

# Comodo Hosted Login – Integration Guide

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## Version History

- 1.0 Original version.
- 1.01 Changed: To workaround incompatibilities with Opera 7, submitLoginDetails() now accepts the login name and password as parameters.  
Added: To workaround security restrictions with Opera and Konqueror, the "e\_invalidLoginDetails" field has been added to the loginForm.

## 1. Introduction

The Comodo Hosted Login system allows you, a Comodo Reseller, to seamlessly "host" the customer login process on your own webpages. This document contains complete instructions to enable you to implement the Hosted Login system on your website. To see a working implementation of the Hosted Login system, please visit <http://www.instantssl.com>.

## 2. Integration Instructions

Follow these simple instructions for each webpage on which you wish to implement the Hosted Login system. A template page containing the code fragments below is available at [http://secure.comodo.net/hostedLogin/login\\_template.html](http://secure.comodo.net/hostedLogin/login_template.html).

### 2.1. Add the required JavaScript tags

At the end of the <HEAD> section of your webpage, add the following lines:

```
<script language="JavaScript1.2" type="text/javascript"
    src="http://secure.comodo.net/hostedLogin/shal.js"></script>
<script language="JavaScript1.2" type="text/javascript"
    src="http://secure.comodo.net/hostedLogin/login.js"></script>
```

### 2.2. Add the required HTML form

At the appropriate place in the <BODY> of your webpage, add the following HTML:

```
<form name="loginForm" method="post"
    action="https://secure.comodo.net/products/!hostedLogin"
    onSubmit="return submitLoginForm(this.loginName, this.loginPassword)">
    Username:
    <br>
    <input type="text" name="loginName" size="12" maxLength="64">
    <br><br>
    Password:
    <br>
    <input type="password" name="loginPassword" size="12" maxLength="128" onFocus="this.select()">
    <br><br>
    <input type="submit" value="Login">
    <input type="hidden" name="e_invalidLoginDetails">
</form>
```

### 2.3. Customise the HTML

You will probably want to customise the presentation of the above login form to suit the look of your website. For example, this may involve:

- using stylesheets and specifying "class=xxxx" attributes for the <INPUT> tags in the form.
- using <TABLE>, <TR> and <TD> tags to control the positioning of the form elements.

You should not change any of the contents of the <FORM> tag and you should not change the names of the "loginName" and "loginPassword" <INPUT> tags. The hidden "e\_invalidLoginDetails" <INPUT> tag is required to ensure that the correct error messages are shown in all browsers. Its value is set in the login.js file.

## 3. Advanced Features

### 3.1. Changing the login target page

When the Hosted Login system opens a new browser popup window it will, by default, open the main "Management" page. For some pages on your website, you may want to implement the Hosted Login system, but specify a different "target" page. You can do this by adding two hidden fields to the "loginForm" (defined in section 2.2). Here is an example:

```
<input type="hidden" name="loginPage" value="SSLCertificateOptions">
<input type="hidden" name="loginProductArea" value="SSL">
```

The table below contains some of the possible values for the "loginPage" and "loginProductArea" fields:

Page Description	Value for "loginPage"	Value for "loginProductArea"
Management (this is the default if the "loginPage" and "loginProductArea" fields are omitted)	Management	IdAuthority (default), SSL, Reseller, WebHost or EPKI
SSL Certificate Options	SSLCertificateOptions	SSL
Reseller Options	ResellerOptions	Reseller
Web Host Reseller Options	WebHostOptions	WebHost
E-PKI Options	EPKIOptions	EPKI
Deposit Funds	DepositFunds1a	Reseller, WebHost or EPKI
Change Password	ChangePassword1a	IdAuthority, SSL, Reseller, WebHost or EPKI
Reseller "Ordering URLs" pages (see next section)		

If necessary, the server will override the "loginPage" with the value "Management". This will happen if, for example, the "loginPage" is "ResellerOptions", but the customer is not a Reseller; or if the "loginPage" is "SSLCertificateOptions", but the customer has not applied for any SSL Certificates.

If you want to specify any other Comodo management facility as the login target page, please contact Comodo for details.

### 3.2. Using Hosted Login with your Reseller Ordering URLs

As a Comodo Reseller, you will have new and returning customers. When buying products, your new customers will click on your Reseller Ordering URLs; your returning customers may do the same thing and then (as a second step) login from the first Comodo-served webpage, but you may wish to use the Hosted Login system to enable your returning customers to achieve the same result in just one step. To do this, you should first add the "loginPage" field (described in section 3.1) with one of the following values:

Page Description	Value for "loginPage"
SSL Certificate (+ optional TrustLogo) Signup	SSLIdASignup1a
TrustLogo and/or Card Payment TrustLogo Signup	IdAuthoritySignup1a
Reseller Signup	ResellerSignup1a
Web Host Signup	WebHostSignup1a
E-PKI Signup	EPKISignup1a

You will also need to add all of the other fields from the Ordering URL query string as fields in the "loginForm". For example, consider the following Ordering URL for a PremiumSSL Wildcard Certificate: <https://secure.comodo.net/products/frontpage?ap=xxxxx&area=SSL&product=35&days=365&reseller=y&servers=1>. To implement this with the Hosted Login system, the "loginForm" on your page would need to look something like this:

```
<form name="loginForm" method="post"
  action="https://secure.comodo.net/products/!hostedLogin"
  onSubmit="return submitLoginForm(this.loginName, this.loginPassword)">
  Username:
  <br>
  <input type="text" name="loginName" size="12" maxLength="64">
  <br><br>
  Password:
  <br>
  <input type="password" name="loginPassword" size="12" maxLength="128" onFocus="this.select()">
  <br><br>
  <input type="submit" value="Login">
  <input type="hidden" name="e_invalidLoginDetails">
  <input type="hidden" name="loginPage" value="SSLIdASignup1a">
  <input type="hidden" name="loginProductArea" value="SSL">
  <input type="hidden" name="ap" value="xxxxx">
  <input type="hidden" name="product" value="35">
  <input type="hidden" name="days" value="365">
  <input type="hidden" name="reseller" value="y">
  <input type="hidden" name="servers" value="1">
</form>
```

Note that the "loginProductArea" field has the same value as the "area" from the Ordering URL, and that there is no field named "area" in the "loginForm".

If the value of "loginPage" is "ResellerSignup1a", but the customer is already a Reseller, the server will override the "loginPage" with the value "ResellerOptions". If the value of "loginPage" is "WebHostSignup1a", but the customer is already a Web Host Reseller, the server will override the "loginPage" with the value "WebHostOptions".

If the value of "loginPage" is "EPKISignup1a", but the customer is already an E-PKI Account Holder, the server will override the "loginPage" with the value "EPKIOptions".

### 3.3. Changing the error messages

You may want to change the error messages that are displayed by the Hosted Login system. For example, you may want to display error messages in Spanish if this is the first language of most of your customers. The recommended way to customise the error messages is to add the following lines of JavaScript at the end of the <HEAD> section of your webpage (this JavaScript must come after the JavaScript added in section 2.1):

```
<script language="JavaScript" type="text/javascript">
  <!--
  e_missingLoginNameAndPassword = "xxxxxx";
  e_missingLoginName            = "xxxxxx";
  e_missingLoginPassword        = "xxxxxx";
  e_invalidLoginDetails         = "xxxxxx";
  //-->
</script>
```

The instances of "xxxxxx" should be replaced with your desired error messages.

### 3.4. Hosting the .js files yourself

You may, if you have a specific requirement to do so, host the .js files referenced in section 2.1 on your own website. This is generally not recommended, because from time to time Comodo may update the "sha1.js" and "login.js" files at the URLs given in section 2.1. Such updates may be introduced to improve the Hosted Login system or to provide workarounds for certain types/versions of browsers that may subsequently be found to not work properly with the Hosted Login system.

