

IceWall SSO

Version 10.0

Standard HTML Customization Guide

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1 Introduction

This guide provides information on the restrictions required for customizing HTML pages used by IceWall SSO.

The HTML files described in this document are the standard HTML files provided with IceWall SSO 10.0 or higher.

1.1 Version designations in the text

The table below gives the meanings of the version designations added to the text.

Designation	Meaning
10.0	An item added with the version enclosed in the square. In this case, the designation indicates the item was added with 10.0.
10.0	An item where the specification was changed or function added with the version enclosed in the oval. In this case, the designation indicates a specification change or added function with 10.0.

1.2 List of HTML files provided with IceWall SSO

(1) User authentication pages

Page name	File name
Login page	login.html
Client Certificate Login page	login_cert.html
Pre-Authenticated Error page	login_cert_error.html
Certificate Serial Number Error page	login_error.html
Forced Login page	login_force.html
No Group Error page	login_group_error.html
Login Limit Error page	login_limit_error.html
Account Lock Error page	login_lock_error.html
Login send time restriction error page	login_postlimit_error.html
Password Error page	login_pwd_error.html
Login Stop Error page	login_stop.html
User ID Error page	login_userid_error.html

(2) Access privileges pages

Page name	File name
Access Privileges Error page	access_error.html
Data Send Error page	datasend_error.html
Request filter error page 10.0	filter_request_error.html
Request ACL error page 10.0	request_acl_error.html

(3) POST data inheritance pages

Page name	File name
POST data maximum size error page	max_postsize_err.html

(4) Logout pages

Page name	File name
Logout page	logout.html
Logout Error page	logout_error.html
Logout Failed page	logout_no.html
Logout Successful page	logout_ok.html

(5) Password change pages

Page name	File name
Password Change page 10.0	pwdchg.html
Password Change Error page 10.0	pwdchg_err.html
No Login Error page 10.0	pwdchg_nologin.html
Password Change Success page 10.0	pwdchg_ok.html
Current Password Entry Error page 10.0	pwdchg_oldpasserr.html
Password Policy Error page 10.0	pwdchg_policy_err.html
Password change send time restriction error	pwdchg_postlimit_err.html
page 10.0	
Password Change Prohibited Error page 10.0	pwdchg_pwvioerr.html
New Password Error page 10.0	pwdchg_repasserr.html
Password Expiration Warning page 10.0	pwdchg_warning.html

(6) Cross site scripting policy pages

Page name	File name
GET Filter Error page	filter_get_error.html
POST Filter Error page	filter_post_error.html
HTML Filter Error page	filter_html_error.html
HOST Filter Error page	filter_svr_error.html

(7) System pages

Page name	File name
Undefined Alias Error page	system_alias_error.html
Backend Web Server Down Error page	system_backend_error.html
Authentication Module Down Error page	system_certd_error.html
System Error page	system_error.html

Page name	File name
Authentication DB Down Error page	system_ldap_error.html
Alias Unspecified Error page	system_server_error.html
Backend Web Server Timeout Error page	system_timeout_bkend.html
Authentication Module Timeout Error page	system_timeout_certd.html
Database busy error page 10.0	system_busy_database.html
User-Defined Error page 1	usr_ext1.html
User-Defined Error page 2	usr_ext2.html
User-Defined Error page 3	usr_ext3.html
User-Defined Error page 4	usr_ext4.html
User-Defined Error page 5	usr_ext5.html
User-Defined Error page 6	usr_ext6.html

HTML files for Forwarder are located in the /opt/icewall-sso/dfw/html directory.

In IceWall SSO, you can configure the system to use specific HTML pages by linking parameters with particular purposes to the HTML files listed above. These parameters are set in /opt/icewall-sso/dfw/cgi-bin/html.conf.

1.3 Using IceWall SSO on a handheld device

The initial state of the HTML documents has been configured under the assumption that they will be used by a web browser installed on a PC.

To use IceWall SSO on an handheld device, HTML documents coded with only the minimum required elements have been prepared. You can use the HTML documents for handheld devices by editing the DOCS parameter in the Forwarder configuration file (dfw.conf) as shown below.

DOCS=/opt/icewall-sso/dfw/cgi-bin/chtml.conf

The HTML documents for handheld devices are based on "i-mode compatible HTML version 1.0" from NTT DOCOMO.

Customize the HTML documents to the content standard supported by the carrier for the handheld devices that will be used.

1.4 Notice

The following chapters describe each of the standard HTML files provided with IceWall SSO.

In this document, reference information for each HTML file consists of a screen image, the HTML source code, and a description.

The reserved variables (specific keywords) used in IceWall SSO have unique names and are used when HTML files are converted by Forwarder. There are other variables that pass data from an HTML page to IceWall SSO, and these variables

also have unique names. In the source code section of the description for the HTML files, those variables are enclosed by a rectangle. If you are going to customize HTML files, please pay special attention to those variable names when editing HTML files.

The style sheet definition given below is included within the <HEAD> tags for each HTML file, but the definition is omitted from the source code sections of this document.

```
<style type="text/css">
<!--
BODY, TD {
  font-family: Verdana, Arial, Helvetica, Sans-serif;
  font-size: 12px;
a:hover
  color: #ff3300;
  text-decoration: underline;
.title {
  font-size: 18px;
  font-family: Verdana, Arial, Helvetica, Sans-serif;
.sub-title
  font-size: 16px;
  font-family: Verdana, Arial, Helvetica, Sans-serif;
  line-height: 18px;
.sub-title2 {
  font-size: 14px;
  font-family: Verdana, Arial, Helvetica, Sans-serif;
.footer
       {
  font-size: 11px;
  font-family: Verdana, Arial, Helvetica, Sans-serif;
-->
</style>
```

1.5 Image files

Some image files are used in the standard HTML pages. The following image files are used.

File Name	Intended use
arrow.gif	The arrow symbol indicating a link to the relogin page
arrow2.gif	The arrow symbol indicating a link to the previous page if an error occurs during a password change
curve_b.gif	The rounded corner at the top left of a dialog box (blue) within
	a page

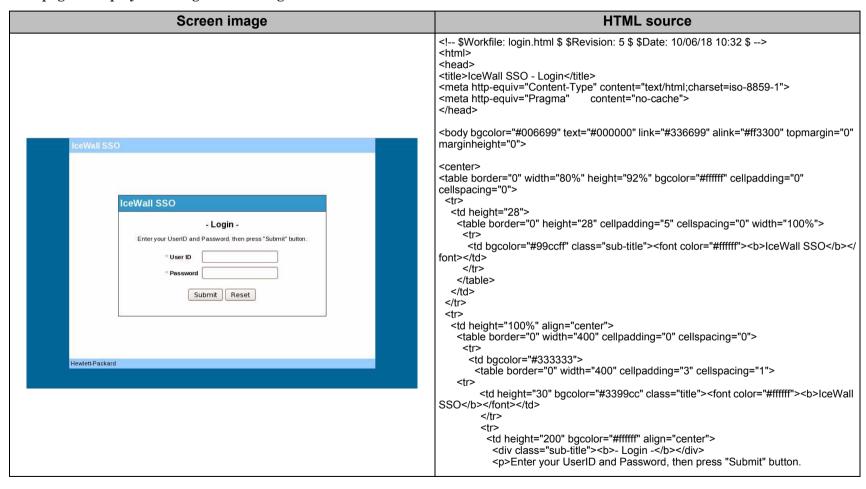
File Name	Intended use
curve_r.gif	The rounded corner at the top left of a dialog box (red) within a
	page
error.gif	"ERROR" message displayed when an error occurs
footer.gif	The company name at the bottom of the page
header.gif	The product name at the top of the page
title_b.gif	The product name in a dialog box (blue) within a page
title_r.gif	The product name in a dialog box (red) within a page

^{*} These files are stored in the /opt/icewall-sso/dfw/html/image directory.

2 User Authentication Pages

2.1 Login page (login.html)

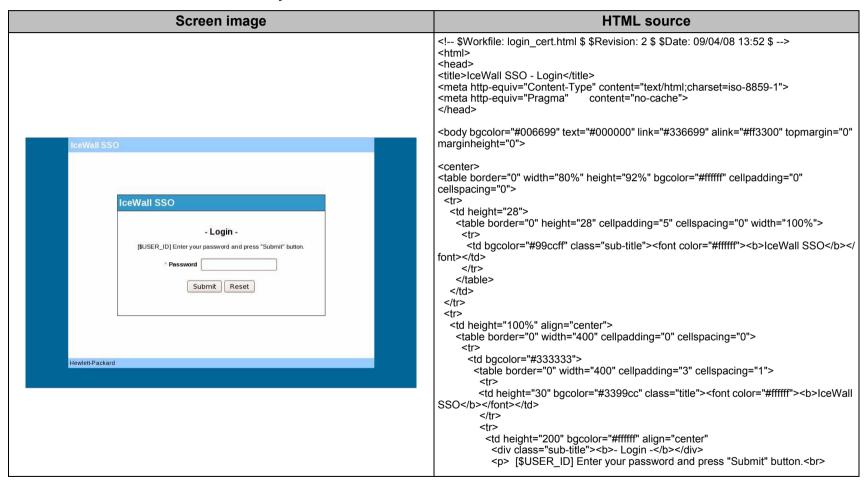
This page is displayed during a normal login.



Screen image	HTML source
	<form [action="\$DFW" [method="POST"]="" name="form"></form>
	* User ID
	* Password > <input name="PASSWORD" type="password" =""/>
	<pre> cinput type="hidden" neme=" DEUDL" velue="EUDEUD"]></pre>
	<pre><input name="HIDEURL" type="hidden" value="\$HIDEURL" =""/> <input name="LOGIN" type="hidden" value="\$KEY_LOGIN" =""/></pre>
	<input name="LIMIT" type="hidden" value="\$POST_LIMIT" =""/>
	<input name="SUBMIT" type="submit" value=" Submit "/>
	<input type="reset" value=" Reset "/>
	Hewlett-Packard
	//ocilici>

2.2 Client Certificate Login page (login_cert.html)

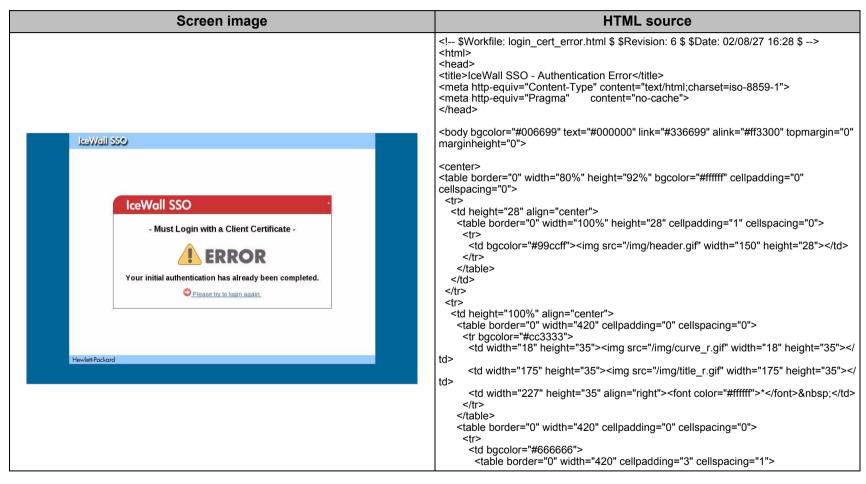
This login page is displayed when the web server requests a client certificate for login and asks the user to use the certificate to log into IceWall SSO. Forwarder automatically retrieves the user ID from the client certificate.



Screen image	HTML source
	<form action="\$DFW" method="POST" name="form"></form>
	<pre>* Password</pre>
	<pre> <input type="hidden" value="\$HIDEURL" ="" name="HIDEURL"/></pre>
	<pre><input flatfie="flibetist" type="fliddefl" value="\$flibetist" =""/> <input name="LOGIN" type="hidden" value="\$KEY_LOGIN" =""/></pre>
	<pre><input name="LIMIT" type="hidden" value="\$POST_LIMIT" =""/></pre>
	<input name="SUBMIT" type="submit" value=" Submit "/>
	<input type="reset" value=" Reset "/>
	Hewlett-Packard

2.3 Pre-authenticated Error page (login_cert_error.html)

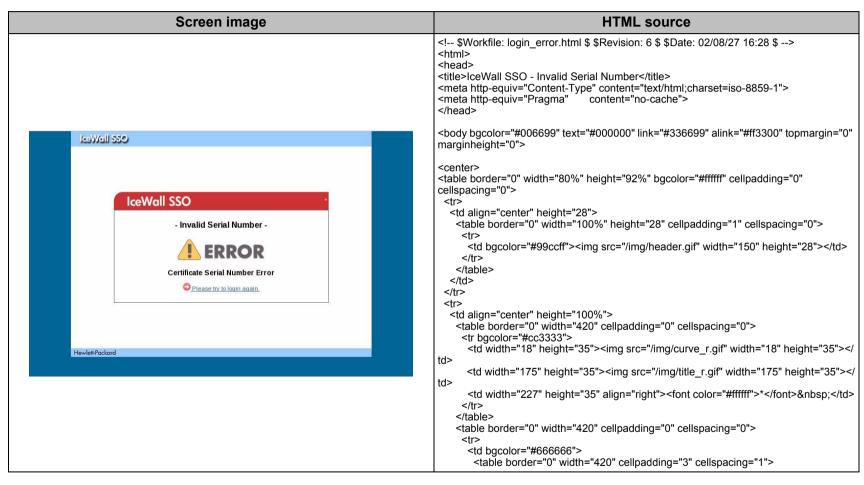
This page is displayed when a user with a client certificate attempts to log in by user ID authentication. You can configure the Authentication Module so as to allow or disallow user ID authentication for users with the certificate.



Screen image	HTML source
	<div class="sub-title"><b-> Must Login with a Client Certificate -</b-></div> <div class="sub-title2">Your initial authentication has already been completed. <a< th=""></a<></div>

2.4 Certificate Serial Number Error page (login_error.html)

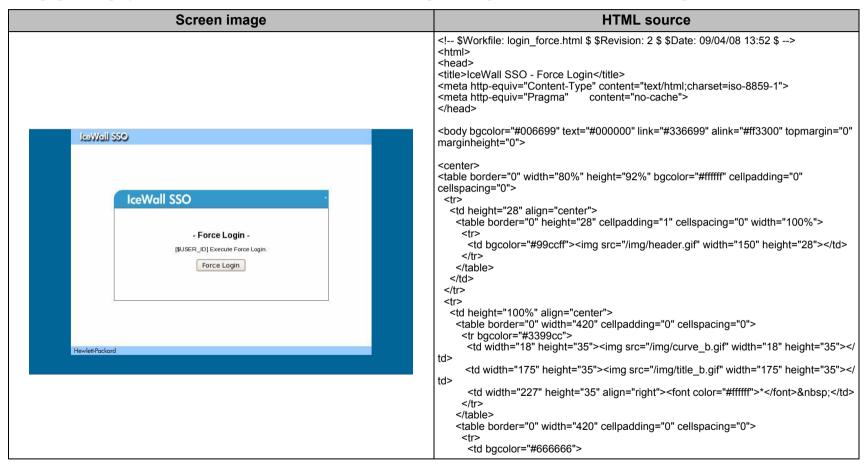
This page is displayed when the client certificate serial number registered in the database used by the Authentication Module does not match the client certificate serial number retrieved from the web server.



Screen image	HTML source
	<pre></pre>

2.5 Forced Login page (login_force.html)

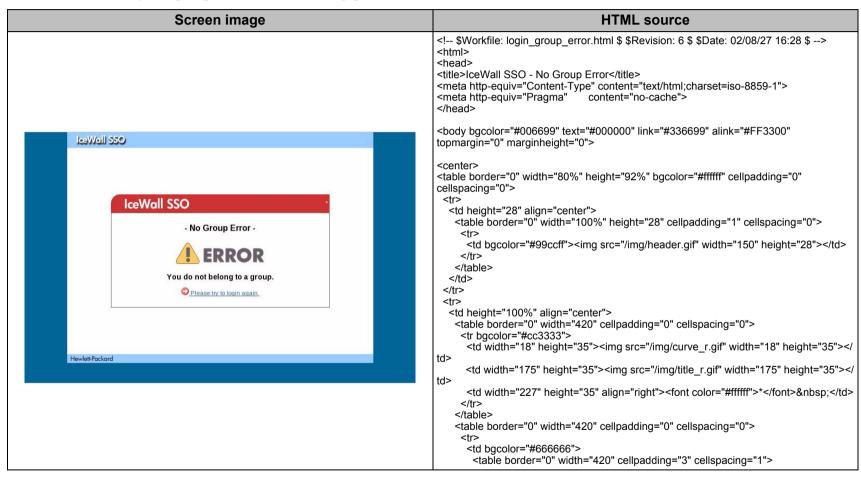
This page is displayed to ask a user whether to log in discarding the login access privileges of an existing user already logged in. This page is displayed if the Authentication Module disallows duplicate logins and forces an exclusive login function.



Screen image	HTML source
	<pre></pre>

2.6 No Group Error page (login_group_error.html)

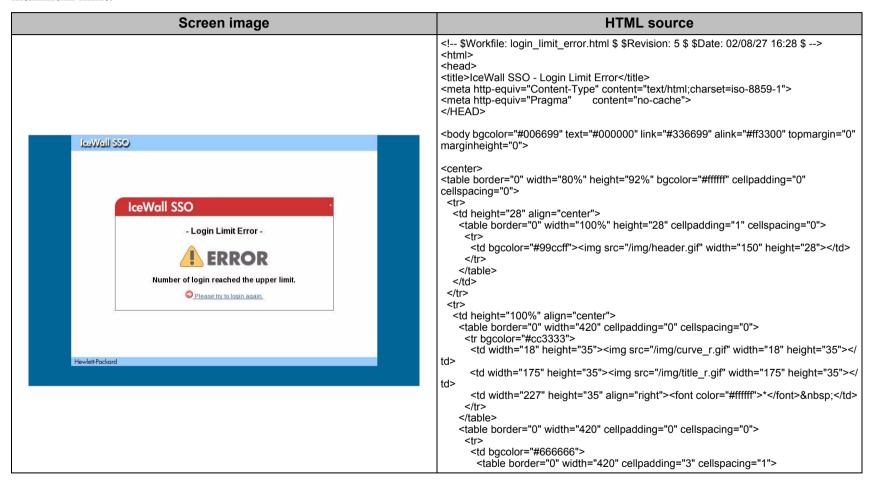
This page is displayed when user information exists in the Authentication DB connected by the Authentication Module but that user is not defined by the group definition file (cert.grp) for the Authentication Module.



Screen image	HTML source
	<pre></pre>

2.7 Login Limit Error page (login_limit_error.html)

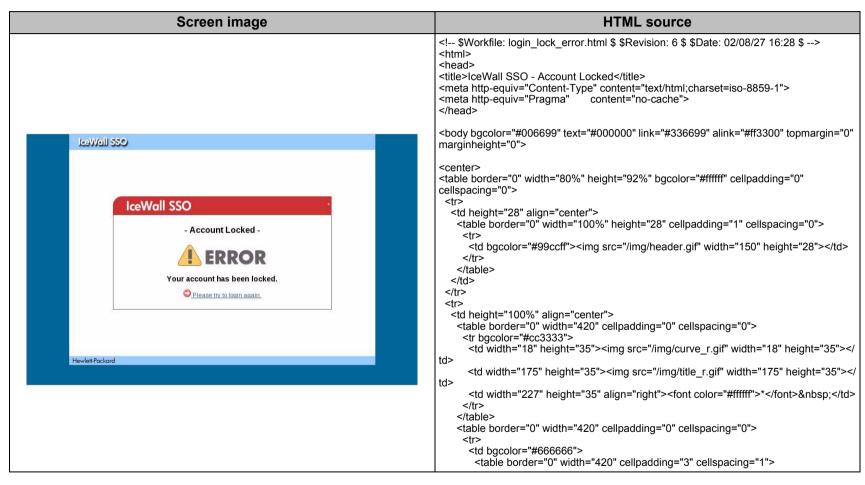
This page is displayed when a user tries to log in while the number of users logged in to the Authentication Module has reached the maximum limit.



Screen image	HTML source
	<div class="sub-title"><b-> Login Limit Error -</b-></div> <div class="sub-title2">Number of login reached the upper limit. div> <a< th=""></a<></div>
	/html>

2.8 Account Lock Error page (login_lock_error.html)

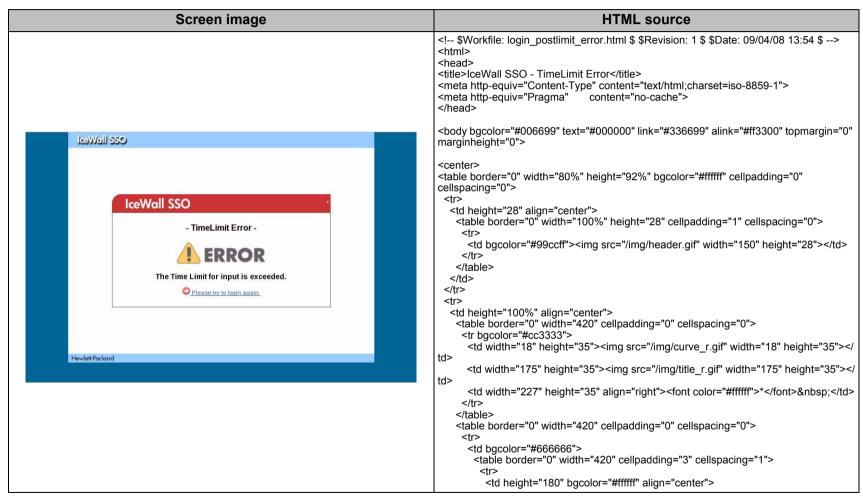
This page is displayed when the user enters an incorrect password more than the configured number of times while the IceWall SSO account lock function is enabled.



Screen image	HTML source
	div class="sub-title"> - Account Locked - <div class="sub-title2">>b>Your account has been locked.</div> <a [href="\$REQUEST_URL"]<="" p=""> ><a [href="\$REQUEST_URL"]<="" td="">

2.9 Login send time restriction error page (login_postlimit_error.html)

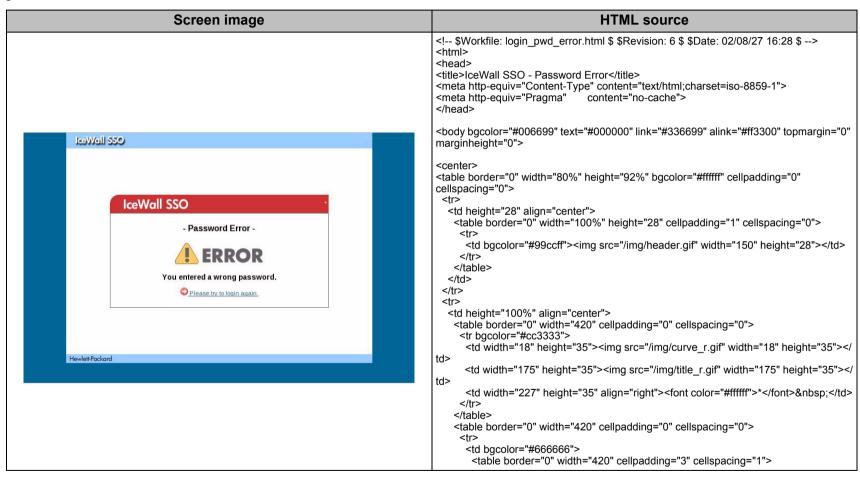
This page is displayed when POST data is sent after exceeding the time limit during logins including forced logins.



Screen image	HTML source
Screen Image	<pre>cdiv class="sub-title">- TimeLimit Error - simg src="/img/error.gif" width="180" height="50" alt="ERROR"><div class="sub-title2">The Time Limit for input is exceeded.</div> p>& holder="0">& holder="0" holder="0">& holder="0">& holder="0" holder="0">& holder="0" holder="0">& holder="0" holder="0">& holder="0" holder="0">& holder="0" holder="0">& holder="0" holder="0" holder="0" holder="0">& holder="0" holder="0" holder="0" holder="0">& holder="0" holder="0" holder="0">& holder="0" holder="0" holder="0">& holder="0" holder="0" holder="0" holder="0">& holder="0" holder="0" holder="0" holder="0">& holder="0" holder="0" holder="0" holder="0" holder="0">& holder="0" holde</pre>
	

2.10 Password Error page (login_pwd_error.html)

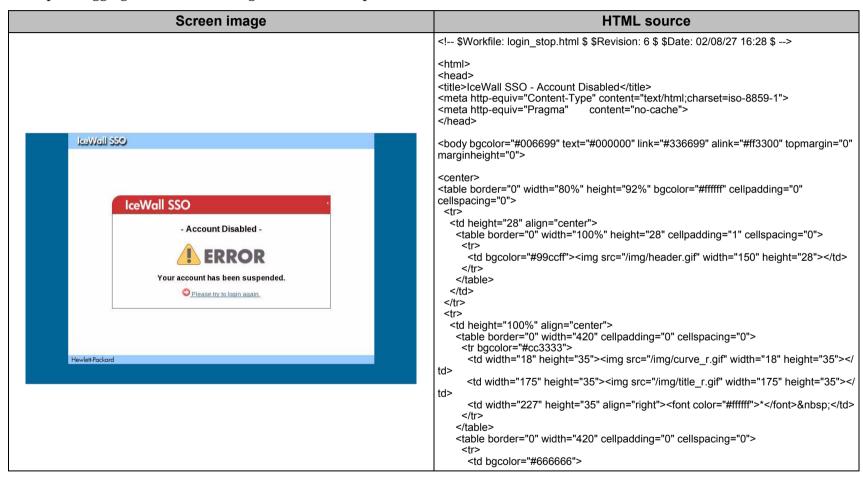
This page is displayed when the user ID exists in the Authentication DB connected by the Authentication Module, but the entered password is incorrect.



Screen image	HTML source
	div class="sub-title"> - Password Error - b> cimg src="/img/error.gif" width="180" height="50" alt="ERROR"> lnref="\$REQUEST_URL" > simg src="/img/arrow.gif" width="15" height="15" border="0"> simg src="/img/arrow.gif" width="15" border="0" width="100" height="15" cellpadding="1" cellspacing="0"> bgcolor="#99ccff"> <tmg height="15" src="/img/footer.gif" width="100"></tmg>

2.11 Login Stop Error page (login_stop.html)

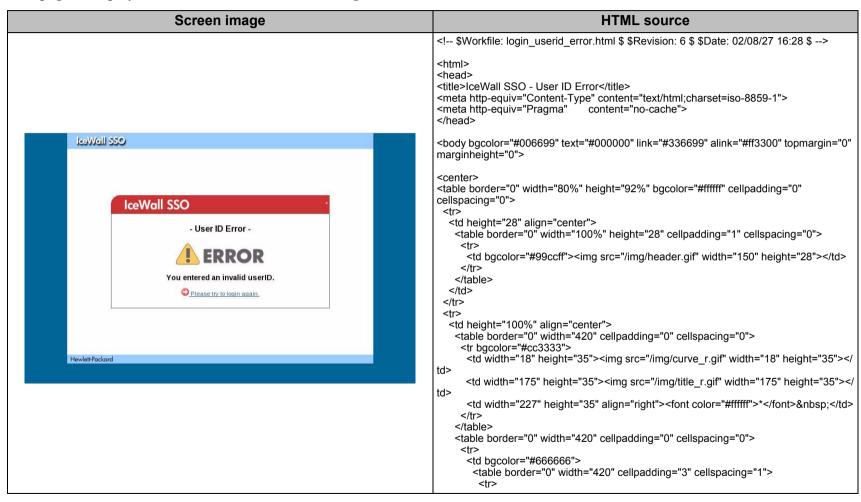
The IceWall SSO Administrator can prevent particular users from logging in. This page is displayed when the user makes an attempt at logging in while his/her login account is suspended.



Screen image	HTML source

2.12 User ID Error page (login_userid_error.html)

This page is displayed when the user ID entered at login is not correct.

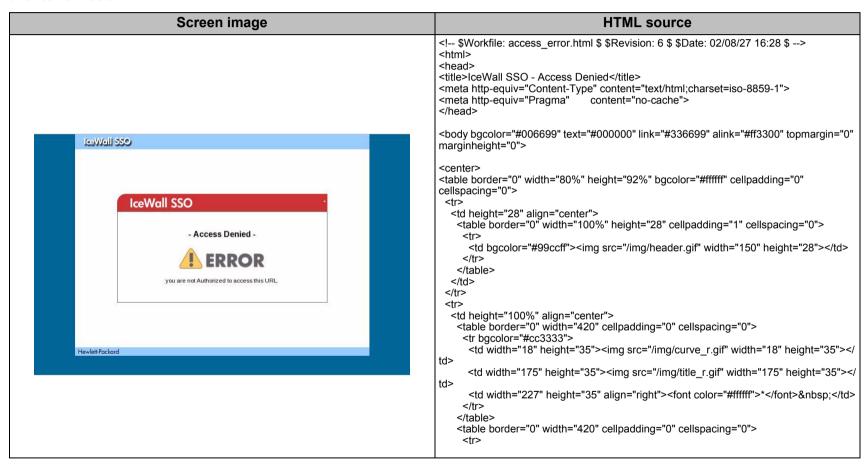


Screen image	HTML source
Screen Image	<pre>ctd height="180" bgcolor="#ffffff" align="center"></pre>

3 Access Privileges Pages

3.1 Access Privileges Error page (access_error.html)

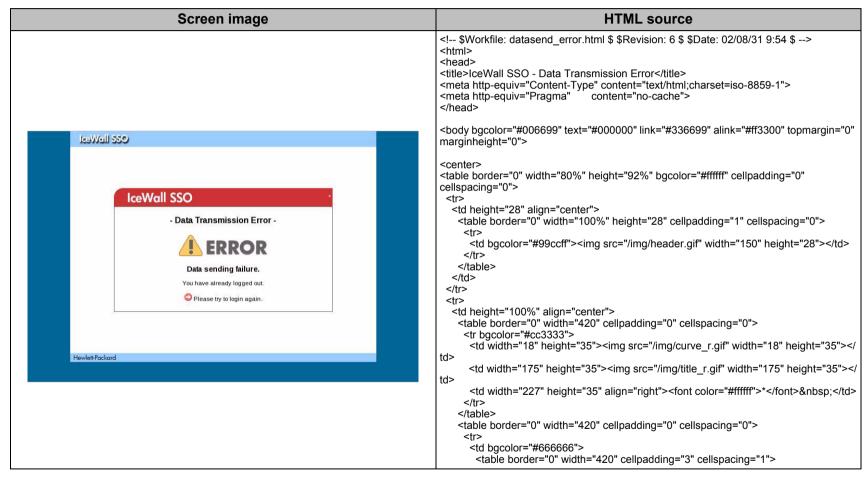
This page is displayed when a user currently logged in does not have access privileges for the requested Backend Web Server behind the IceWall SSO.



Screen image	HTML source

3.2 Data Send Error page (datasend_error.html)

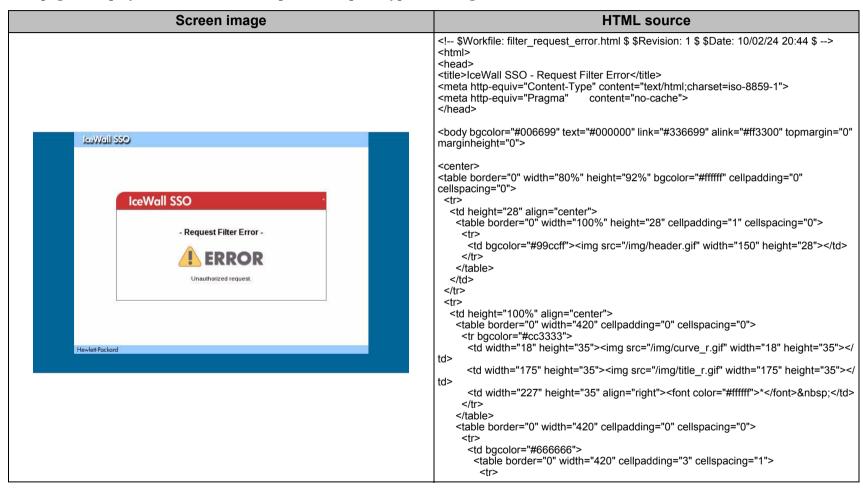
This page is displayed if the user is logged out when sending data from a browser to a backend web application server using the POST method. When this page is displayed, the data is discarded, and the user must relogin. This page is not displayed if the POST_INHERIT parameter in the Forwarder configuration file (dfw.conf) is set to 1.



Screen image	HTML source
	<pre></pre>

3.3 Request filter error page (filter_request_error.html) 10.0

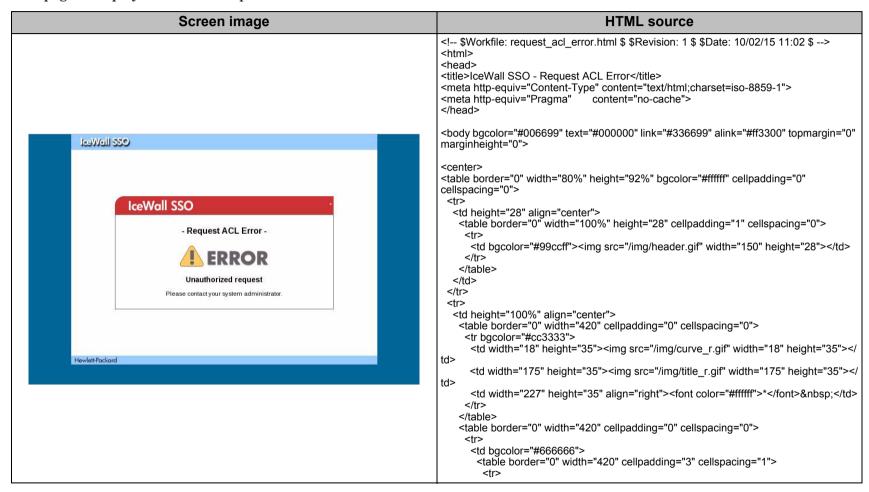
This page is displayed when a browser requests a request type not being allowed for web browsers.



Screen image	HTML source
Screen image	<pre></pre>

3.4 Request ACL error page (request_acl_error.html) 10.0

This page is displayed when the request to the Authentication Module is not allowed.

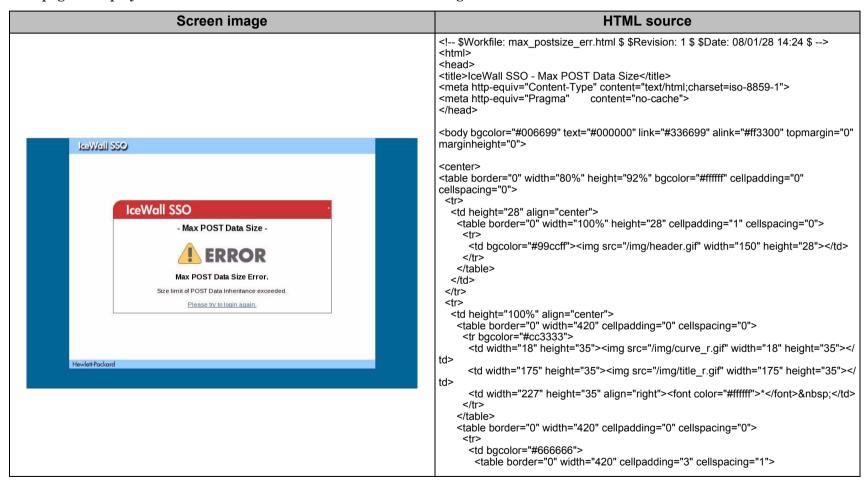


Screen image	HTML source
Screen image	

4 POST Data Inheritance Pages

4.1 POST Data Maximum Size Error page (max_postsize_err.html)

This page is displayed when the size of the POST data inherited at login exceeds the maximum limit.

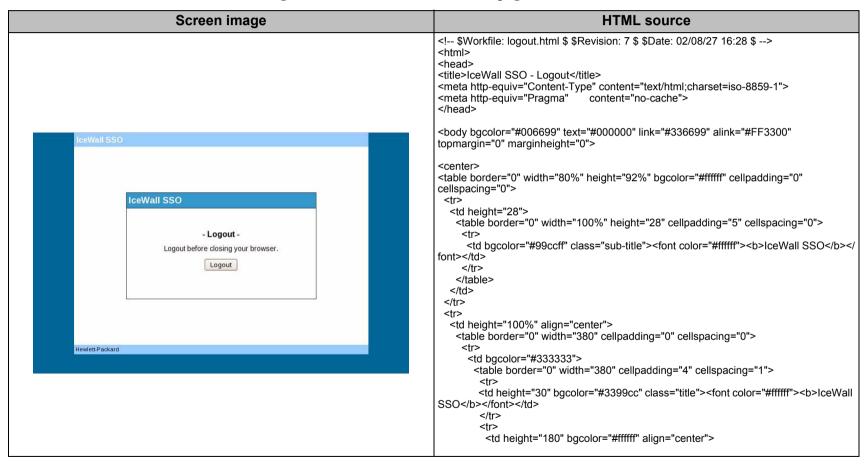


Screen image	HTML source
	<pre></pre>

5 Logout Pages

5.1 Logout page (logout.html)

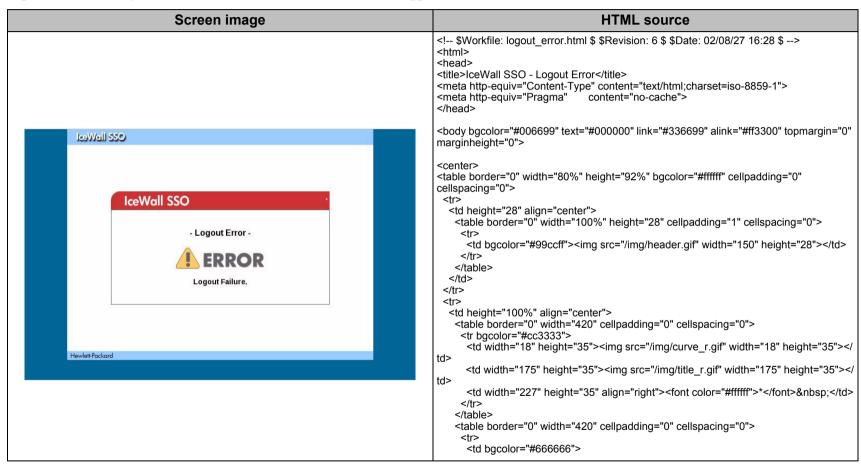
This page is displayed when a user accesses the alias for logout (set in the LOALIAS parameter in the Forwarder configuration file). You can set this alias in Forwarder. The logout function is available for this page.



HTML source
<pre></pre>

5.2 Logout Error page (logout_error.html)

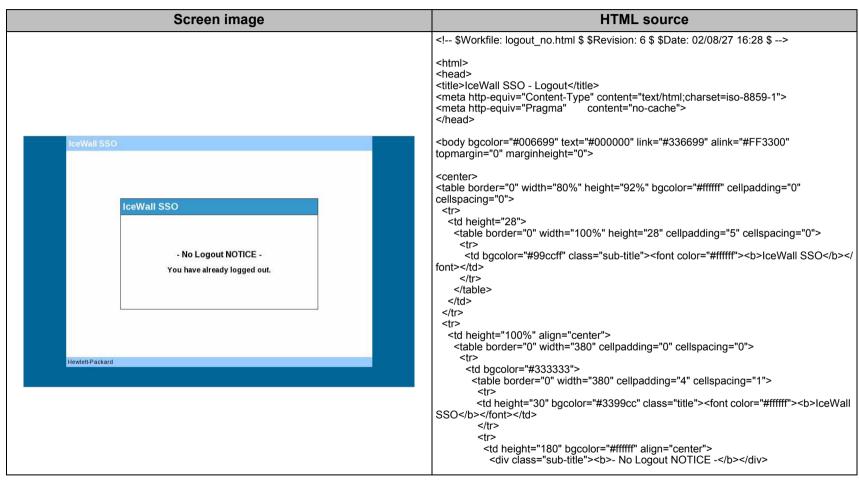
This page is displayed when logout fails for some reason. The Authentication Module may have been restarted or the cache expiration time may have been exceeded while the user was logged in.



Screen image	HTML source

5.3 Logout Failed page (logout_no.html)

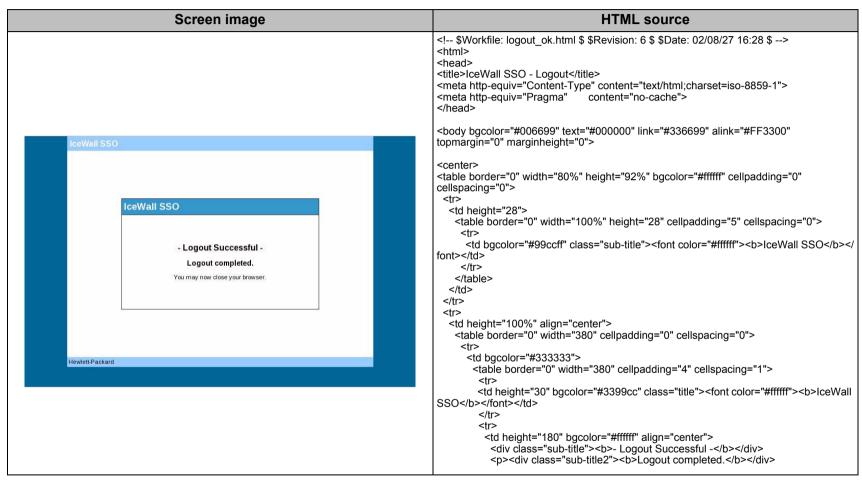
This page is displayed when a user who is already logged out attempts to log out again from a page cached in the browser.



Screen image	HTML source
	<pre></pre>

5.4 Logout Successful page (logout_ok.html)

This page shows that operations in the logout page were successful and the user logged out normally.

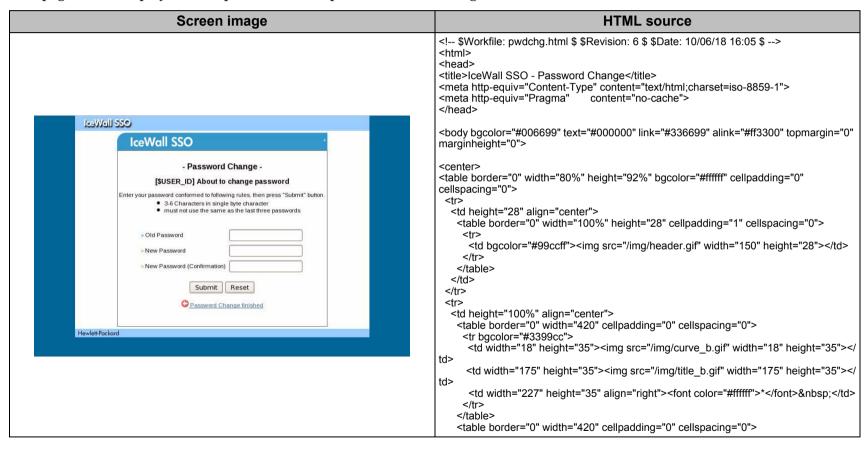


Screen image	HTML source
Screen image	<pre></pre>

6 Password Change Pages

6.1 Password Change page (pwdchg.html) 10.0

This page is displayed when a user accesses the password change alias (set in the PWDALIAS parameter in the Forwarder configuration file) while the password change function is enabled. This page is used for the password change procedure. This page is also displayed if the password has expired at the time of login.

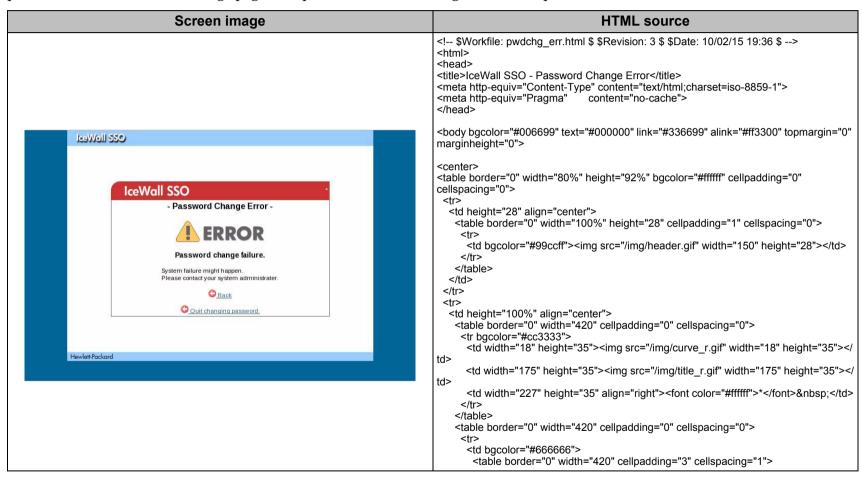


Screen image	HTML source
	<pre> bgcolor="#666666"></pre>

Screen image	HTML source
Screen image	<pre></pre>

6.2 Password Change Error page (pwdchg_err.html) 10.0

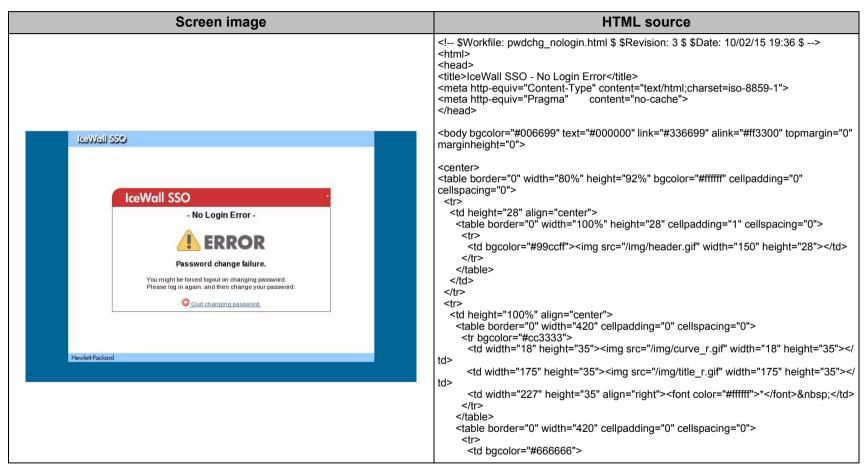
This page is displayed if updating the password in the Authentication DB fails for some reason after a user tries to change a password on the Password Change page. The password was not changed with the operation.



Screen image	HTML source
	<pre></pre>

6.3 No Login Error page (pwdchg_nologin.html)

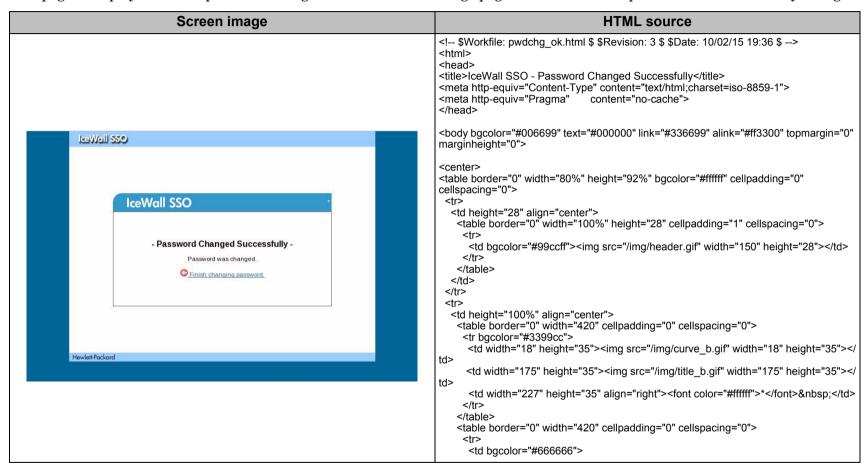
This page is displayed if an error occurs during an attempt to change the password for reasons such as the user being logged out of the Authentication Module or an error in the Authentication Module.



Screen image	HTML source
	<pre><div class="sub-title">- No Login Error -</div> </pre>
	<div class="sub-title2">Password change failure.</div>
	<pre> You might be forced logout on changing password. Please log in</pre>
	again, and then change your password.
	<img src="/img/arrow2.gif" th="" width="15" <=""/>
	height="15" border="0"> Quit changing password.
	<pre> </pre>
	

6.4 Password Change Success page (pwdchg_ok.html) 10.0

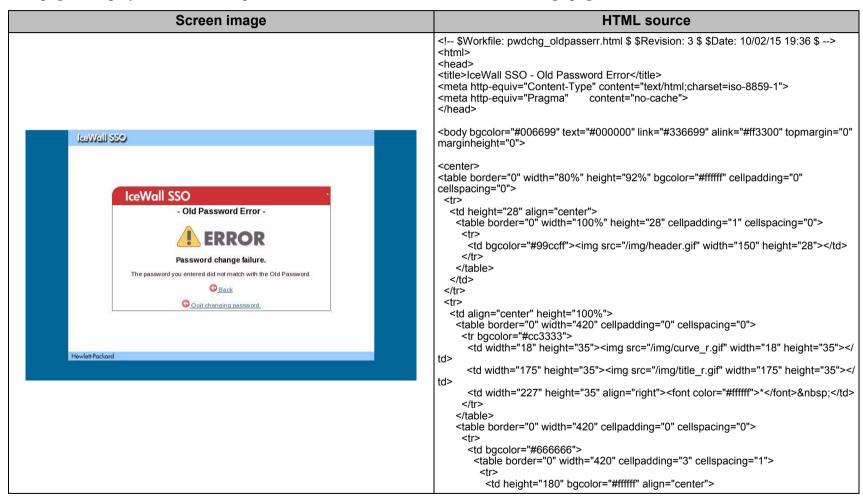
This page is displayed when a password change in the Password Change page is successful. The password was successfully changed.



Screen image	HTML source

6.5 Current Password Entry Error page (pwdchg_oldpasserr.html) 1000

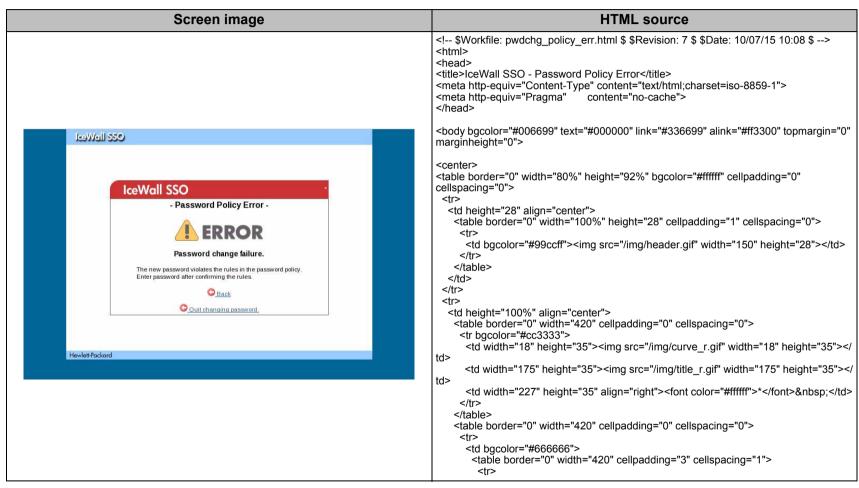
This page is displayed when the old password that is entered on the Password Change page is incorrect.



Screen image	HTML source
	<pre></pre>

6.6 Password Policy Error page (pwdchg_policy_err.html) 10.0

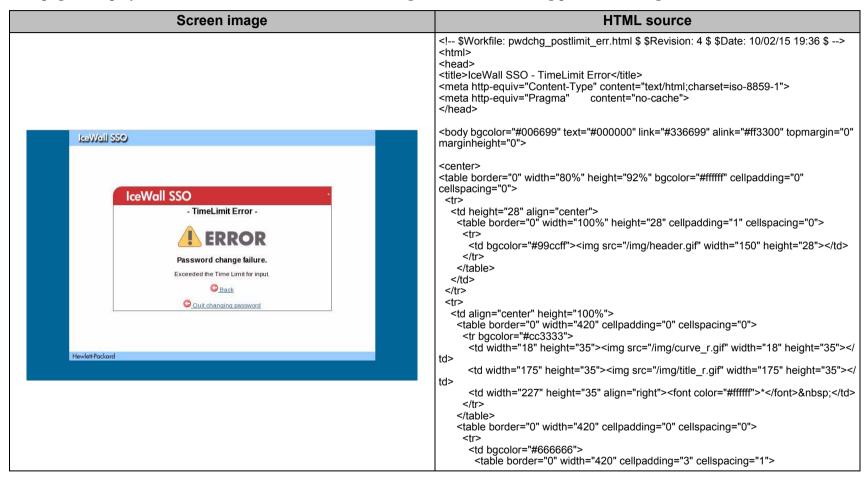
This page is displayed during a password change when the newly entered password violates the password policy. The password was not changed with the operation.



Screen image	HTML source
Screen image	<pre>### source <pre></pre></pre>

6.7 Password change send time restriction error page (pwdchg_postlimit_err.html) 10.0

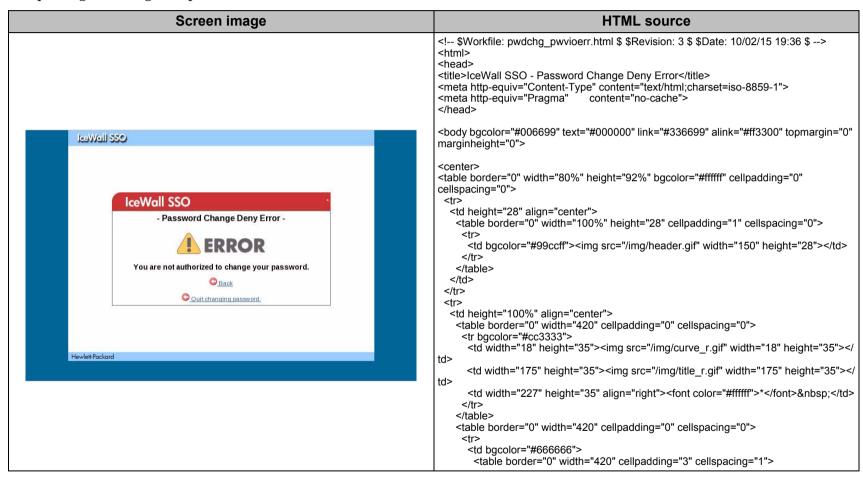
This page is displayed when POST data is sent after exceeding the time limit during password changes.



Screen image	HTML source
	height="180" bgcolor="#ffffff" align="center">
	/html>

6.8 Password Change Prohibited Error page (pwdchg_pwvioerr.html) 100

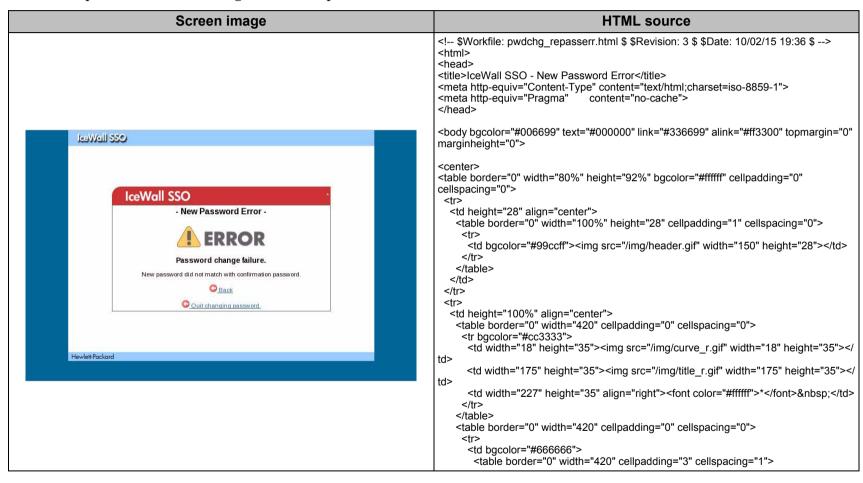
This page is displayed when a user who does not have the privilege to change a password makes an attempt to change the password. The privilege to change the password is set in the Authentication DB for each user.



Screen image	HTML source

6.9 New Password Error page (pwdchg_repasserr.html)

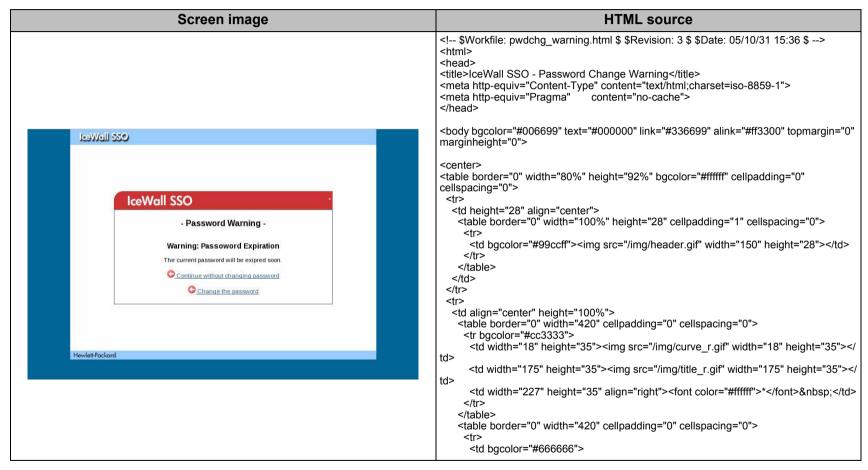
This page is displayed when the new password and the confirmation password that are entered on the Password Change page do not match. The password was not changed with the operation.



Screen image	HTML source
Screen image	<pre>html source</pre>

6.10 Password Expiration Warning page (pwdchg_warning.html)

This page is displayed at the time of login, if the password expiration date is approaching.

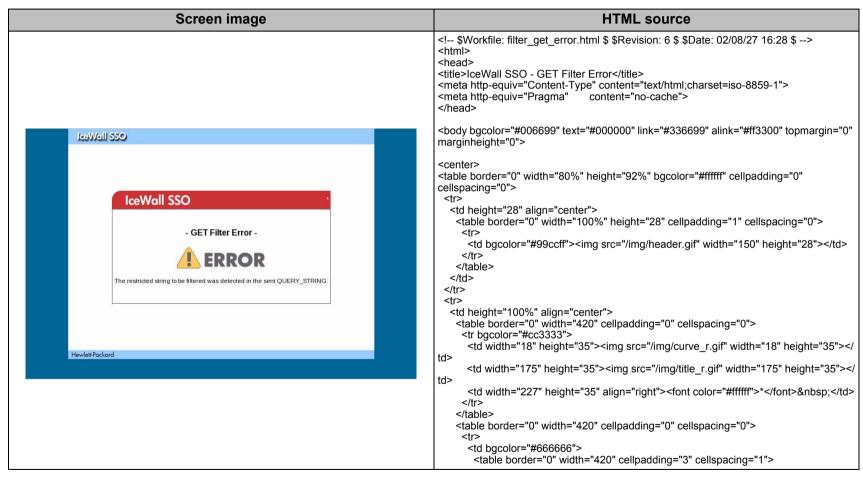


Screen image	HTML source
	<pre></pre>

7 Counter Cross Site Scripting Pages

7.1 GET Filter Error page (filter_get_error.html)

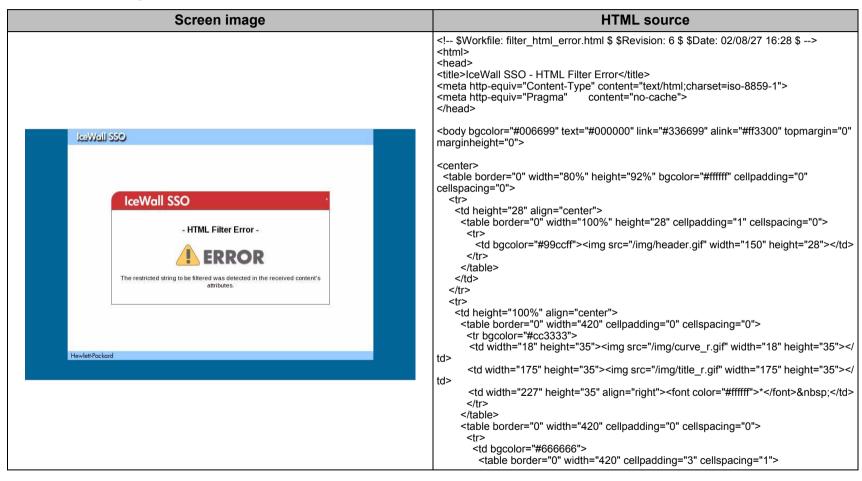
This page is displayed when a requested QUERY_STRING has a tag that could be a cross-site scripting attack. This page is displayed when the GETFILTER parameter is configured in the host configuration file and the GETFILTERERR parameter is 1.



Screen image	HTML source
Screen image	<pre></pre>

7.2 HTML Filter Error page (filter_html_error.html)

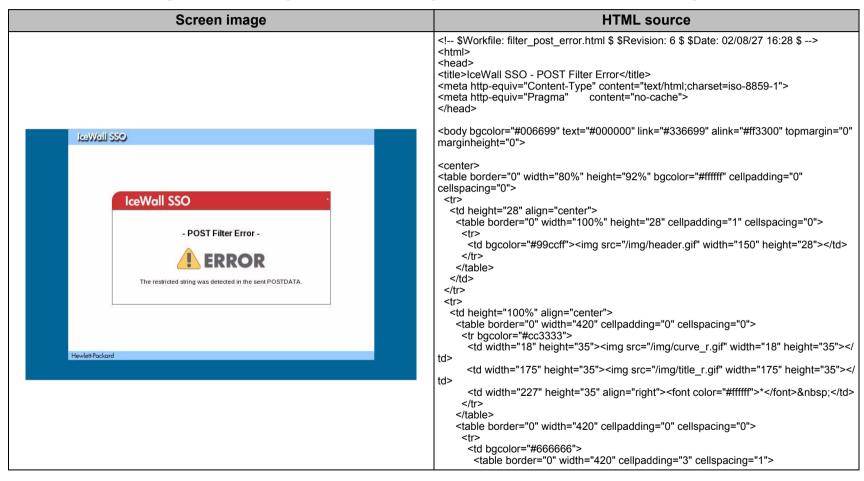
This page is displayed when a content link received from a Backend Web Server contains a tag that could be a cross-site scripting attack. This page is displayed when the HTMLFILTER parameter is configured in the host configuration file and the HTMLFILTERERR parameter is 1.



Screen image	HTML source
	height="180" bgcolor="#ffffff" align="center">height="180" bgcolor="#ffffff" align="center"> <div class="sub-title">- HTML Filter Error - /b></div> The restricted string to be filtered was detected in the received content's attributes. bgcolor="#99ccff">

7.3 POST Filter Error page (filter_post_error.html)

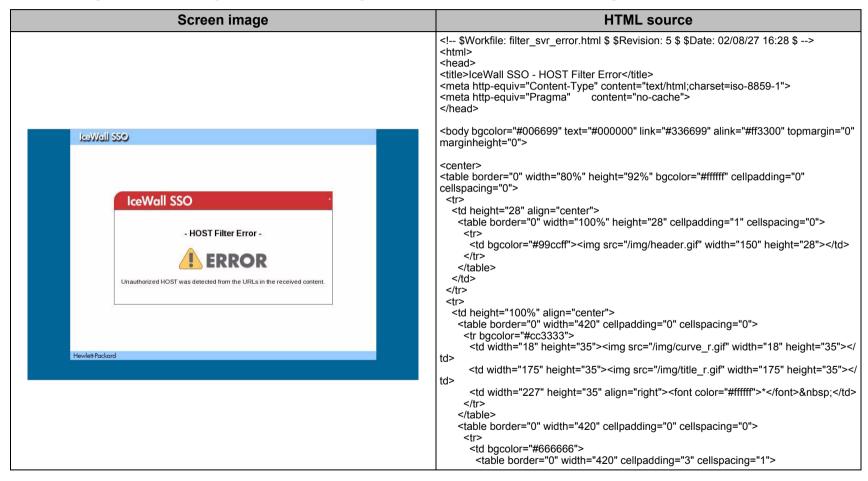
This page is displayed when requested POST data contains a tag that could be a cross-site scripting attack. This page is displayed when the POSTFILTER parameter is configured in the host configuration file and the POSTFILTERERR parameter is 1.



Screen image	HTML source
Screen Image	<pre></pre>

7.4 HOST Filter Error page (filter_svr_error.html)

This page is displayed when the content received from a backend server contains an undefined host. This page is displayed when the SVRFILTER parameter is configured in the host configuration file and the SVRFILTERERR parameter is 1.

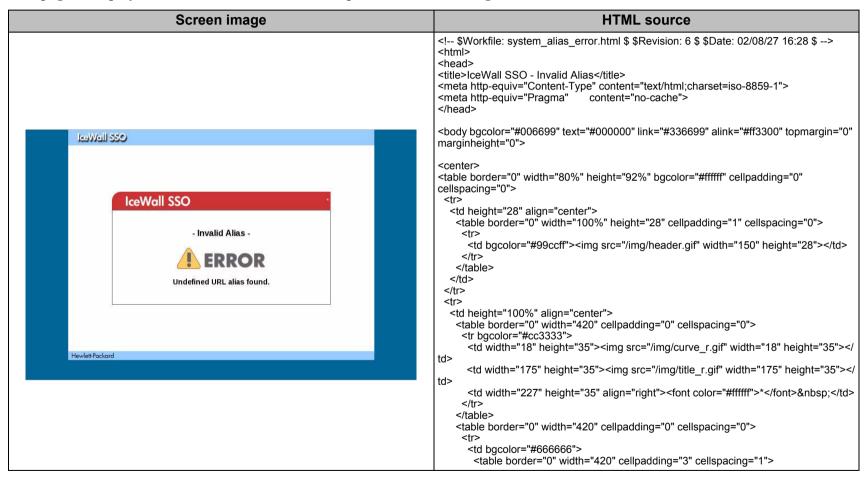


Screen image	HTML source
Screen image	td height="180" bgcolor="#ffffff" align="center"> - HOST Filter Error - Unauthorized HOST was detected from the URLs in the received content.

8 System Pages

8.1 Undefined Alias Error page (system_alias_error.html)

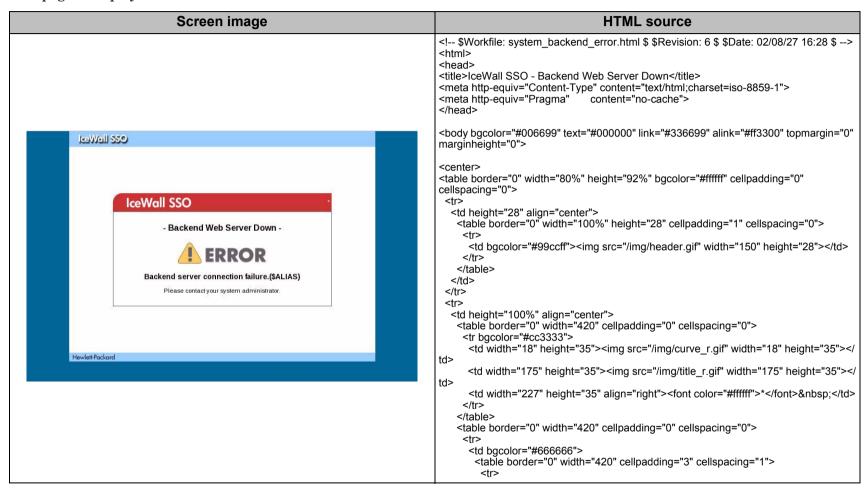
This page is displayed when an alias defined in a requested URL is not registered in the Forwarder.



Screen image	HTML source
Screen Image	<pre></pre>

8.2 Backend Web Server Down Error page (system_backend_error.html)

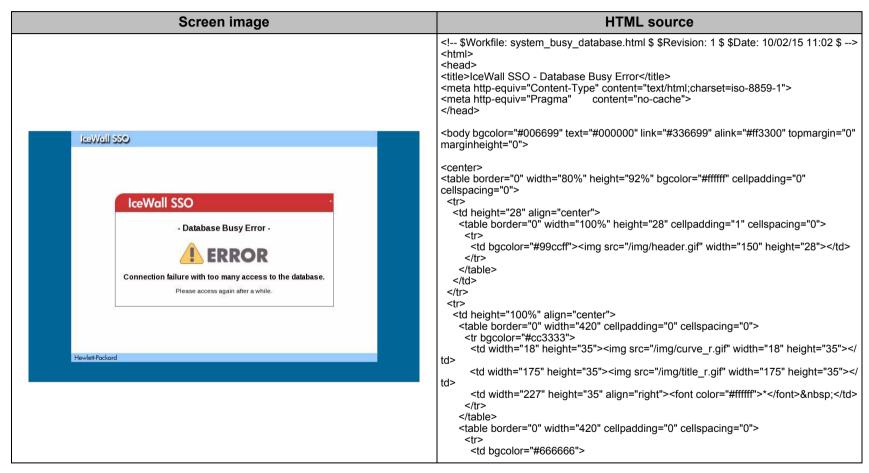
This page is displayed when the Forwarder cannot communicate with a Backend Web Server for some reason.



Screen image	HTML source

8.3 Database busy error page (system_busy_database.html) 10.0

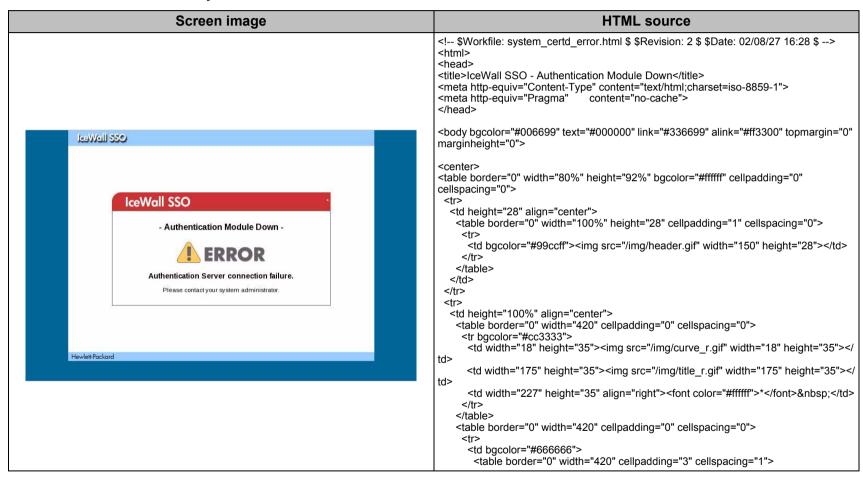
This page is displayed when processing cannot be performed in the Authentication Module because there are too many accesses to the database connection.



Screen image	HTML source

8.4 Authentication Module Down Error page (system_certd_error.html)

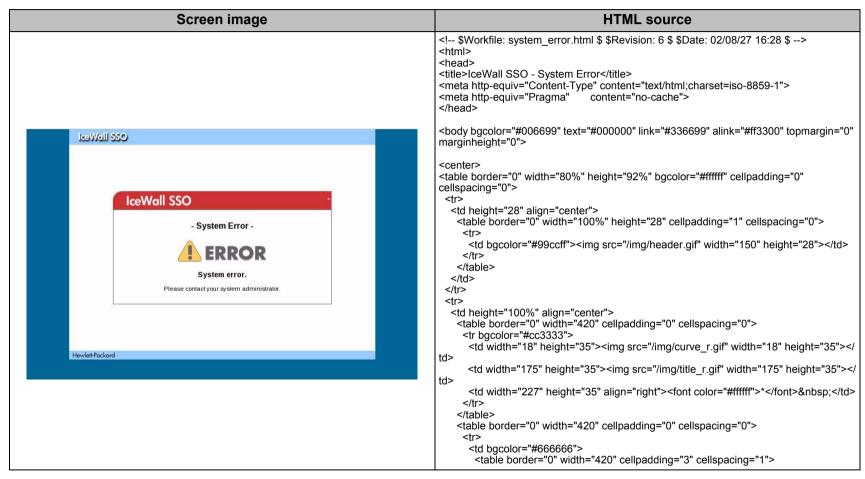
This page is displayed when the Forwarder cannot access the Authentication Module. The Authentication Module may be down or the Authentication Module may be inaccessible due to a network failure.



Screen image	HTML source

8.5 System Error page (system_error.html)

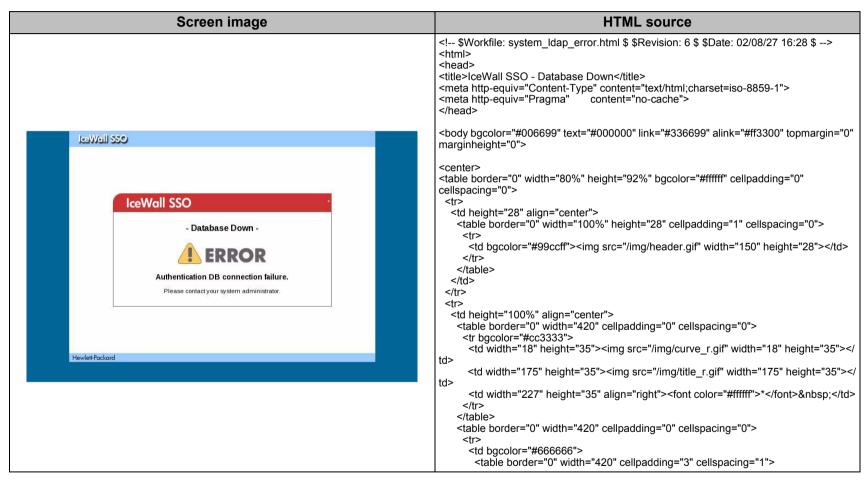
This page is displayed when a system error occurs in IceWall SSO.



Screen image	HTML source
Screen image	<pre></pre>

8.6 Authentication DB Down Error page (system_ldap_error.html)

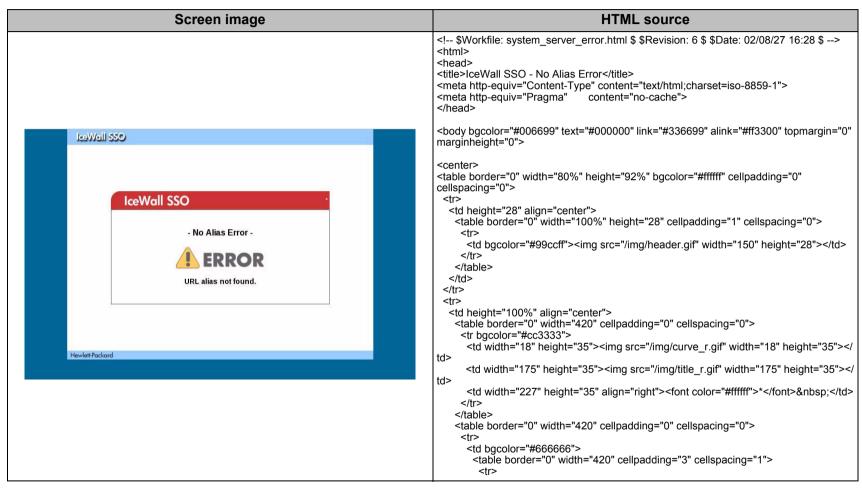
This page is displayed when the Authentication Module cannot connect to the Authentication DB. The Authentication DB may be down or inaccessible due to a network failure.



Screen image	HTML source
Screen image	>div class="sub-title"> > Database Down - <div class="sub-title2">> Authentication DB connection failure.</div> Please contact your system administrator.

8.7 Alias Unspecified Error page (system_server_error.html)

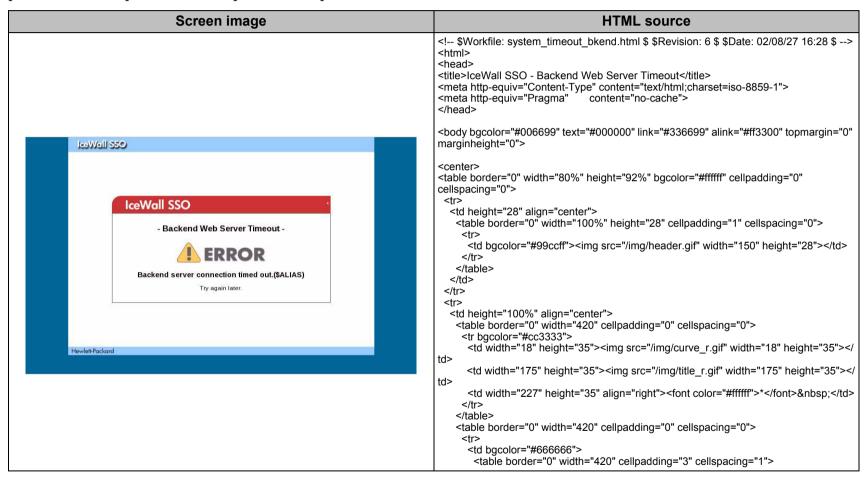
This page is displayed when no alias is specified in the requested URL.



Screen image	HTML source
Screen image	<pre></pre>

8.8 Backend Web Server Timeout Error page (system_timeout_bkend.html)

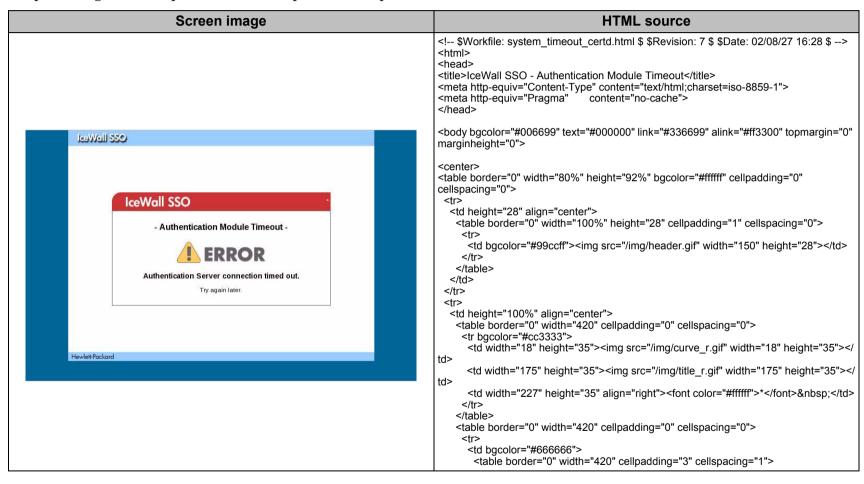
This page is displayed when a connection is established in communications between Forwarder and a Backend Web Server but the process is not completed within a specified time period.



Screen image	HTML source
	<pre></pre>

8.9 Authentication Module Timeout Error page (system_timeout_certd.html)

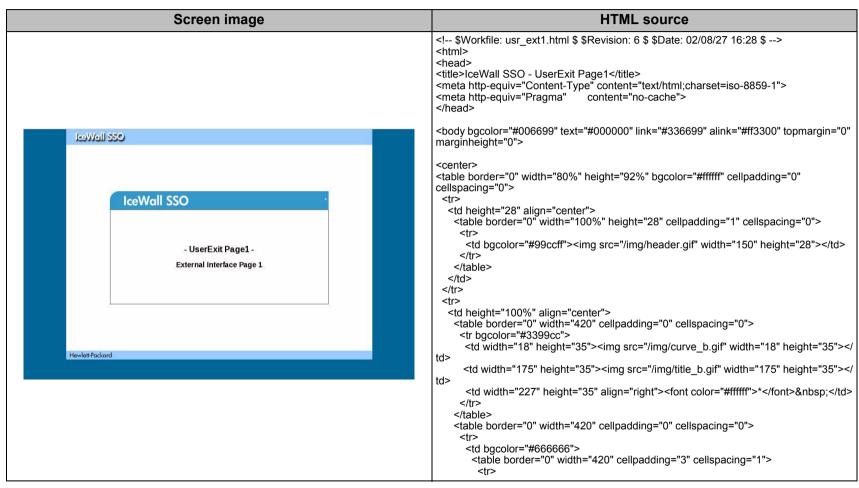
This page is displayed when a connection is established in communications between the Forwarder and the Authentication Module, but processing is not completed within the specified time period.



Screen image	HTML source
	<pre></pre>

8.10 User-Defined Error page 1 (usr_ext1.html)

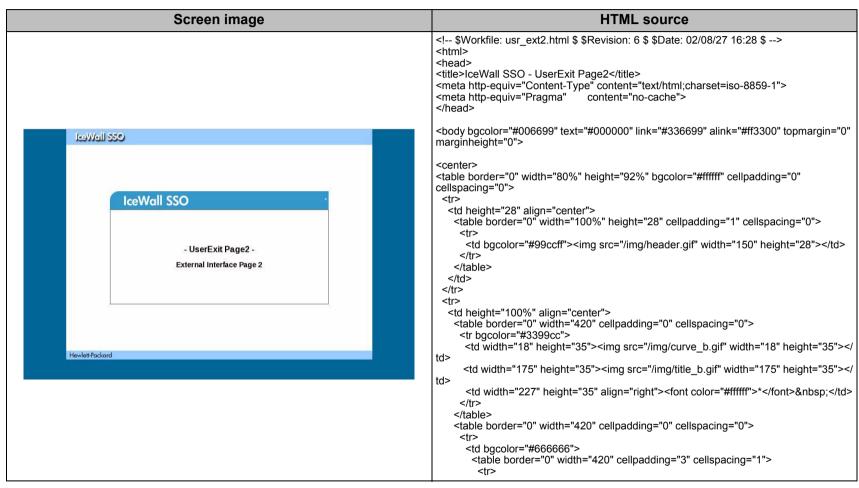
This page is displayed when the user-defined error 1 is specified in the UserExit routine of the Authentication Module.



Screen image	HTML source

8.11 User-Defined Error page 2 (usr_ext2.html)

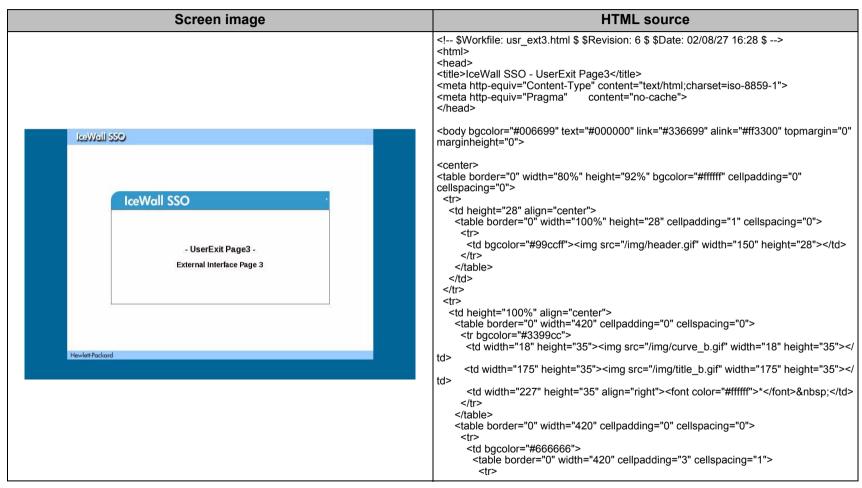
This page is displayed when the user-defined error 2 is specified in the UserExit routine of the Authentication Module.



Screen image	HTML source

8.12 User-Defined Error page 3 (usr_ext3.html)

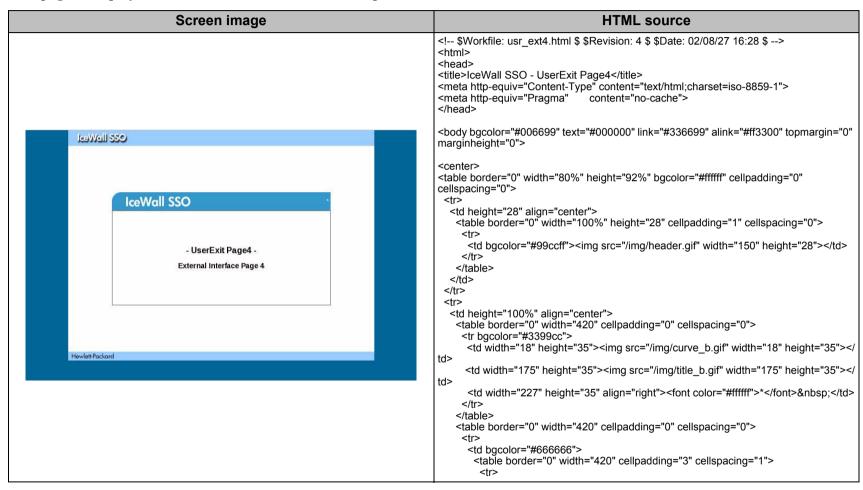
This page is displayed when the user-defined error 3 is specified in the UserExit routine of the Authentication Module.



Screen image	HTML source

8.13 User-Defined Error page 4 (usr_ext4.html)

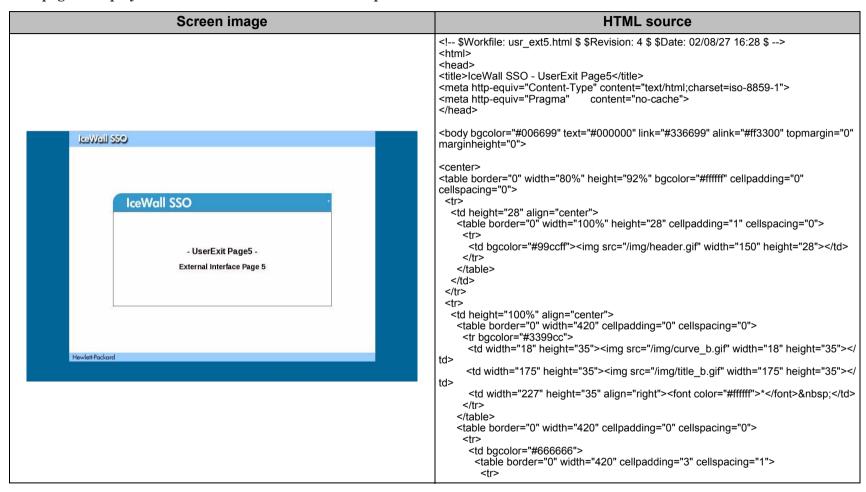
This page is displayed when the user-defined error 4 is specified in the UserExit routine of the Forwarder.



Screen image	HTML source

8.14 User-Defined Error page 5 (usr_ext5.html)

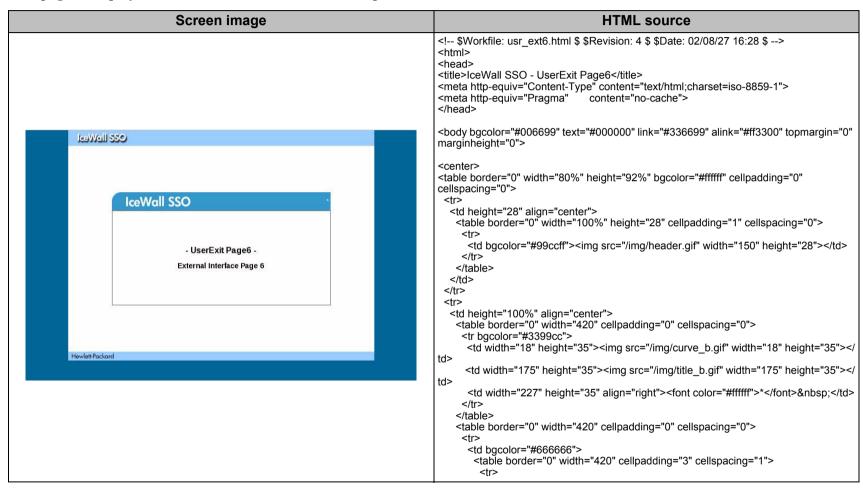
This page is displayed when the user-defined error 5 is specified in the UserExit routine of the Forwarder.



Screen image	HTML source
	/html>

8.15 User-Defined Error page 6 (usr_ext6.html)

This page is displayed when the user-defined error 6 is specified in the UserExit routine of the Forwarder.



Screen image	HTML source