

## Connecting IOS, ANDROID to LIQUID UI SERVER

### Purpose:

Connecting Android/IOS Devices to LIQUID UI SERVER.

### Note:

The Following Files need to be configured in Order to Connect to the LIQUID UI SERVER.

- “Saproxy.ini”.
- “guixt.sjs”.

### Steps:

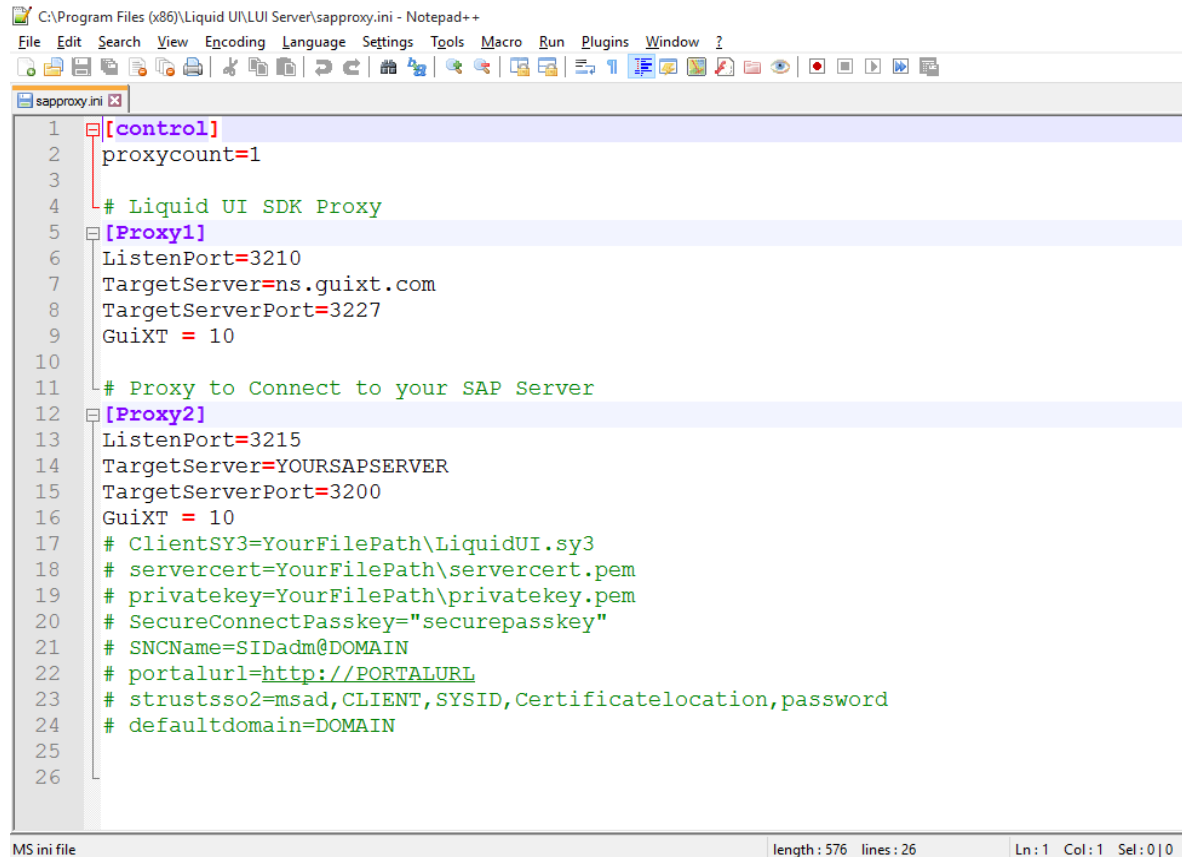
Following are the Steps that Illustrates the connecting of IOS and Android Devices to LIQUID UI Server.

Before connecting to LIQUID UI SERVER we need to configure the Following Files.

#### 1. Configuration of “SAPPROXY.INI”:

SAPPROXY.INI File Consists of the following

Listenport, TargetServer, TargetServerport, GuiXT 10 (Instance Number).

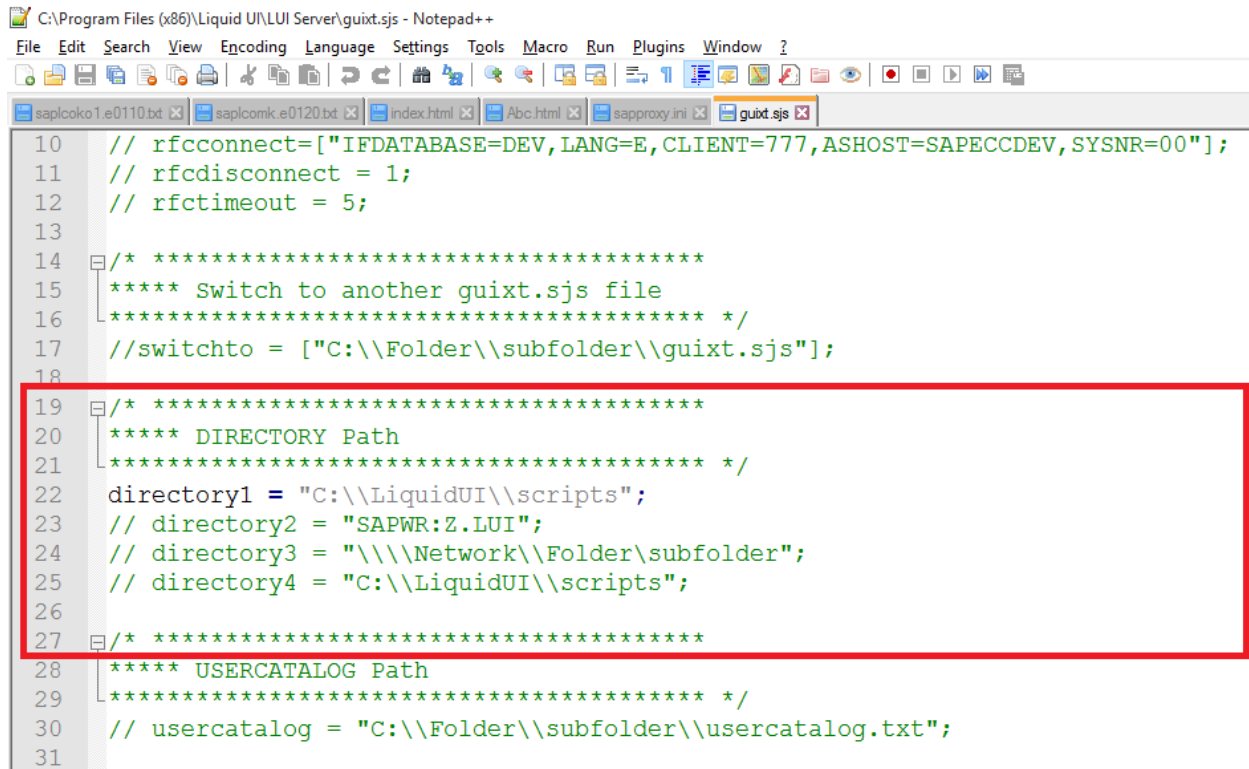


```
C:\Program Files (x86)\Liquid UI\LUI Server\saproxy.ini - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
sapproxy.ini
1 [control]
2 proxycount=1
3
4 # Liquid UI SDK Proxy
5 [Proxy1]
6 ListenPort=3210
7 TargetServer=ns.guixt.com
8 TargetServerPort=3227
9 GuiXT = 10
10
11 # Proxy to Connect to your SAP Server
12 [Proxy2]
13 ListenPort=3215
14 TargetServer=YOURSAPSERVER
15 TargetServerPort=3200
16 GuiXT = 10
17 # ClientSY3=YourFilePath\LiquidUI.sy3
18 # servercert=YourFilePath\servercert.pem
19 # privatekey=YourFilePath\privatekey.pem
20 # SecureConnectPasskey="securepasskey"
21 # SNCName=SIDadm@DOMAIN
22 # portalurl=http://PORTALURL
23 # strustsso2=msad,CLIENT,SYSID,CertificateLocation,password
24 # defaultdomain=DOMAIN
25
26
MS ini file length: 576 lines: 26 Ln: 1 Col: 1 Sel: 0 | 0
```

## Configuration of “guixt.sjs”:

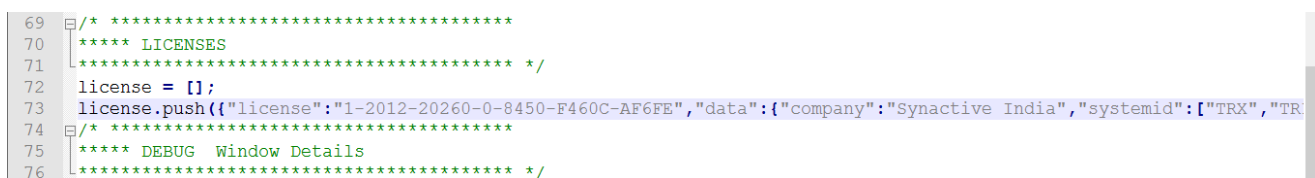
In “guixt.sjs” file we need to do the following.

Configuring the Directory path.



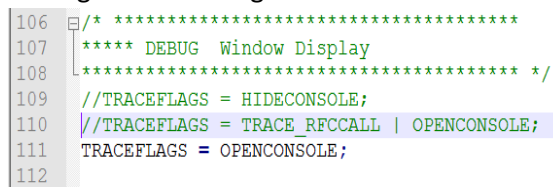
```
10 // rfcconnect=["IFDATABASE=DEV,LANG=E,CLIENT=777,ASHOST=SAPECCDEV,SYSNR=00"];
11 // rfcdisconnect = 1;
12 // rfctimeout = 5;
13
14 /* *****
15 ***** Switch to another guixt.sjs file
16 ***** */
17 //switchto = ["C:\\Folder\\subfolder\\guixt.sjs"];
18
19 /* *****
20 ***** DIRECTORY Path
21 ***** */
22 directory1 = "C:\\LiquidUI\\scripts";
23 // directory2 = "SAPWR:Z.LUI";
24 // directory3 = "\\Network\\Folder\\subfolder";
25 // directory4 = "C:\\LiquidUI\\scripts";
26
27 /* *****
28 ***** USERCATALOG Path
29 ***** */
30 // usercatalog = "C:\\Folder\\subfolder\\usercatalog.txt";
31
```

Add License



```
69 /* *****
70 ***** LICENSES
71 ***** */
72 license = [];
73 license.push({"license":"1-2012-20260-0-8450-F460C-AF6FE","data":{"company":"Synactive India","systemid":["TRX","TR"]});
74 /* *****
75 ***** DEBUG Window Details
76 ***** */
```

Setting the Trace Flags to true “OPEN CONSOLE” for making Cornelius window visible



```
106 /* *****
107 ***** DEBUG Window Display
108 ***** */
109 //TRACEFLAGS = HIDECONSOLE;
110 //TRACEFLAGS = TRACE_RFCCALL | OPENCONSOLE;
111 TRACEFLAGS = OPENCONSOLE;
112
```

## **Starting the LIQUID UI SERVER:**

We can start the LIQUID UI SERVER in mainly two ways

- Starting the Synactive R/3 Proxy service  
Services.msc -> Synactive R/3 Proxy -> Start
- Opening the "Consolemode.bat"  
C:\Program Files (x86) \Liquid UI\LUI Server\ConsoleMode.Bat.

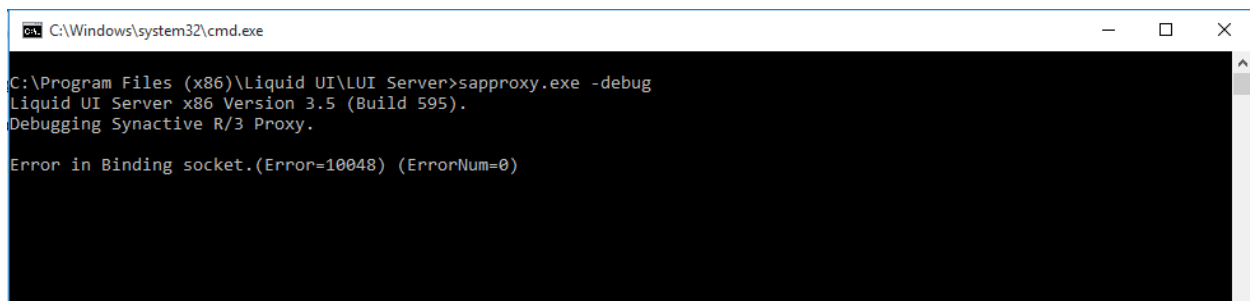
### **Note:**

We can start the LIQUID UI SERVER from any of the way as Shown above.

Either through the Services.msc or through the Consolemode.bat

we cannot start Both at the same time.

It will show the error as shown below, if the Liquid UI Server is Started from both the ways.



```
C:\Windows\system32\cmd.exe

C:\Program Files (x86)\Liquid UI\LUI Server>saproxy.exe -debug
Liquid UI Server x86 Version 3.5 (Build 595).
Debugging Synactive R/3 Proxy.

Error in Binding socket.(Error=10048) (ErrorNum=0)
```

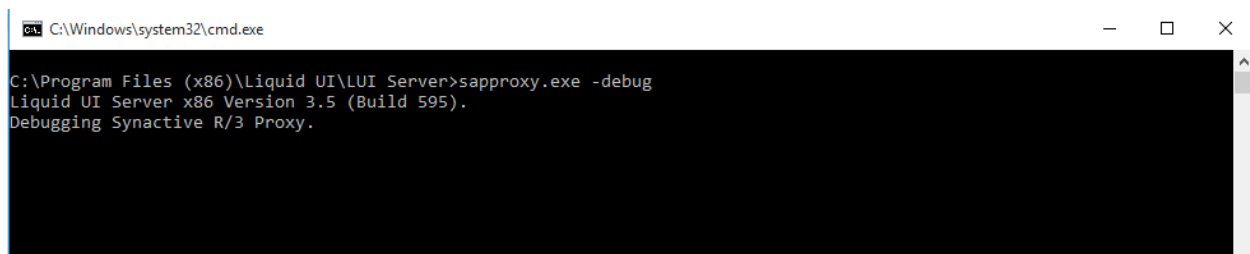
### **Solution:**

Open the Services.msc and Stop Synactive R/3 Proxy.

Services.msc->Synactive R/3 Proxy->Stop.

Now start the "ConsoleMode.bat" which can be find as follows.

C:\Program Files (x86) \Liquid UI\LUI Server\ConsoleMode.bat.



```
C:\Windows\system32\cmd.exe

C:\Program Files (x86)\Liquid UI\LUI Server>saproxy.exe -debug
Liquid UI Server x86 Version 3.5 (Build 595).
Debugging Synactive R/3 Proxy.
```

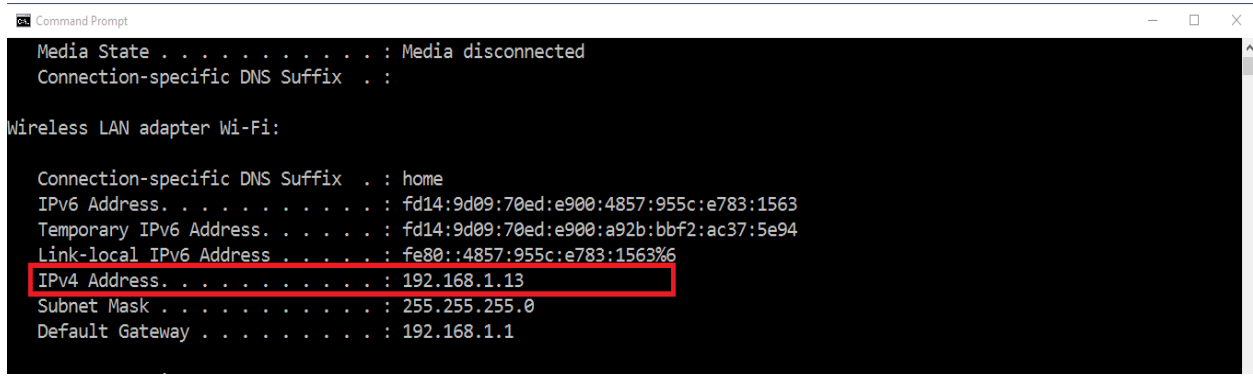
Before connecting the Devices to the LIQUID UI SERVER, we need to Edit the Connection Parameters of the Device according to the Machine

Such as IP Address, Instance Number, Client, Username, Password and Language etc.

## **Following are the Steps:**

### **Step 1:** (Knowing the IP Address of the Machine)

Open Command Prompt type “ipconfig” and hit Enter.



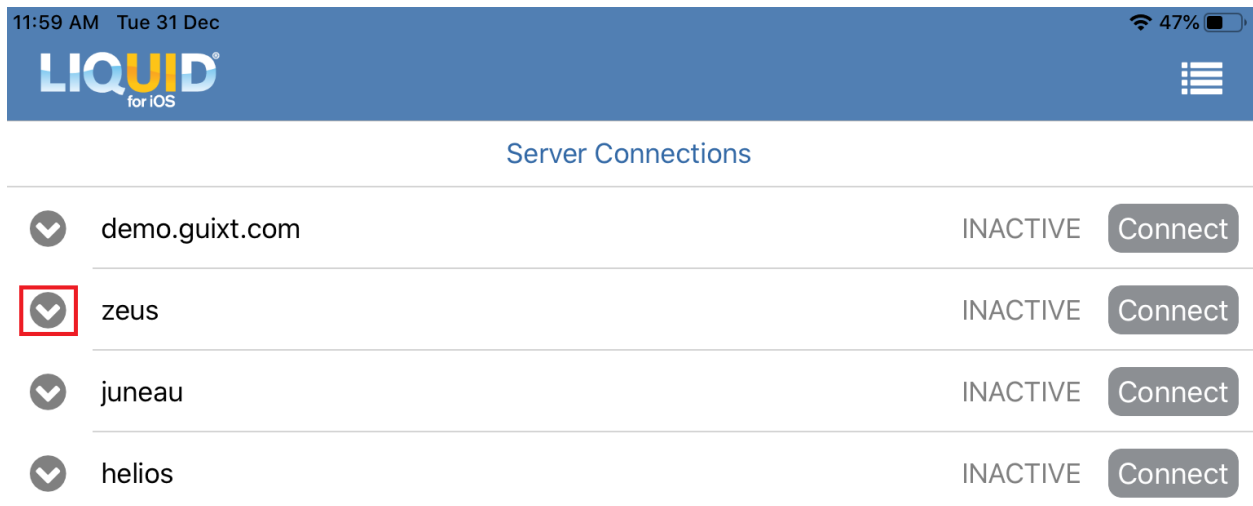
```
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi:

Connection-specific DNS Suffix  . : home
IPv6 Address. . . . . : fd14:9d09:70ed:e900:4857:955c:e783:1563
Temporary IPv6 Address. . . . . : fd14:9d09:70ed:e900:a92b:bbf2:ac37:5e94
Link-local IPv6 Address . . . . . : fe80::4857:955c:e783:1563%6
IPv4 Address. . . . . : 192.168.1.13
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.1.1
```

### **Steps 2:** (Editing the Connection parameters of the IOS Device)

Open Liquid UI App we can see a list of connections, click on the Arrow Button as Shown.



Click on the Edit Button.

12:00 PM Tue 31 Dec 47%

**LIQUID**  
for iOS

Server Connections

demo.guixt.com	INACTIVE	Connect
zeus	INACTIVE	Connect
Application Server		ns.guixt.com
Instance Number		27
Edit		Delete
juneau	INACTIVE	Connect
helios	INACTIVE	Connect

Specify the Parameters and click on the “Update Connection Details” Button.

11:42 AM Fri 10 Jan 22%

< Back Connection Details

Not sure what to do? Tap for help >

Biometric Lock ☐

Description LIQUID UI SERVER

Application Server 192.168.1.13

Instance Number 10

Client 800

SAP Router String Optional

Username ashfaq

Password .....

Language EN

Single Signon ☐

TLS ☐

Autologon ☐

Update Connection details

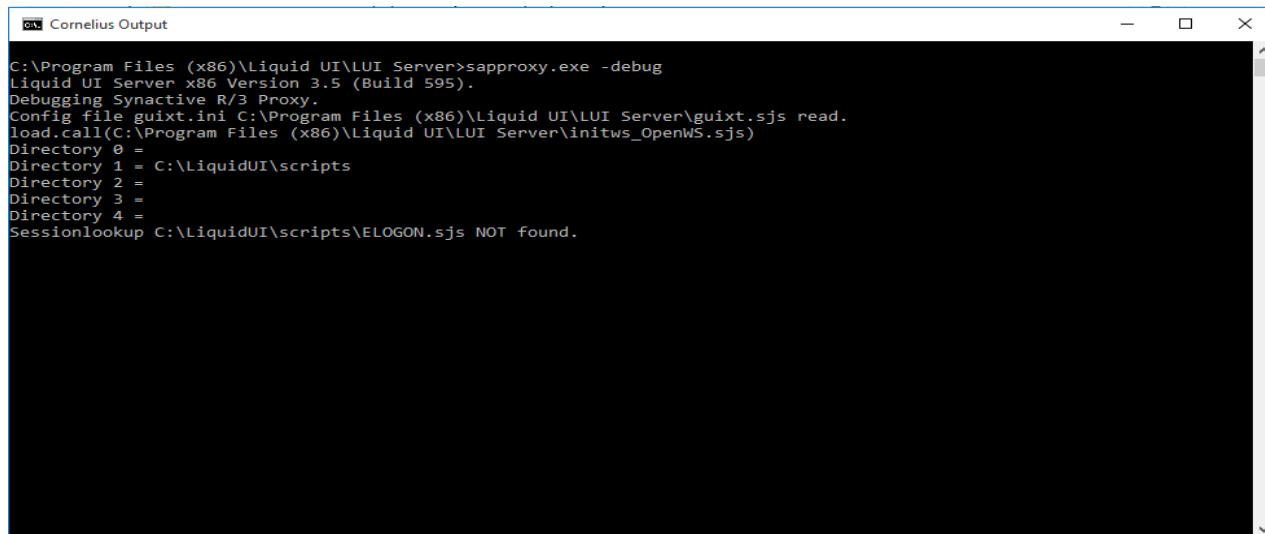
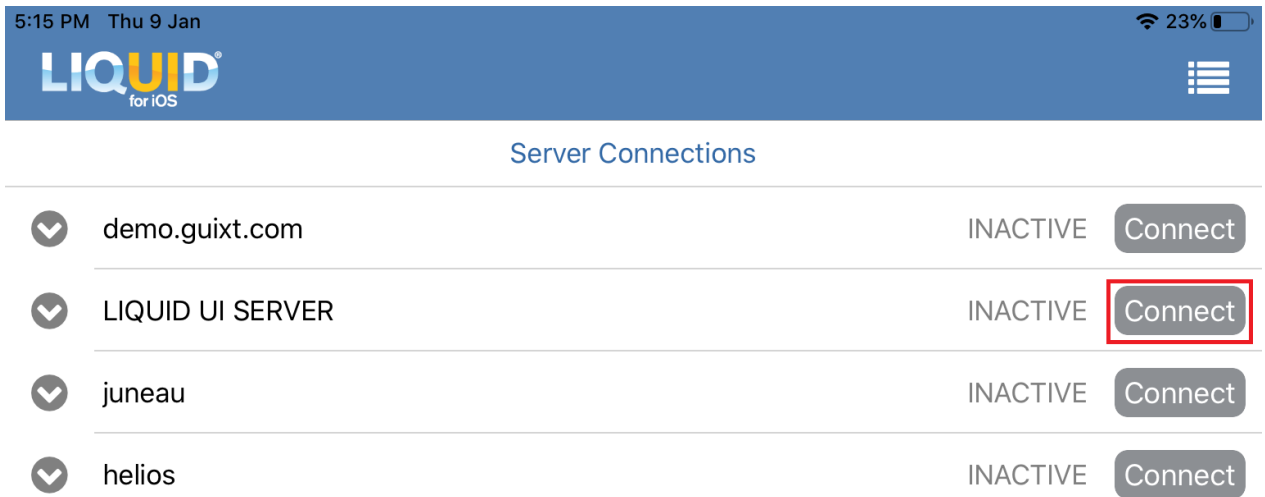
Cancel

### STEP 3: (Connecting the Device to LIQUID UI SERVER)

First, Start the "LIQUID UI SERVER" from "ConsoleMode.bat" which can be found below


C:\Program Files (x86) \Liquid UI\LUI Server\ ConsoleMode.bat.

Open the Liquid UI App and Click on the Connect Button as Shown.



3:09 PM Thu 9 Jan

SAP



Enter

New password

Client

800

User

ashfaq

Password

••••••••

Logon Language


EN

Information




Welcome to the IDES ECC 6.0 incl. EhP7  
Edition 2 (2015)

5:19 PM Thu 9 Jan


SAP Easy Access



Enter



Other menu



Liquid UI Interface

Screen Modified by LIQUID UI

Launch Pad

Create Material

Create Pu...ase Order

Create Sales Order

Create Notification

EXIT

LiquidUI

TR1

ZEUS

Cornelius Output

```
Config file guixt.ini C:\Program Files (x86)\Liquid UI\LUI Server\guixt.sjs read.
Directory 0 =
Directory 1 = C:\LiquidUI\scripts
Directory 2 =
Directory 3 =
Directory 4 =
Sessionlookup C:\LiquidUI\scripts\ELOGON.sjs NOT found.
[_onExitTransaction] invoked
[_onExitTransaction] invoked
[_onExitTransaction] invoked
Sessionlookup C:\LiquidUI\scripts\SAPLS002.E0120.sjs NOT found.
Sessionlookup C:\LiquidUI\scripts\ESESSION.sjs found.
Executing C:\LiquidUI\scripts\ESESSION.sjs ...
Sessionlookup C:\LiquidUI\scripts\genericfunctions.sjs found.
Sessionlookup C:\LiquidUI\scripts\genericfunctions.sjs found.
C:\LiquidUI\scripts\genericfunctions.sjs<-loadfunc(C:\LiquidUI\scripts\genericfunctions.sjs)
load.call(C:\LiquidUI\scripts\genericfunctions.sjs)
Sessionlookup C:\LiquidUI\scripts\dateFunctions.sjs found.
Sessionlookup C:\LiquidUI\scripts\dateFunctions.sjs found.
C:\LiquidUI\scripts\dateFunctions.sjs<-loadfunc(C:\LiquidUI\scripts\dateFunctions.sjs)
load.call(C:\LiquidUI\scripts\dateFunctions.sjs)
Sessionlookup C:\LiquidUI\scripts\wscurl.dll found.
Sessionlookup C:\LiquidUI\scripts\wscurl.dll found.
C:\LiquidUI\scripts\wscurl.dll<-loadfunc(C:\LiquidUI\scripts\wscurl.dll)
load.call(C:\LiquidUI\scripts\wscurl.dll)
[_onExitTransaction] invoked
Sessionlookup C:\LiquidUI\scripts\SAPLSMTR_NAVIGATION.E0100.sjs found.
Executing C:\LiquidUI\scripts\SAPLSMTR_NAVIGATION.E0100.sjs ...
Sessionlookup C:\LiquidUI\scripts\wscurl NOT found.
NULL <- loadfunc(C:\LiquidUI\scripts\wscurl)
load.call(wscurl)
Sessionlookup C:\LiquidUI\scripts\wscurl NOT found.
NULL <- loadfunc(C:\LiquidUI\scripts\wscurl)
load.call(wscurl)
[_onScreen_SAPLSMTR_NAVIGATION_0100] invoked
```