

Cal Poly SLO Web Sign-On for PeopleSoft 8.9

This document describes the Web Initial Sign-On solution implemented at Cal Poly San Luis Obispo for our PeopleSoft 8 web environment. Cal Poly retains all rights to this document, and provides no guarantees or support for this solution. At the same time, we encourage other organizations to learn from our efforts, and ask that any improvements based on this work be shared back with us so that all can benefit.

If you are considering implementing web initial sign-on to PeopleSoft, we ask that you provide us with contact data and some general information about your plans for Web Initial Sign-On. This will allow us to communicate our progress to you as our implementation grows, and for you to share with us as well.

Please send an e-mail to the contacts below, including your name, campus, organizational unit within campus, and phone number:

Greg Weir, PeopleSoft Developer, Cal Poly San Luis Obispo
gweir@calpoly.edu

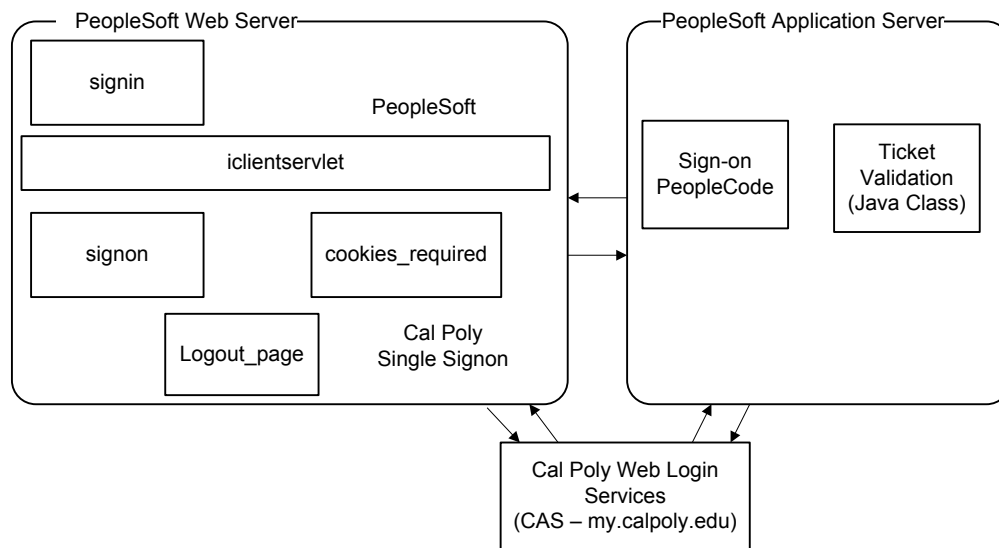
<http://www.calpoly.edu/~cms/ExtAuthentication/index.html>

PeopleSoft HRSA Environment

Procedure for Implementing Cal Poly SLO Sign-on

This document specifies the steps necessary to integrate PeopleSoft environments with the *Cal Poly Web Login Service*.

Overview



Steps

1. Install *Ticket Validation Java Class* and supporting files

Explanation: The *Ticket Validation Java Class* is called from custom sign-on PeopleCode. This code accepts two string parameters (*ticket* and *service*), passes these values to the *Web Login Service* through an HTTPS connection, and returns the response provided by the login service (a username if the ticket is valid, empty string if ticket is not valid). Representative source code is provided as Appendix A.

This code requires that the Java environment provide support for SSL/HTTPS connections. In the current PeopleSoft deployment this requires additional files from Sun which are distributed as the JSSE (Java Secure Socket Extension) package. These file are provided by Cal Poly with the ticket validation class.

- a. Log on to Unix application server environment as `hrpsoft`
- b. Copy provided ticket class and supporting files to the application server `classes` directory.

```
/hr/peoplesoft environment/appserv/classes
```

```
cp PSCASClient.class jcert.jar jnet.jar jsse.jar  
/hr/h8slodv1/appserv/classes
```

2. Install and activate custom signon PeopleCode function library

Explanation: Custom PeopleCode is invoked as part of the signon process. This code obtains a ticket value and service value as part of the `%Request` object, passes these values to the *Ticket Validation Java Class*, and then based on the result of this sets the authentication result for the current user. Representative source code provided as Appendix B.

A PeopleSoft package is provided for the production install.

To install step-by-step:

- a. Using PeopleTools Application Designer create `SLO_SIGNON` record with `SLO_AUTH` field and `VALIDATE_TICKET` function using supplied file.
- b. Using PeopleTools Utilities, from the `Use` menu select `Signon Peoplecode`. `Home > PeopleTools > Security > Security Objects > Signon PeopleCode`. Create a new row with the appropriate values as created in step A. Check the `Enabled` box and `Exec Auth Fail` box. Uncheck `Enabled` boxes for other signon methods. Save and exit from `Utilities` and `Application Designer`. Appendix D.
- c. Restart application server so that signon changes take affect.
- d. Verify that default signon mechanism continues to function by logging in through 3-tier access.

3. Install custom HTML files on web server

Explanation: Support for the Web Login Service is active at this point. Default HTML files displayed by PeopleSoft are no longer appropriate, as they display username/password prompts and messages which are confusing to the end user. In default deployment one HTML file is used for login, logout, and error page. Custom HTML files must be installed on web server. Additionally the `configuration.properties` file must be modified so that `iclientservlet` delivers these new files.

- a. Place provided HTML files in appropriate directory on web server. Files are:

<code>signon.html</code>	Replaces existing file. Redirects user to the WLS
--------------------------	---

<code>cookiesrequired.html</code>	Replaces existing file, redirects user to WLS. This corrects a cookie issue experienced by users who have not logged in before.
<code>slo_logout.html</code>	Redirects user to Cal Poly SLO custom logout page.

4. Modify CAS implementation to force an HTTP POST of at least one parameter when service includes PeopleSoft

Explanation: CAS uses `goService.jsp` to redirect the browser to the appropriate CAS service. After our upgrade to Finance 8.4 we need to force an HTTP POST to allow PeopleSoft to accept the CAS ticket as a parameter. The `goService.jsp` must be modified to forward the request on to a customized PeopleSoft jsp that will perform a form post. The referenced `goServicePsft.jsp` is shown in detail in Appendix C. You will have to modify `goService.jsp` as show below here:

```
// XXX need to pull this out into a property, and be careful about
// affected serviceId values
// if it's a PeopleSoft app (has cmsdev.calstat.edu in the
serviceId),
// use POST
if (serviceId.indexOf("@@cmsServerName@@") != -1)
{
%>
<jsp:forward page="clickTo/goServicePsft.jsp"/>
<%
}
```

5. Port 443 must be open on the PeopleSoft web server.

Explanation: HTTPS uses the default port of 443 for SSL connections. The PeopleSoft web server needs to have this port open so that CAS can make a secure connection to the web server. This is defined in the `Handler.class` file in the `sun.net.www.protocol.https` package in `jsse.jar`.

6. Single signon logging is written to `/tmp/pscas_signon_log.txt` on the PeopleSoft application server.

Example:

```
2006-02-07 10:45:05 Request:
https://cmsdev1.calstate.edu/servlets/clientservlet/H8SLODVL/?cmd=login&languageCd=ENG&userid=PS
&pwd=z&ticket=ST-643545-tpjhOyGHyOs8S1c1viz6
2006-02-07 10:45:05 Ticket: ST-643545-tpjhOyGHyOs8S1c1viz6
2006-02-07 10:45:11 Result: PSUSER
```

7. Java ClassPath

If you create your own classes that you want to access with PeopleCode, you'll have to create a PS_CLASSPATH environment variable that points to where your classes are stored. The exact path depends on how you package your classes.

If you package your Java classes in a JAR file, you have to specify the JAR file name (with the JAR extension) in the PS_CLASSPATH environment variable.

Example

```
/CSU/h8slotst/appserv/classes :  
/CSU/h8slotst/appserv/classes/jsse.jar
```

8. Set up Web Profile for custom logout page.

If you wish to use a custom logout page you must create a custom HTML page. This page is placed in the appropriate directory on web server. The PeopleSoft Web Profile Signon/Logout Pages parameters will now need to be set to point to the custom logout page. To do this navigate to Home, PeopleTools, Web Profile, Web Profile Configuration, Look and Feel tab for CSU_DVL and CSU_PROD, Signon/Logout Pages parameter section. Enter the name of the custom logout page as the first entry. The PeopleSoft web server will now need to be recycled in order for the custom logout page to be displayed.

9. CAS entry for new PeopleSoft Web server.

If a new web server is to be used for PeopleSoft then a new entry must be placed on the CAS server:

https://calstate_web_server/psp/HASLO*/**

10. Portal Alternate PeopleSoft LogOn Link.

```
<a target="_blank"  
href="https://WebServer/psp/PeopleSoft_Environment/?cmd=login">PeopleSoft_Env  
ironment</a>
```

11. Portal Single Signon Link.

```
<a target="_blank"  
href="https://my.school.edu/cas/login?service=https://WebServer/psp/PeopleSoft_En  
vironment/?cmd=login%26languageCd=ENG%26userid=PS%26pwd=z">PeopleSoft  
_Environment</a>
```

12. Deep Links example

A) Deep link on the Portal:

```
<p><a target="_blank" href="
  https://WebServer/PeopleSoft_Environment/SLO_phones.html
">
Phone Numbers
</a></p>
```

B) SLO_Phones.html Deep Link call into CAS/PeopleSoft:

```
<script LANGUAGE="JavaScript1.2" >
/** Precise/Indepth For Web code v8.7 **/
if
(typeof(TextDate) == 'undefined' && location.host != "") {/*custom-start*//*custom-
end*/var clientSideManageCookies=1;var connectToCC=0;var
isFrameSet="false";var AgentLocation ="";TextDate = new Date();MoTextTime =
TextDate.getTime() + 1;if(clientSideManageCookies){var
maxI4WebCookieSize=2048;var r=new
Date().getTime()+"_"+Math.floor(Math.random()*1000);var
link="veritas_i4t_agents/i4web_pss_uuid.js?t="+r; document.write('<SCRIPT
LANGUAGE="JavaScript1.2" src='+ link +'>' + '<\script>');}
document.write('<SCRIPT LANGUAGE="JavaScript1.2"
src="veritas_i4t_agents/pssift_s1.js">' + '<\script>');}
</script>
<HTML>
<HEAD>
<TITLE>PeopleSoft Self-Service, California Polytechnic State
University</TITLE>
</HEAD>
<frameset rows="25% ,75%">
<frame name="instructionsFrame"
src="https://www.afd.calpoly.edu/hr/selfservice/Phones.asp"/>
<frame name="mainFrame"
src="https://my.school.edu/cas/login?service=https://WebServer/psp/PeopleSoft_Envi
ronment/EMPLOYEE/HRMS/c/ROLE_EMPLOYEE.HR_PERSONAL_PHONE.GB
L?NAVSTACK=Clear%26FolderPath=PORTAL_ROOT_OBJECT.CO_EMPLOYE
E_SELF_SERVICE.HC_PERSONAL_INFO_ESS.HC_HR_PERSONAL_PHONE_
GBL%26IsFolder=false%26IgnoreParamTemp=FolderPath%2cIsFolder%26RL=%2
6target=main0%26navc=7705?cmd=login%26languageCd=ENG%26userid=PS%26p
wd=z"/>
</frameset>
</HTML>
```

C) SLO_Phones.html

Instructions

Enter phone numbers using this format ###/###-####. To change your **On-Campus** or **Fax** numbers, contact the ITS Service Desk at extension 67000, Option 3. Any changes you make here to these phone numbers will be overwritten nightly with ITS phone information.

If you experience difficulties, please email

ORACLE

Home | Add to Favorites | Sign out

Menu

Search:

- My Favorites
- CSU Faculty Reports
- CSU SA Baseline
- CSU Temp Faculty
- Cal Poly Reports/Interfaces
- Self Service
- Manager Self Service
- Recruiting
- Workforce Administration
- Benefits
- Time and Labor
- Payroll for North America
- Global Payroll & Absence Mgmt
- Payroll Interface
- Workforce Development
- Organizational Development
- Enterprise Learning
- Workforce Monitoring
- Pension
- Campus Community
- Student Recruiting

Phone Numbers

Enter your phone numbers below.

Phone Type	*Telephone	Extension	Preferred	
FAX	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	Delete
Home	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/>	Delete
Main	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	Delete
On-Campus	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	Delete

* Required Field

Internet | 100%

start | Inbox in gweir... | PRT08 - CP-TS-... | My Cal Poly Por... | PeopleSoft: Self... | 12:50 PM

A. Ticket Validation Java Class:

```

//*****
//*          * HR *  PSCASClient * HR *          **
//*****
/** (C) 2003, Cal Poly State University San Luis Obispo **
/** based on code (C) 2001, Yale University. **
/** package edu.yale.its.tp.cas; **
/** 12/03/2007 G. Weir added Portal Deep Link Code **
//*****

import com.sun.net.ssl.internal.ssl.Provider;
import java.io.*;
import java.net.URL;
import java.net.URLEncoder;
import java.security.Security;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;

public class PSCASClient
{

    private static final boolean debug = false;

    public static String validate(String fullUrl, String
ticket, String altVal)
        throws IOException
    {
        String validateURL = null;
        if(altVal.equals("N"))
            validateURL =
"https://my.calpoly.edu/cas/validate";
        else
            validateURL =
"https://mytest.calpoly.edu/cas/validate";
        try
        {
            Security.addProvider(new Provider());

            System.setProperty("java.protocol.handler.pkgs",
"com.sun.net.ssl.internal.www.protocol");
            int ticketParamIndex =
fullUrl.lastIndexOf("&ticket=");
            String service = null;
            if(ticketParamIndex != -1)
                service =
URLEncoder.encode(fullUrl.substring(0, ticketParamIndex));
            else
                service = URLEncoder.encode(fullUrl);

            /**
            /** Check for Portal Deep Links
            /**
            /**

            int beginIndex = service.indexOf("%2520");

```



```

        while (beginIndex != -1) {
            service = service.substring(0,beginIndex + 1) +
service.substring(beginIndex + 3);
            beginIndex = service.indexOf("%2520");

        } /** End While beginIndex

        URL u = new URL(validateURL + "?ticket=" +
ticket + "&service=" + service);
        BufferedReader in = new BufferedReader(new
InputStreamReader(u.openStream()));
        if(in == null)
            return null;
        String line1 = in.readLine();
        String line2 = in.readLine();
        if(line1 != null && line2 != null &&
line1.equals("yes") && line2.endsWith("@calpoly.edu"))
        {
            String user = line2.substring(0,
line2.lastIndexOf("@calpoly.edu"));
            user = user.toUpperCase();
            return user;
        } else
        {
            return null;
        }
    }
    catch(Exception e)
    {
        logMessage("ERROR: Exception attempting
validate: " + e);
    }
    return null;
}

public static void logMessage(String message)
{
    SimpleDateFormat formatter = new
SimpleDateFormat("yyyy-MM-dd HH:mm:ss ");
    Date now = new Date();
    try
    {
        BufferedWriter os = new BufferedWriter(new
FileWriter("/tmp/pscas_signon_log.txt", true));
        os.write(formatter.format(now));
        os.write(message);
        os.write("\n");
        os.close();
    }
    catch(IOException _ex) { }
}
}

```

B. Signon PeopleCode:

```
/*//////////////////////////////////////
SLO_SIGNON.SLO_AUTH.VALIDATE_TICKET
Cal_Poly Trusted Authentication must be enabled through the Signon
PeopleCode panel. This function obtains a ticket value from the web
request and then creates a Java object which is used to validate the ticket.
If all goes well setAuthenticationResult sets the user context to the
correct userID. Otherwise PSAuthResult remains False.
////////////////////////////////////*/
Function VALIDATE_TICKET()

    If %PSAuthResult = False Then
        &validator = GetJavaClass("PSCASClient");

        /*retrieve fullUrl and ticket value from HTTP request */
        &fullUrl = %Request.FullURI | "?" | %Request.QueryString;
        &ticket = %Request.GetParameter("ticket");
        &validator.logMessage("Request: " | &fullUrl);
        &validator.logMessage(" Ticket: " | &ticket);

        If &ticket <> "" Then
            /* have a ticket, load CAS client class and attempt to validate */
            &altVal = "N";
            &cas_result = &validator.validate(&fullUrl, &ticket, &altVal);
            &validator.logMessage(" Result: " | &cas_result);

            If &cas_result <> Null Then
                /* ResultDocument (3rd parm) seems to be ignored by front end */
                SetAuthenticationResult( True, &cas_result, "", False);
                &authMethod = "SLO";
                Return;
            End-If; /* got username back from CAS */

            /* Authentication NOT valid for Production CAS. */
            /* Check for alternative (mytest) validation */
            /* Authentication NOT valid for Production CAS. */

            &altVal = "Y";
            &cas_result = &validator.validate(&fullUrl, &ticket, &altVal);
            &validator.logMessage(" Result2: " | &cas_result);

            If &cas_result <> Null Then
                /* ResultDocument (3rd parm) seems to be ignored by front end */
                SetAuthenticationResult( True, &cas_result, "", False);
                &authMethod = "SLO";
                Return;
            End-If; /* got username back from CAS */

            End-If; /* got ticket */
        End-If; /* user not yet authenticated */

    End-Function;
```

C. goServicePsft.jsp

```
<%
  /* PeopleSoft web accepted vanilla CAS redirects ~81806_070, when the
     login page begin to require that at least one parameter be POST'd in
     order to consider the request a login attempt. All GET requests appear
     to be treated only as "display login form" actions. */

  String serviceId = (String) request.getAttribute("serviceId");
  String token = (String) request.getAttribute("token");
  String service = null;
  if (serviceId.indexOf('?') == -1)
    service = serviceId + "?ticket=" + token;
  else
    service = serviceId + "&ticket=" + token;
  service =
    edu.yale.its.tp.cas.util.StringUtil.substituteAll(service, "\n", "");
  service =
    edu.yale.its.tp.cas.util.StringUtil.substituteAll(service, "\r", "");
  service =
    edu.yale.its.tp.cas.util.StringUtil.substituteAll(service, "\"", "");
%>
<html>
<head>
<title>Cal Poly Web Login</title>
<script language="JavaScript">

<!--
//Get cookie routine by Shelley Powers
function get_cookie(Name) {
  var search = Name + "="
  var returnvalue = "";
  if (document.cookie.length > 0) {
    offset = document.cookie.indexOf(search)
    // if cookie exists
    if (offset != -1) {
      returnvalue="1"
    }
  }
  return returnvalue;
}

function setCookie(name, value, expires, path, domain, secure) {
  var curCookie = name + "=" + escape(value) +
    ((expires) ? "; expires=" + expires.toGMTString() : "") +
    ((path) ? "; path=" + path : "") +
```

```
        ((domain) ? ";" domain=" + domain : "") +
        ((secure) ? ";" secure" : "");
        document.cookie = curCookie;
    }

// Check for the PS Signon cookie - if it does not exist set the cookie
value = get_cookie("SignOnDefault");
if (value == null || value.length == 0) {
    var nextyear = new Date();
    nextyear.setFullYear(nextyear.getFullYear() + 1);
    setCookie("SignOnDefault", "", nextyear, "/", ".calpoly.edu", "");
}
-->
</script>
</head>
<body bgcolor="#FFFFFF" onLoad="document.login.submit()">
<!-- <body bgcolor="#FFFFFF"> -->
    <form method="post" name="login" action="<%= service %>">
<!-- <noscript> -->
<!-- <p>
        <input type="submit" name="Submit" value="Click Here">
        to access the service you requested.
    </p> -->
    <input type="hidden" name="httpPort" value="">
    <input type="hidden" name="timezoneOffset" value="0">
<!-- </noscript> -->
</form>

</body>
</html>
```

D. Signon PeopleCode PeopleTools Page

SignOn PeopleCode - Microsoft Internet Explorer

Address: <https://cmsdev1.calstate.edu/servlets/clientervlet/H8SLOSCN?cmd=start&>

PeopleSoft.

Home Worklist Help Sign Out

Home > PeopleTools > Utilities > Use > Signon PeopleCode [New Window](#)

Signon PeopleCode

Signon

Invoke as user signing in

Invoke as User ID: Password:

*Sequence	Enabled	*Record	*Field Name	Event Name	Function Name	Exec Auth Fail		
1	<input type="checkbox"/>	FUNCLIB_PWDCNTL	PWDCNTL	FieldChange	Password_Controls	<input type="checkbox"/>	+	-
2	<input type="checkbox"/>	FUNCLIB_LDAP	LDAPAUTH	FieldDefault	WWW_AUTHENTICATION	<input type="checkbox"/>	+	-
3	<input type="checkbox"/>	FUNCLIB_LDAP	LDAPAUTH	FieldDefault	LDAP_AUTHENTICATION	<input type="checkbox"/>	+	-
4	<input type="checkbox"/>	FUNCLIB_LDAP	LDAPAUTH	FieldDefault	SSO_AUTHENTICATION	<input type="checkbox"/>	+	-
5	<input type="checkbox"/>	FUNCLIB_LDAP	LDAPAUTH	FieldDefault	LDAP_PROFILESYNCH	<input type="checkbox"/>	+	-
6	<input checked="" type="checkbox"/>	SLO_SIGNON	SLO_AUTH	FieldDefault	VALIDATE_TICKET	<input checked="" type="checkbox"/>	+	-

Taskbar: Start, Internet, SignOn Peo... 11:02 AM

E. Web Profile Configuration.

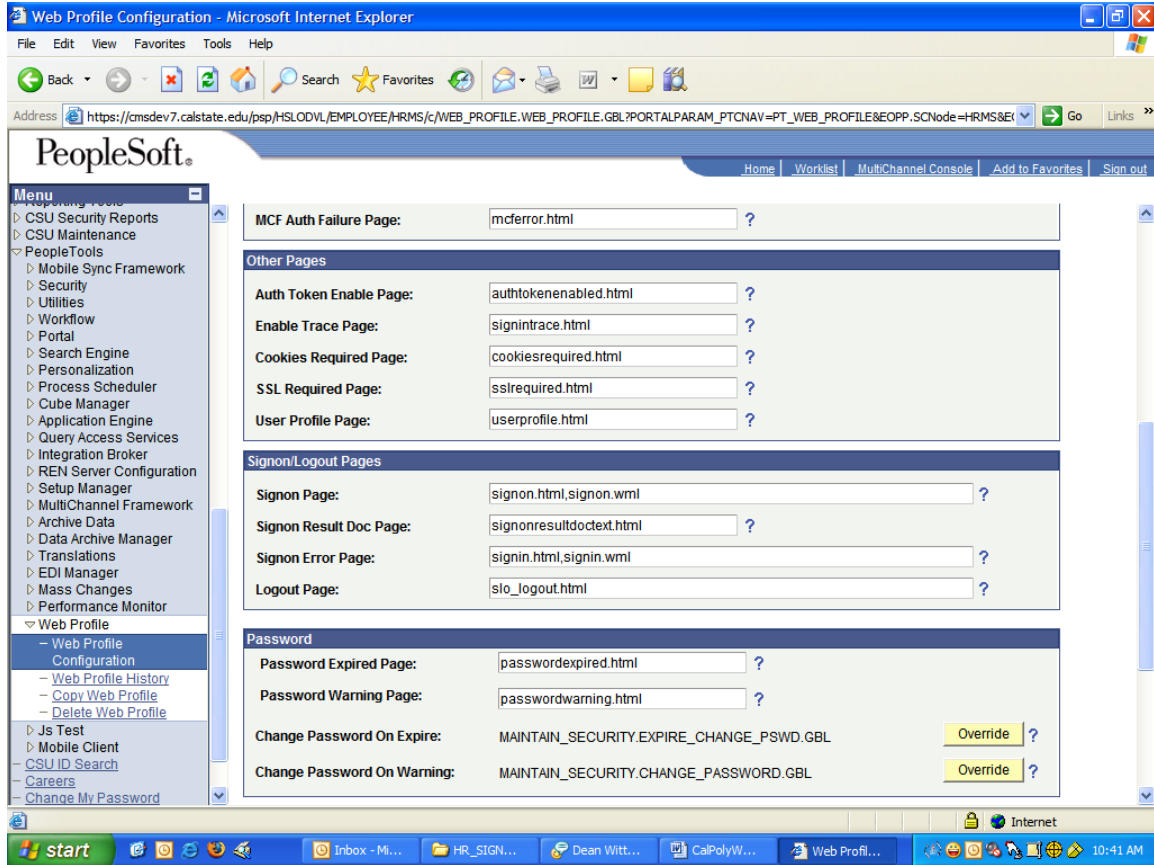
CSU_PROD Web Profile

The screenshot shows the PeopleSoft Web Profile Configuration interface for the CSU_PROD profile. The browser window is titled "Web Profile Configuration - Microsoft Internet Explorer" and the address bar shows the URL: https://cmsdev7.calstate.edu/psp/HSLODVL/EMPLOYEE/HRMS/c/WEB_PROFILE.WEB_PROFILE.GBL?PORTALPARAM_PTCNAV=PT_WEB_PROFILE&EOPP.SCNODE=HRMS&E. The interface includes a navigation menu on the left, a top navigation bar with "Home", "Worklist", "MultiChannel Console", "Add to Favorites", and "Sign out", and a "Menu" section with various options like "CSU Security Reports", "CSU Maintenance", "PeopleTools", and "Web Profile". The main content area is titled "Profile Name: CSU_PROD" and contains several sections for configuring the web profile:

- Start Page:** Page: start.html,start.wml; Script: WEBLIB_MENU.ISCRIPT3.FieldFormula.IScript_StartHtml (with an "Override" button).
- Expire Page:** Page: expire.html,expire.wml; Content Name: PT_EXPIRE.PT_EXPIRE_WML.
- Error Pages:** Exception Page: exception.html,exception.wml; Pagelet Error Page: portalerropagelet.html; Portal Detail Error Page: portalerrodetail.html; Portal Target Error Page: portalerrotarget.html; MCF Auth Failure Page: mcferror.html.
- Other Pages:** Auth Token Enable Page: authtokenenabled.html; Enable Trace Page: sionintrace.html.

The bottom of the screenshot shows the Windows taskbar with the Start button, several open applications (Inbox, HR_SIGN, Dean Witt..., CalPolyW..., Web Profil...), and the system tray with the time 10:40 AM.

CSU_PROD Signon/Logout Pages.



CSU_DEV Web Profile

Web Profile Configuration - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address https://cmsdev7.calstate.edu/psp/HSLODVL/EMPLOYEE/HRMS/c/WEB_PROFILE.WEB_PROFILE.GBL?PORTALPARAM_PTCNAV=PT_WEB_PROFILE&EOPP.SCNode=HRMS&ER Go Links

PeopleSoft® Home Worklist MultiChannel Console Add to Favorites Sign out

Menu

- Reporting Tools
- CSU Security Reports
- CSU Maintenance
- PeopleTools
 - Mobile Sync Framework
 - Security
 - Utilities
 - Workflow
 - Portal
 - Search Engine
 - Personalization
 - Process Scheduler
 - Cube Manager
 - Application Engine
 - Query Access Services
 - Integration Broker
 - REN Server Configuration
 - Setup Manager
 - MultiChannel Framework
 - Archive Data
 - Data Archive Manager
 - Translations
 - EDI Manager
 - Mass Changes
 - Performance Monitor
- Web Profile
 - Web Profile Configuration
 - Web Profile History
 - Copy Web Profile
 - Delete Web Profile
- Js Test
- Mobile Client
- CSU ID Search
- Careers
- Change My Password

Profile Name: CSU_DEV

Start Page

Page: start.html,start.wml ?

Script: WEBLIB_MENU.ISCRIPT3.FieldFormula.IScript_StartHtml Override ?

Expire Page

Page: expire.html,expire.wml ?

Content Name: PT_EXPIRE,PT_EXPIRE_WML ?

Error Pages

Exception Page: exception.html,exception.wml ?

Pagelet Error Page: portallerrorpagelet.html ?

Portal Detail Error Page: portallerrordetail.html ?

Portal Target Error Page: portallerrortarget.html ?

MCF Auth Failure Page: mcferror.html ?

Other Pages

Auth Token Enable Page: authtokenenabled.html ?

Enable Trace Page: sionintrace.html ?

Done

start | Inbox - Mi... | HR_SIGN... | Dean Witt... | CalPolyW... | Web Profil... | Internet | 10:48 AM

CSU_DEV Signon/Logout Pages.

The screenshot shows the 'Web Profile Configuration' page in Microsoft Internet Explorer. The browser's address bar displays the URL: https://cmsdev7.calstate.edu/psp/MSL0DVL/EMPLOYEE/HRMS/c/WEB_PROFILE.WEB_PROFILE.GBL?PORTALPARAM_PTCNAV=PT_WEB_PROFILE&EOPP.SCNode=HRMS&EI. The PeopleSoft logo is visible at the top left, and navigation links like 'Home', 'Worklist', and 'MultiChannel Console' are at the top right. A left-hand menu lists various system components, with 'Web Profile' expanded to show 'Web Profile Configuration'. The main content area is divided into several sections:

- SSL Required Page:** ?
- User Profile Page:** ?
- Signon/Logout Pages:**
 - Signon Page:** ?
 - Signon Result Doc Page:** ?
 - Signon Error Page:** ?
 - Logout Page:** ?
- Password:**
 - Password Expired Page:** ?
 - Password Warning Page:** ?
 - Change Password On Expire:** MAINTAIN_SECURITY.EXPIRE_CHANGE_PSWD.GBL ?
 - Change Password On Warning:** MAINTAIN_SECURITY.CHANGE_PASSWORD.GBL ?
- Language Support:** ?

The Windows taskbar at the bottom shows the Start button, several open applications (Inbox, HR_SIGN..., Dean Witt..., CaPolyW..., Web Profil...), and the system clock indicating 10:49 AM on 10/14/2010.

F. SIGNON.HTML

```
<HTML>
<!--* ****
* Confidentiality Information:
*
* This module is the confidential and proprietary information of
* PeopleSoft, Inc.; it is not to be copied, reproduced, or
* transmitted in any form, by any means, in whole or in part,
* nor is it to be used for any purpose other than that for which
* it is expressly provided without the written permission of
* PeopleSoft, Inc.
*
* Copyright (c) 1988-2002 PeopleSoft, Inc. All Rights Reserved
* ****
*
* SourceSafe Information:
*
* ****
*
* ****-->
<HEAD>
  <meta HTTP-EQUIV='Refresh' CONTENT='0;
  URL=https://my.school.edu/cas/login?service=https://webserver.calstate.edu/psp/PeopleS
  oft_Environment/?cmd=login%26languageCd=ENG%26userid=PS%26pwd=z'>
</HEAD>
</HTML>
```

G. COOKIESREQUIRED.HTML

```
<HTML>
<!--* ****
* Confidentiality Information:
*
* This module is the confidential and proprietary information of
* PeopleSoft, Inc.; it is not to be copied, reproduced, or
* transmitted in any form, by any means, in whole or in part,
* nor is it to be used for any purpose other than that for which
* it is expressly provided without the written permission of
* PeopleSoft, Inc.
*
* Copyright (c) 1988-2001 PeopleSoft, Inc. All Rights Reserved
* ****
*
* SourceSafe Information:
*
* ****
*
* ****-->
<HEAD>
  <meta HTTP-EQUIV='Refresh' CONTENT='0;
  URL=https://my.school.edu/cas/login?service=https://webserver.calstate.edu/psp/PeopleS
  oft_Environment/?cmd=login%26languageCd=ENG%26userid=PS%26pwd=z'>
</HEAD>
</HTML>
```