[APEX integration with EBS R12.1.1](https://community.oracle.com/message/9173817" \l "9173817)

This question has been **Answered.**

[Apprentice](https://community.oracle.com/people/Saro?customTheme=otn)

[**Saro**](https://community.oracle.com/people/Saro?customTheme=otn) Nov 25, 2010 7:16 AM

Dear All,  
  
As i need to integrate APEX and EBS R12.1.1 without SSO  
  
For that i followed the below steps described in the following link  
  
<http://forums.oracle.com/forums/thread.jspa?threadID=586011&tstart=0>   
  
  
The steps are  
  
**Set up in Apex:**  
  
1. Create a blank page in OAE application, e.g. P2.  
  
2. Edit page attribute and set the Security - Authentication to ‘Page is Public’.  
  
3. Create a branch in this page, as follow:  
  
Branch Type Branch to Page Accept Processing (not common)  
Branch Point On Load: Before Header  
Action – Page 101 (This is my login page id)  
  
**Set up in EBS:**  
  
1. Create a profile under Application Developer Responsibility as follow:  
  
Name OAE\_LAUNCHER  
Application <whatever>  
User Profile Name Oracle Application Express Launcher  
Description Oracle Application Express Launcher  
  
2. Set above profile value under System Administrator Responsibility -> Profile -> System, and search for the ‘OAE\_LAUNCHER’. Set the value at Site Level as:  
  
http://<hostname>:<Apex port>/pls/apex  
  
3. Create a function under System Administrator Responsibility -> Application -> Function, as follow:  
  
Function Name LAUNCH\_APEX  
User Function Name Launch ApEX Application  
Property type SSWA plsql function  
Web HTML OAE\_PKG.LaunchOAE  
  
4. Create a Web PL/SQL entry under System Administrator Responsibility -> Security -> Web PL/SQL, as follow:  
  
Name OAE\_PKG  
Type Package  
  
5. Create an entry in any menu that need to use this link, as follow:  
  
Prompt Launch ApEX Application  
Function Launch ApEX Application  
Description Launch ApEX Application  
  
\*6. Compile the OAE\_PKG package in EBS database\*  
  
**procedure LaunchOAE(parameters in varchar2) is**  
  
**l\_apex\_launcher varchar2(2000);**  
**l\_apex\_launcher\_profile varchar2(2000);**  
**l\_userid applsys.FND\_USER.user\_id%type;**  
**l\_username applsys.FND\_USER.user\_name%type;**  
**l\_launcher\_params VARCHAR2(2000);**  
**l\_resp\_id NUMBER;**  
**l\_resp\_appl\_id NUMBER;**  
**l\_security\_group\_id NUMBER;**  
**l\_org\_id NUMBER;**  
  
**begin**  
  
**l\_apex\_launcher\_profile := fnd\_profile.value('OAE\_LAUNCHER');**  
  
**if l\_htmldb\_launcher\_profile IS NULL Then**  
**htp.p ('Please contact System Administrator. ');**  
**htp.p ('Profile - OAE\_LAUNCHER is null') ;**  
**return;**  
**end if;**  
  
**l\_userid := FND\_GLOBAL.USER\_ID;**  
**l\_username := FND\_GLOBAL.USER\_NAME;**  
**l\_resp\_id := FND\_GLOBAL.RESP\_ID;**  
**l\_resp\_appl\_id := FND\_GLOBAL.RESP\_APPL\_ID;**  
**l\_security\_group\_id := FND\_GLOBAL.SECURITY\_GROUP\_ID;**  
**l\_org\_id := FND\_GLOBAL.ORG\_ID;**  
  
**l\_launcher\_params := l\_launcher\_uri := '/f?p=101:2:::NO::P101\_USERNAME,P101\_PASSWORD,P101\_RESP\_ID,P101\_RESP\_APPL\_ID,P101\_SECURITY\_GROUP\_ID,P101\_ORG\_ID:' || l\_username || ',' || l\_password||','||l\_resp\_id||','||l\_resp\_appl\_id||','||l\_security\_group\_id||','||l\_org\_id;**  
**l\_apex\_launcher := l\_apex\_launcher\_profile || l\_launcher\_params;**  
  
**owa\_util.redirect\_url(l\_htmldb\_launcher);**  
  
**end if;**  
  
**exception**  
**when others then**  
**htp.p(SQLERRM);**  
**end LaunchOAE;**  
  
  
I have finished upto 5 steps but in step 6 while compiling the procedure i'm getting an error ORA-00900: invalid SQL statement  
  
could anyone help me to resolve this error also i have followed **Rod West document**  
  
If any other stepwise document available for Apex & EBS R12 Integration please Share.  
  
  
  
Regards,  
Saravanaa

**Correct Answer**by [GTA](https://community.oracle.com/people/GTA?customTheme=otn) on Jan 27, 2011 6:44 AM

Hi Coenraad,  
  
**SSWA plsql function**, is just a property that you are going to set while creating a **FUNCTION** under **SYSTEM ADMINISTRATOR RESPONSIBILITY**....  
  
Whether you want to integrate APEX with EBS 11i or R12....  
  
As of in R12, the **JSP** that is given in the **Rod west document** will call the APEX page soon after clicking the menu in EBS...  
  
So Compile the JSP correctly by following the steps given in the document, if u compiled successfully, then only the APEX page will be redirected by clicking the MENU in the EBS..  
  
Make sure U compile it successfully.....  
  
All izz Well  
GTA...  
  
REWARDS: Please remember to mark helpful or correct posts on the forum, not just for my answers but for everyone!  
  
  
  
Edited by: GTA on Jan 26, 2011 10:01 PM  
  
Edited by: GTA on Jan 26, 2011 10:02 PM  
  
Edited by: GTA on Jan 26, 2011 10:43 PM

[**See the answer in context**](https://community.oracle.com/message/9319106#9319106)

* 7926 Views
* **Tags:**[apex](https://community.oracle.com/community/groundbreakers/database/developer-tools/application_express/tags" \l "/?tags=apex" \o "Content tagged with apex)

[Content tagged with apex](https://community.oracle.com/community/groundbreakers/database/developer-tools/application_express/tags" \l "/?tags=apex" \o "Content tagged with apex)

**,**[ebs](https://community.oracle.com/community/groundbreakers/database/developer-tools/application_express/tags" \l "/?tags=ebs" \o "Content tagged with ebs)

[Content tagged with ebs](https://community.oracle.com/community/groundbreakers/database/developer-tools/application_express/tags" \l "/?tags=ebs" \o "Content tagged with ebs)

Average User Rating: 5 of 5 (1 rating)

**Average User Rating**

Average User Rating: 5 of 5

(1 rating)

* [1.](https://community.oracle.com/message/9209843#9209843)[Re: APEX integration with EBS R12.1.1](https://community.oracle.com/message/9209843#9209843)

[Newbie](https://community.oracle.com/people/822742?customTheme=otn)

[**822742**](https://community.oracle.com/people/822742?customTheme=otn)Dec 10, 2010 1:02 AM ([in response to **Saro**](https://community.oracle.com/message/9173817#9173817))

Hi ,  
  
Did you get a solution for the compilation error?  
  
Thanks,  
Chitra

* + Like Show 0 Likes[(0)](https://community.oracle.com/thread/2137461)
  + [Actions](https://community.oracle.com/thread/2137461)
* [2.](https://community.oracle.com/message/9214567#9214567)[Re: APEX integration with EBS R12.1.1](https://community.oracle.com/message/9214567#9214567)

[Apprentice](https://community.oracle.com/people/Saro?customTheme=otn)

[**Saro**](https://community.oracle.com/people/Saro?customTheme=otn)Dec 13, 2010 4:11 AM ([in response to **822742**](https://community.oracle.com/message/9209843#9209843))

Dear Chitra,  
  
Can u clearly explain what is your requirement.  
  
We have successfully integrated R12 EBS with APEX.  
  
  
  
  
  
Regards,  
Saravanaa

* + Like Show 0 Likes[(0)](https://community.oracle.com/thread/2137461)
  + [Actions](https://community.oracle.com/thread/2137461)
* [3.](https://community.oracle.com/message/9256984#9256984)[Re: APEX integration with EBS R12.1.1](https://community.oracle.com/message/9256984#9256984)

[Newbie](https://community.oracle.com/people/Shesh?customTheme=otn)

[**Shesh**](https://community.oracle.com/people/Shesh?customTheme=otn)Jan 3, 2011 7:19 AM ([in response to **Saro**](https://community.oracle.com/message/9214567#9214567))

Hi,  
  
Could you please provide more information on Integrating APEX with EBS R12 and authentication method to use EBS credentials for APEX login.  
  
We have a requirement to open an APEX page from Oracle Form screen.  
  
Regards  
Shesh

* + Like Show 0 Likes[(0)](https://community.oracle.com/thread/2137461)
  + [Actions](https://community.oracle.com/thread/2137461)
* [4.](https://community.oracle.com/message/9257020#9257020)[Re: APEX integration with EBS R12.1.1](https://community.oracle.com/message/9257020#9257020)

[Apprentice](https://community.oracle.com/people/Saro?customTheme=otn)

[**Saro**](https://community.oracle.com/people/Saro?customTheme=otn)Jan 3, 2011 7:26 AM ([in response to **Shesh**](https://community.oracle.com/message/9256984#9256984))

Hi Shesh,  
  
What kind of information you want ? For More info Follow the below Document  
  
<http://www.oracle.com/technetwork/developer-tools/apex/apex-ebs-wp-cabot-consulting-169064.pdf>  
  
If you have any other doubt in this document you can raise your queries.  
  
  
Note:  
  
Mark the answers appropriately   
  
Regards,  
Saravanaa

* + Like Show 0 Likes[(0)](https://community.oracle.com/thread/2137461)
  + [Actions](https://community.oracle.com/thread/2137461)
* [5.](https://community.oracle.com/message/9258048#9258048)[Re: APEX integration with EBS R12.1.1](https://community.oracle.com/message/9258048#9258048)

[Newbie](https://community.oracle.com/people/Shesh?customTheme=otn)

[**Shesh**](https://community.oracle.com/people/Shesh?customTheme=otn)Jan 3, 2011 4:41 PM ([in response to **Saro**](https://community.oracle.com/message/9257020#9257020))

Hi Saro,  
  
I am working on the mock test using the document from Rod West. Will be back if I stumble upon something.  
  
Thank you very much.  
  
Regards  
Shesh

* + Like Show 0 Likes[(0)](https://community.oracle.com/thread/2137461)
  + [Actions](https://community.oracle.com/thread/2137461)
* [6.](https://community.oracle.com/message/9317732#9317732)[Re: APEX integration with EBS R12.1.1](https://community.oracle.com/message/9317732#9317732)

[Newbie](https://community.oracle.com/people/Coenraad?customTheme=otn)

[**Coenraad**](https://community.oracle.com/people/Coenraad?customTheme=otn)Jan 26, 2011 4:29 PM ([in response to **Saro**](https://community.oracle.com/message/9214567#9214567))

Hi Saro  
Can you please describe how you were able to call apex from the R12 menu as "SSWA plsql function" is no longer supported in R12 and PLSQL functions are obsolete in R12  
  
Thanks,  
Coenraad

* + Like Show 0 Likes[(0)](https://community.oracle.com/thread/2137461)
  + [Actions](https://community.oracle.com/thread/2137461)
* **Correct Answer**[7.](https://community.oracle.com/message/9319106#9319106)[Re: APEX integration with EBS R12.1.1](https://community.oracle.com/message/9319106#9319106)

[Newbie](https://community.oracle.com/people/GTA?customTheme=otn)

[**GTA**](https://community.oracle.com/people/GTA?customTheme=otn)Jan 27, 2011 6:44 AM ([in response to **Coenraad**](https://community.oracle.com/message/9317732#9317732))

Hi Coenraad,  
  
**SSWA plsql function**, is just a property that you are going to set while creating a **FUNCTION** under **SYSTEM ADMINISTRATOR RESPONSIBILITY**....  
  
Whether you want to integrate APEX with EBS 11i or R12....  
  
As of in R12, the **JSP** that is given in the **Rod west document** will call the APEX page soon after clicking the menu in EBS...  
  
So Compile the JSP correctly by following the steps given in the document, if u compiled successfully, then only the APEX page will be redirected by clicking the MENU in the EBS..  
  
Make sure U compile it successfully.....  
  
All izz Well  
GTA...  
  
REWARDS: Please remember to mark helpful or correct posts on the forum, not just for my answers but for everyone!  
  
  
  
Edited by: GTA on Jan 26, 2011 10:01 PM  
  
Edited by: GTA on Jan 26, 2011 10:02 PM  
  
Edited by: GTA on Jan 26, 2011 10:43 PM

* + Like Show 0 Likes[(0)](https://community.oracle.com/thread/2137461)
  + [Actions](https://community.oracle.com/thread/2137461)
* [8.](https://community.oracle.com/message/9506593#9506593)[EBS 11.5 integration with APEX.](https://community.oracle.com/message/9506593#9506593)

[Newbie](https://community.oracle.com/people/760111?customTheme=otn)

[**760111**](https://community.oracle.com/people/760111?customTheme=otn)Apr 8, 2011 12:08 PM ([in response to **GTA**](https://community.oracle.com/message/9319106#9319106))

I am following cobat consulting pdf , i am trying to integrate the EBS and apex.  
  
  
While creating the function i am using sswa plsql function type but this function is being over ride once i query it back again .  
When i searched for it , i came to know that we must specify the Host name .  
  
My fucntion is  
  
**create or replace procedure  apex\_launch**+   
**as**+  
**begin**+  
**OWA\_UTIL.mime\_header('text/html', false);**+  
  
**OWA\_UTIL.redirect\_url('http://detux4.aam.net:8680/apex/f?p=105:101:');**+  
  
**END apex\_launch;**+  
  
  
  
But for the url   
http://detux4.aam.net:8680/apex/f?p=105:101: what should be my host name .  
  
Kindly! help.  
  
Regards,  
Nandini Thakur.

* + Like Show 0 Likes[(0)](https://community.oracle.com/thread/2137461)
  + [Actions](https://community.oracle.com/thread/2137461)
* [9.](https://community.oracle.com/message/9628855#9628855)[Re: APEX integration with EBS R12.1.1](https://community.oracle.com/message/9628855#9628855)

[Newbie](https://community.oracle.com/people/865583?customTheme=otn)

[**865583**](https://community.oracle.com/people/865583?customTheme=otn)May 31, 2011 10:17 AM ([in response to **Saro**](https://community.oracle.com/message/9173817#9173817))

Hi   
I followed cobalt white paper but till now i am able to call the apex form from ebs.  
  
how can i pass the login credential from EBS to apex.  
  
Thanks  
Nitin

* + Like Show 0 Likes[(0)](https://community.oracle.com/thread/2137461)
  + [Actions](https://community.oracle.com/thread/2137461)
* [10.](https://community.oracle.com/message/9748247#9748247)[Re: APEX integration with EBS R12.1.1](https://community.oracle.com/message/9748247#9748247)

[Newbie](https://community.oracle.com/people/user22342?customTheme=otn)

[**user22342**](https://community.oracle.com/people/user22342?customTheme=otn)Jul 21, 2011 10:31 AM ([in response to **Saro**](https://community.oracle.com/message/9173817#9173817))

Hi  
  
I'm also trying to implement R12 integration with Apex to automatically login a user from EBS. I'm using a document by 'Rod West, Cabot Consulting'. This issue is that it does not log the user into the apex application but it redirects it to the R12 EBS login page.   
  
If I change the before header process in Apex from, I hard coded the username:  
BEGIN   
wfa\_sec.getsession(:P101\_USERNAME);   
:P101\_PASSWORD :=  
XXAPX\_SECURITY\_PKG.generate\_hash (FND\_GLOBAL.user\_name);  
IF :P101\_PASSWORD IS NOT NULL THEN   
APEX\_CUSTOM\_AUTH.login(  
P\_UNAME     => :P101\_USERNAME, P\_PASSWORD     => :P101\_PASSWORD, P\_SESSION\_ID => v('APP\_SESSION'), P\_APP\_PAGE     => :APP\_ID||':1'  
);  
END IF;   
EXCEPTION WHEN OTHERS THEN NULL; END;  
  
to:  
  
BEGIN   
:P101\_USERNAME := 'TEST';  
:P101\_PASSWORD :=  
XXAPX\_SECURITY\_PKG.generate\_hash ('TEST');  
IF :P101\_PASSWORD IS NOT NULL THEN APEX\_CUSTOM\_AUTH.login(  
P\_UNAME     => :P101\_USERNAME, P\_PASSWORD     => :P101\_PASSWORD, P\_SESSION\_ID => v('APP\_SESSION'), P\_APP\_PAGE     => :APP\_ID||':1'  
);  
END IF; EXCEPTION WHEN OTHERS THEN NULL; END;  
  
It works fine. It seems the issue is with the wfa\_sec.getsession procedure, when this is used then it redirects it from apex to EBS login.  
  
What could be the issue? Our domain/address for Apex and EBS apps are different, could that be the issue and how do we fix this?  
  
Thanks  
Shaun

* + Like Show 0 Likes[(0)](https://community.oracle.com/thread/2137461)
  + [Actions](https://community.oracle.com/thread/2137461)
* [11.](https://community.oracle.com/message/9748678#9748678)[Re: APEX integration with EBS R12.1.1](https://community.oracle.com/message/9748678#9748678)

[Elite](https://community.oracle.com/people/Rod%20West?customTheme=otn)

[**Rod West**](https://community.oracle.com/people/Rod%20West?customTheme=otn)Jul 21, 2011 12:57 PM ([in response to **user22342**](https://community.oracle.com/message/9748247#9748247))

Hi,  
  
Using wfa\_sec.getsession procedure relies on the EBS and Apex being in the same domain. The wfa\_sec.getsession procedure reads the ICX cookie and if the procedure is called in a different domain then cookie is not available and so the EBS logon page is displayed to set the cookie.  
  
Ideally you should use Oracle SSO for both EBS and Apex then Apex will not need to read the ICX cookie. Another option is to pass the EBS username and an MD5 hash to secure the user in the Apex URL. The username and hash are then used to log in to Apex. Another option is to use a custom table in the database to hold the connection details which is updated by the EBS launch function and read by the Apex login page.  
  
Rod West

* + Like Show 0 Likes[(0)](https://community.oracle.com/thread/2137461)
  + [Actions](https://community.oracle.com/thread/2137461)
* [12.](https://community.oracle.com/message/9748732#9748732)[Re: APEX integration with EBS R12.1.1](https://community.oracle.com/message/9748732#9748732)

[Apprentice](https://community.oracle.com/people/Mini?customTheme=otn)

[**Mini**](https://community.oracle.com/people/Mini?customTheme=otn)Jul 21, 2011 1:11 PM ([in response to **Rod West**](https://community.oracle.com/message/9748678#9748678))

Hi Rod West Glad to see you in the form,  
  
We all are trying your way of integrating EBS with APEX. It is the best method so far. I have integrated EBS R12 with APEX 4.0 following your document.  
  
But i couldnt able to achieve SSO feature with it, and that is more pending still now. I need your support inorder to achieve it.  
  
What is my problem is, when i clicked the menu in the EBS means, it is redirecting to the APEX page.  
  
But the APEX login page is appearing for it. But i dont need to redirect to the APEX login page soon after clicking the menu, it has to redirect to the APEX first page soon after clicking the menu in EBS.  
  
Due to that, it is asking for the double login credentials one is EBS login page and the other is APEX login page.  
  
How i make the APEX to recognize the users of the EBS, so that it will accept only the EBS login credentials and it should not ask for the APEX login page and it has to go to directly to the APEX first page(not the login page) soon after clicking the menu.  
  
How to proceed with it Rod. I need your help.  
  
I need your stepwise suggestion inorder to achieve it.  
  
Thanks  
  
Regards,  
Mini  
  
-----------------------  
Mark Answers Promptly

* + Like Show 0 Likes[(0)](https://community.oracle.com/thread/2137461)
  + [Actions](https://community.oracle.com/thread/2137461)
* [13.](https://community.oracle.com/message/9748881#9748881)[Re: APEX integration with EBS R12.1.1](https://community.oracle.com/message/9748881#9748881)

[Newbie](https://community.oracle.com/people/user22342?customTheme=otn)

[**user22342**](https://community.oracle.com/people/user22342?customTheme=otn)Jul 21, 2011 1:54 PM ([in response to **Rod West**](https://community.oracle.com/message/9748678#9748678))

Hi Rod   
  
Thanks for the update and the valuable information. I'm now trying to add the username in the jsp as we are on R12 and add that to the Apex URL as a parameter. If I don't come right with that I'll try the custom table option.  
  
Thanks,  
  
Shaun

* + Like Show 0 Likes[(0)](https://community.oracle.com/thread/2137461)
  + [Actions](https://community.oracle.com/thread/2137461)
* [14.](https://community.oracle.com/message/9749022#9749022)[Re: APEX integration with EBS R12.1.1](https://community.oracle.com/message/9749022#9749022)

[Newbie](https://community.oracle.com/people/user22342?customTheme=otn)

[**user22342**](https://community.oracle.com/people/user22342?customTheme=otn)Jul 21, 2011 2:39 PM ([in response to **user22342**](https://community.oracle.com/message/9748881#9748881))

Hi  
  
I'm having trouble trying to get the username in the JSP. How can I use or fetch the fnd\_global.user\_name in the jsp. I was trying to do this:  
String outParam = null;  
Connection conn = DriverManager.getConnection("jdbc:default:connection:");  
String sql = "select fnd\_global.user\_name from dual";  
PreparedStatement pstmt = conn.prepareStatement(sql);  
ResultSet rs = pstmt.executeQuery();  
outParam = rs.getString(1);  
  
Is this correct or is there an easier way to get the current username in the JSP for me to include it in the apex url?  
  
Looking forward to any help.  
  
Thanks,  
Shaun