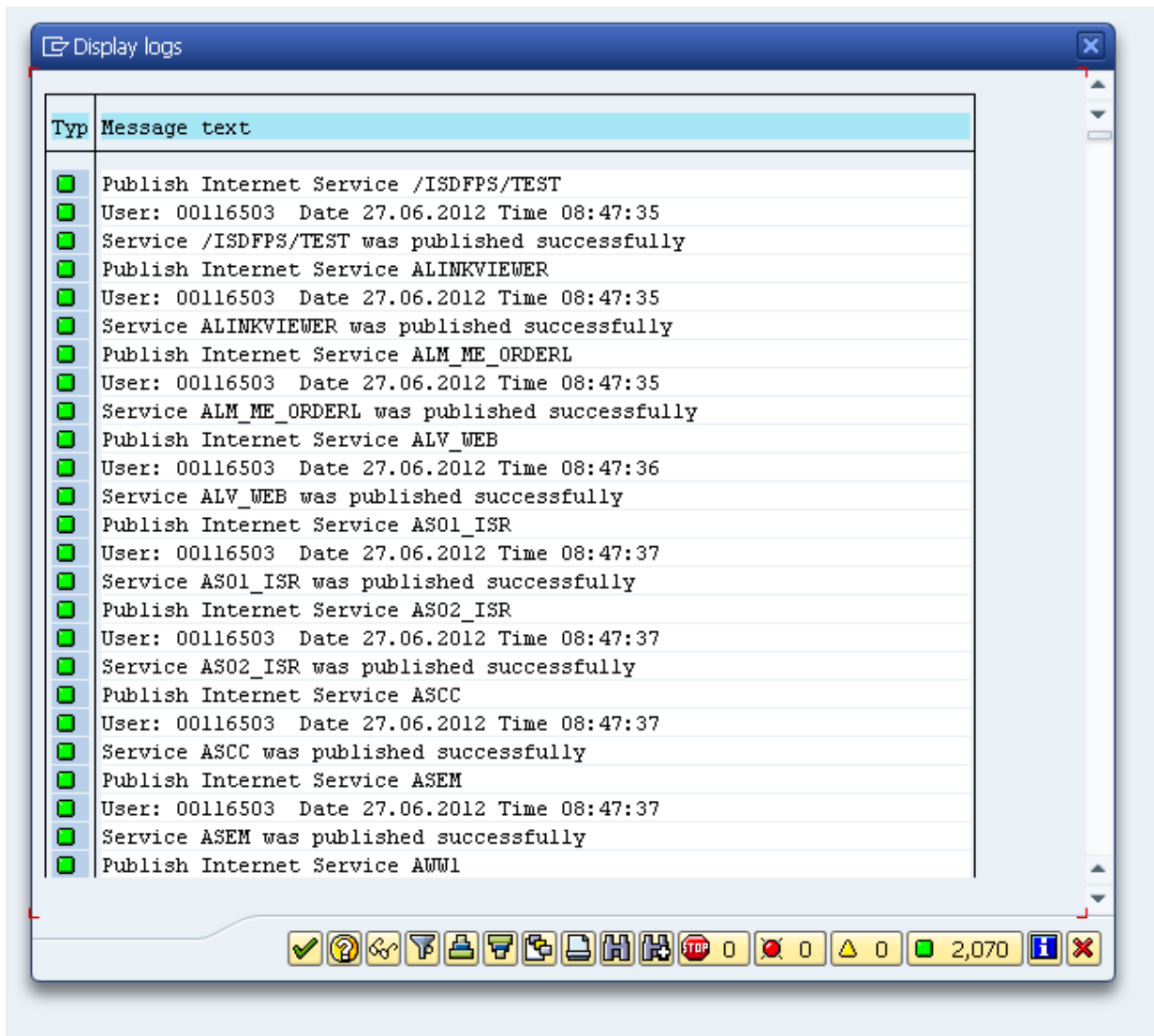
Typ	Message text
🟩	Publish Internet Service /ISDFPS/TEST
🟩	User: 00116503 Date 27.06.2012 Time 08:47:35
🟩	Service /ISDFPS/TEST was published successfully
🟩	Publish Internet Service ALINKVIEWER
🟩	User: 00116503 Date 27.06.2012 Time 08:47:35
🟩	Service ALINKVIEWER was published successfully
🟩	Publish Internet Service ALM_ME_ORDERL
🟩	User: 00116503 Date 27.06.2012 Time 08:47:35
🟩	Service ALM_ME_ORDERL was published successfully
🟩	Publish Internet Service ALV_WEB
🟩	User: 00116503 Date 27.06.2012 Time 08:47:36
🟩	Service ALV_WEB was published successfully
🟩	Publish Internet Service AS01_ISR
🟩	User: 00116503 Date 27.06.2012 Time 08:47:37
🟩	Service AS01_ISR was published successfully
🟩	Publish Internet Service AS02_ISR
🟩	User: 00116503 Date 27.06.2012 Time 08:47:37
🟩	Service AS02_ISR was published successfully
🟩	Publish Internet Service ASCC
🟩	User: 00116503 Date 27.06.2012 Time 08:47:37
🟩	Service ASCC was published successfully
🟩	Publish Internet Service ASEM
🟩	User: 00116503 Date 27.06.2012 Time 08:47:37
🟩	Service ASEM was published successfully
🟩	Publish Internet Service AWW1

STOP 0   🔴 0   ⚠ 0   🟩 2,070

STEP 4: Login In to the SAP GUI though Web

Type one of the following URLin the web browser

1. http://**<IP>:**8000/sap/bc/gui/sap/its/webgui
2. http://**testp1.bomain.cpstl:**8000/sap/bc/gui/sap/its/webgui

Then the login screen will come.

Then ask you to provide the username and password. Login an roam in to the SAP

Refecence : **SAPNOTE 517484**

Assigned tags

NW AS Java Administrator (NWA) | gui | webgui |

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Former Member

July 13, 2012 at 5:51 am
Nice dovument

Like (0)

Former Member

January 22, 2013 at 11:21 pm

Hi, this works if I want to access from a external network using a public ip?

Like (0)

Steve Rumsby

January 22, 2013 at 11:26 pm

If your server is accessible from a public IP, yes. That depends on your organization's network configuration, firewalls, etc. I need to use a vpn to access the webgui from outside.

Like (0)

Former Member

January 22, 2013 at 11:46 pm

Yes my server is accessible through sap router, so i think is possible, but I have tried with the configuration above but doesn't work, I am using the port 81 instead of 8000 I dont know if this can be the problem, I made a port forwarding rule in my router, in wich redirect all the trafic from the public IP with port 81 to the LAN ip of my server.

http://<public IP>:81/sap/bc/gui/sap/its/webgui/

What else can I do?

Like (0)

Steve Rumsby

January 23, 2013 at 9:07 am

The router forwarding rule will need to forward traffic arriving on port 81 to port 8000 on the internal server IP. Is that what you have? If so, it does sound like it should work. If it still doesn't, then I must be misunderstanding your network config. I'm not sure what else I can suggest.

Steve.

Like (0)

Former Member

January 23, 2013 at 8:48 pm

OK let me try I´ll let you know if that works.

Thank you

Like (0)

Former Member

May 7, 2014 at 8:11 pm

You should use a Webdispatcher for that.

Like (0)

Former Member | Post author

October 28, 2015 at 10:30 am

Hi Gabriel Lopez.

you definitely can be access it though the public IP if you can configure the system to a public IP or if you have a firewall then You can have a NAT.

There are many ways to fulfill your requirement its not hard, let explain your situation.

Thanks

Dny Koma

January 23, 2013 at 3:19 pm

nice work

Former Member

May 31, 2013 at 5:28 am

superb document ....

Thanks a lot .... I have configured web-gui using this document.

Regards

Yogesh Garg

Former Member

July 8, 2013 at 2:35 pm

nice document, thank you

Former Member

Hi,

We want to reach webgui with ip address. http://10.14.7.125/...

Login screen is ok, but i fill the login/password and try to logon, i get the login screen empty.

In the Google Chrome Development Tools can be seen this:

set-cookie: MYSAPSSO2=AjE0MDEBAAxTQUx.......fd; path=/; domain=.14.7.125

This domain is wrong.

Can anyone help me?

Thanks!

Like (0)

Former Member

Hi,

I have faced this issue accesing by IP instead of Hostname.

Please try with hostname.

Cheers.

Like (0)

Former Member

August 29, 2013 at 3:03 pm

I found many articles, that ip address is ok.

For example this one: http://scn.sap.com/docs/DOC-29485

But i didn't find correct answer this question! 🙁

Like (0)

Former Member

August 31, 2013 at 2:05 am

I don't think Google Chrome is supported, try IE should be fine..........

Like (0)

Akintunde Odenuga

February 16, 2017 at 6:14 pm

Hi Zoltan,

I have the same issue you are going through, pls how did you resolve it.

Thank You

Like (0)

Former Member

August 29, 2013 at 4:27 pm

Very useful doc!!!

Regards,

Himanshu

Like (0)

Former Member

August 31, 2013 at 10:15 am

Thanks for sharing useful information

Regards

Amit

Like (0)

Former Member

Nice topic, so I think that if you change any thing in the SMICM parameters (RZ10), you will need to restart of SAP Server, right ?

Like (0)

Former Member | Post author

Basically there are 2 types of parameters in sap:

- Static
- Dynamic

Static parameters won't take effect when immediately the value is set. Restart of an sap system is required for them to take effect.

Dynamic parameters will take effect immediately in the run time.Restarting the SAP is not needed to to take effects.Parameter can be differentiated whether it is dynamic or static by checking in RZ11 transaction of SAP.

regards 🙂

Priyan

Like (0)

Former Member

Hi Anderson,

When you change the ICM parameters, you don't need to restart the complete instance for the change to take effect. All you need to do is restart ICM by executing Tcode SMICM Administration->ICM->Exit hard->Global. This will restart ICM in matter of 2 seconds and there won't be a downtime of the server.

Regards,

Yashith

Former Member

September 9, 2013 at 8:23 am

Good Article ..Simple and straightforward document....

Kind Regard,

Jacob

Former Member

September 22, 2013 at 8:46 am

Hi,

Good Document Thank you for sharing it. 🙂

and

How to Configure load balancing with WebGui.

Thanks in advance.

Maruthi.

Former Member

Hi Maruti,

I think you can call message server directly with the URL http://<ms_host>:<ms_http(s)_port>/sap/bc/gui/sap/its/webgui for load balancing webgui. In the URL, determine ms_http(s)_port by the value of parameter ms/server_port_<xx>. You will need to maintain that parameter if its not found in RZ10.

Eg: – http://test.domain.com:8100/sap/bc/gui/sap/its/webgui where,

test.doamin.com is the fully qualified domain name of message server host

8100 is the message server http port (by parameter ms/server_port_0 = PROT=HTTP, PORT=8100)

Note – You can also use sap web dispatcher for load balancing.

Regards,

Yashith

Former Member

Thank you. 🙂

shyam kumar

September 23, 2013 at 3:44 pm

Hey,

Very nice info.. thanks a lot for sharing..

Regards,

Shyam Kumar

Like (0)

Eduardo Rezende

September 24, 2013 at 7:14 pm

Good document.

Like (0)

Former Member

September 25, 2013 at 9:11 am

Thanks for sharing.

Naga

Like (0)

Ravikumar dasaraju

September 27, 2013 at 9:18 am

Nice Document.

Ravi.

Like (0)

Jörg Brockmann

September 30, 2013 at 5:27 pm

thanks, very helpful !

Like (0)

Former Member

October 3, 2013 at 7:29 am

Useful document.

Naresh

Like (0)

Former Member

October 11, 2013 at 7:47 pm
Crisp and crystal clear 🙂

Like (0)

Former Member

December 13, 2013 at 9:56 pm
Worked Fine but, one server i got (You are calling this web site with a browser that is not supported)

Like (0)

Former Member

December 20, 2013 at 2:53 pm
May be you are using IE 11....Correct?

Like (0)

Former Member | Post author

February 12, 2014 at 10:35 am
not only IE. Other new browsers also supporting.l

Like (0)

Former Member

January 8, 2014 at 6:15 pm
Very useful, thank you. Excellent...

Former Member

January 8, 2014 at 8:38 pm

nice work. Thanks.

Former Member

January 10, 2014 at 4:50 pm

Hi,

What should I do in order to hide the URL from the outside. I'm already using a rule file using the parameter.`icm/HTTP/mod_0 = PREFIX=/,FILE=$(DIR_GLOBAL)/security/data/icm_filter_rules.txt`

When I call the webgui client using https://server.domain.com/weburl it takes me to the real URL instead of keeping the weburl that I'm using to filer (mask) the real URL.

Thanks

Zerandib @

February 8, 2014 at 5:34 am

Good document... very helpful !

Like (0)

Shanaka Chandrasekera

February 12, 2014 at 3:14 am

Thanks Priyashantha for sharing this 🙂

Like (0)

Former Member

February 27, 2014 at 9:24 pm

Thanks, excelent document

Like (0)

Former Member

February 28, 2014 at 4:47 am

Excellent document!!! Thanks for sharing 🙂

Like (0)

Former Member

March 1, 2014 at 12:03 pm

Nice Document. Thanks for sharing

Like (0)

Former Member

March 13, 2014 at 2:04 am

Pretty good document.

Thank you..

Like (0)

Former Member

August 15, 2014 at 6:43 am

Thanks for sharing!good jop !!!

Like (0)

Former Member

August 28, 2014 at 1:31 pm

Appreciate you efforts for preparing the doc. So helpful.

Like (0)

Willi Eimler

August 29, 2014 at 3:00 pm

Thanx!

Like (0)

Cameron SID

September 19, 2014 at 7:27 am

Nice 🙂

Like (0)

Former Member

March 27, 2015 at 5:54 am

Nice thanx for the great doc.

looking to configure when needed.

Like (0)

Former Member

May 8, 2015 at 4:47 am

Very useful document. Steps are clear and easy. This solved my problem.

Like (0)

Former Member

May 26, 2015 at 9:40 am

Its a nice explanation hope this works as i am not able to get the gateway .

Regards

Debasis Nayak

Like (0)

Igor Spector

July 6, 2015 at 6:59 am

Thank you for wonderful explanation.

After providing user and password I get empty page with "bad request" message .

All services are active .

What could be a problem?

Thank you and best regards,

Igor Spector

Akintunde Odenuga

February 16, 2017 at 6:16 pm

Hi Igor,

I am also having the same issue as you, pls how did you solve the problem.

Raj Kumar Reddy

August 7, 2015 at 8:15 pm

Nice doc!

Former Member

September 1, 2015 at 4:01 pm

Useful document !!! .

I have one clarification. while adding Languages for WEB UI Logon , do we need to add Language even in /default_host/sap/public/bc/ur ?

Like (0)

Rahul Patki

September 1, 2015 at 5:39 pm

Nice document!!

Like (0)

Former Member

February 9, 2016 at 6:11 am

Thanks for the document very helpful!! 🙂

Like (0)

Antonio Voce

October 27, 2016 at 4:28 pm

If I use ip address instead of FQDN ,when I put username and password the SAP system show again the request of username and password with blank field....with FQDN the sap web gui work fine.
I need to use the ip address for network prerequisite (IPAD on VPN)

Please advise me!

TKS Antonio Voce.

Like (0)

Akintunde Odenuga

February 16, 2017 at 6:17 pm

Hi Antonio,

I am having the same issue as you.

Please how did you resolve it.

Thank You

Like　(0)

Antonio Voce

May 25, 2017 at 3:22 pm

unfortunatelly not solved.

Like　(0)

Former Member

November 5, 2016 at 2:51 pm
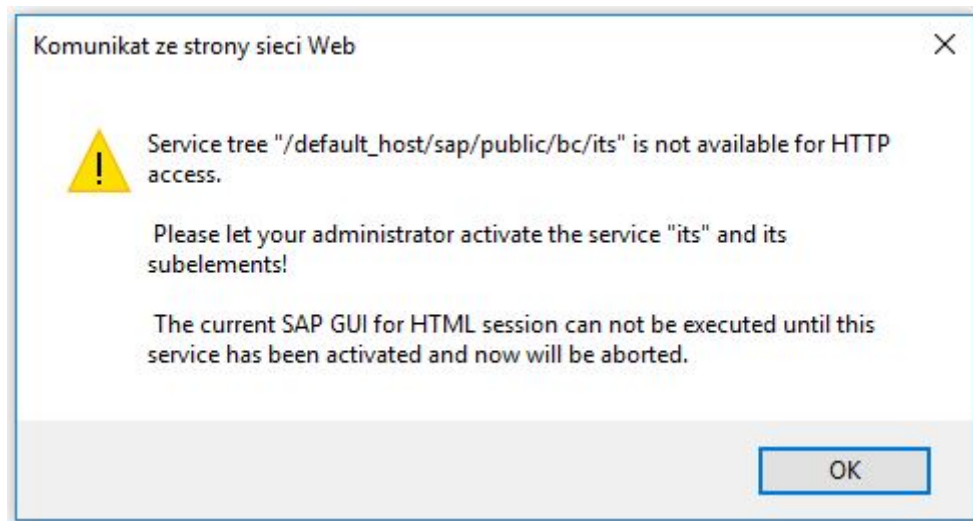
How to login to AS Java? What will be the web address?
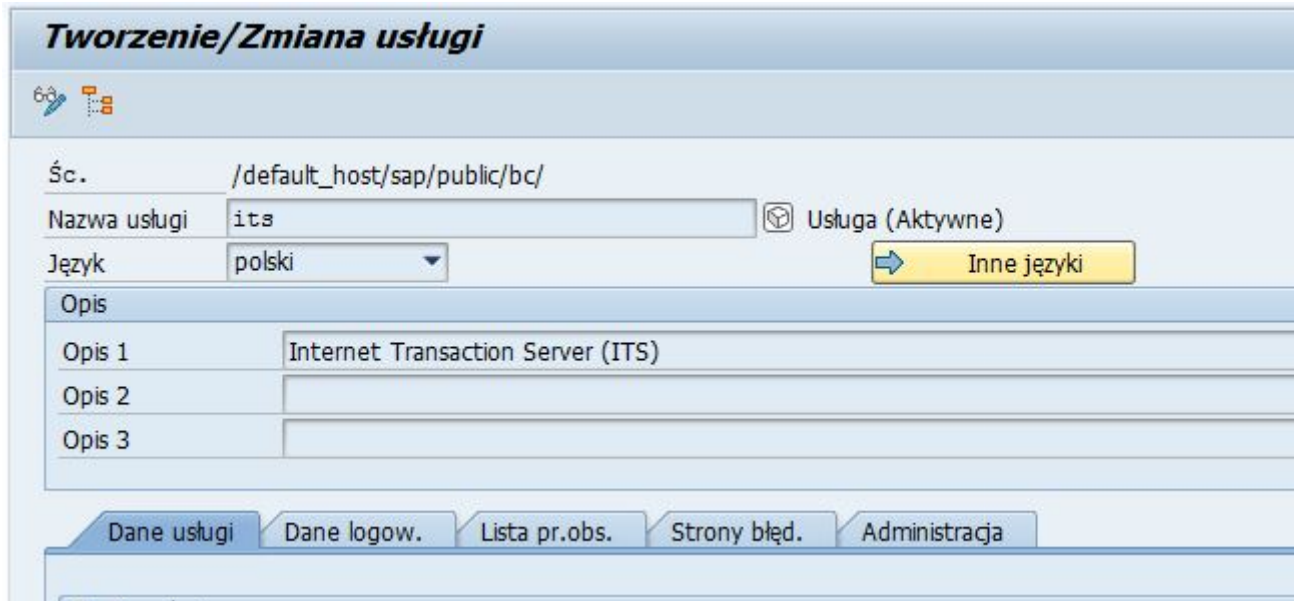
Like　(0)

Mieczyslaw Kaczor

October 27, 2017 at 1:45 pm

Hi All,

I configured all, first ppage witch login screenis fine, but when I try login to my system i have the error:

this service is activated:

could You help me, please

best regards
Mietek

Like (0)

Asad S Zafer

March 11, 2018 at 5:25 pm

Nice Document.

Like (0)

NICOLA POISA

March 28, 2019 at 3:05 pm

Nice document.

I'm able to log in.

I'm able to navigate into the folder tree.

But now how can I do to "double click" the transaction code ?

For example , found the VA01 transaction, but I'm unable to start it….

(we hide the navigation bar to have a "lean" screen for salesman..)

Like (0)

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