

WiFiLAN API Documentation

External Login Page

Customers may design WiFiLAN compliant external login page and host the page on their web server. This provides them the flexibility of making changes to the portal pages as needed. The portal page will be dependent on the controller/gateway they use for their hotspot.

You need to add the URL of the external web server in the passthrough URL of your gateway before hosting the portal page on an external server.

The external login page can be designed using any programming language like JSP, ASP, PHP, Python, etc or using simple HTML. The programmer just needs to add the following form for the login process to work correctly –

As noted earlier, the login script for portal page varies based on the gateway. Here are the login scripts for some well known gateways –

Colubris

```
<form method='post' action='http://wireless.colubris.com:8080/goform/HtmlLoginRequest' >
<table border="0">
  <tr><td><b>Username</b></td>
  <td><input type='text' name='username' id='username' /></td></tr>
  <tr><td><b>Password</b></td>
  <td> <input type='password' name='password' id='password' /></td></tr>
  <tr><td></td>
  <td><input align="center" name="submit" value="Login" type="submit" /></td></tr>
</table>
</form>
```

If you have installed certificate on the Colubris/HP controller, then you need to use secure method for logging in. e.g. <https://secure.wifi-soft.com:8090/goform/HtmlLoginRequest>

Nomadix

```
<form method='post' action='http://1.1.1.1:1111/usg/process' >
<table border="0">
```

```
|  |
| --- |
| Username |
|  |
| Password |
|  |
|  |
|  |

```

External Registration Page

WiFiLAN provides an API for customers to build their custom registration pages and host them on their own web servers. The registration pages use WiFiLAN API to provision users in user database.

If billing module is enabled, then the customer can be charged using different payment gateways like authorize.net or PayPal.

Free Registration

```

<form action="https://www.wifi-soft.net/wifilan/api/create_user " method="post">
<input type="hidden" name="req_action" value="create"/>
<input type="hidden" name="req_customercode" value="123456"/>
<input type="hidden" name="req_approvalneeded" value="0"/>
<input type="hidden" name="req_successurl" value="http://yourserverurl/successpage"/>
<input type="hidden" name="req_failurl" value="http://yourserverurl/thispage"/>
<input type="hidden" name="req_billdatarequired" value='0'/>

```

```

<tr><td>Username *</td>
<td><input type='text' name='req_username' id='username' /></td></tr>

```

```

<tr><td>Password *</td>
<td><input type='password' name='req_password' id='password' /></td></tr>

```

```

<tr><td>Re-Password *</td>
<td><input type='password' name='req_repassword' id='repassword' /></td></tr>

```

```

<tr><td>Full Name *</td>
<td><input type='text' name='req_fullname' id='fullname' /></td></tr>

<tr><td>Address *</td>
<td><input type='text' name='req_address' id='address' /></td></tr>

<tr><td>City *</td>
<td><input type='text' name='req_city' id='city' /></td></tr>

<tr><td>State *</td>
<td><input type='text' name='req_state' id='state' /></td></tr>

<tr><td>Country *</td>
<td><input type='text' name='req_country' id='country' /></td></tr>

<tr><td>Email *</td>
<td><input type='text' name='req_email' id='email' /></td></tr>

<tr><td>Phone Number *</td>
<td><input type='text' name='req_homephone' id='homephone' /></td></tr>

</form>

```

Free Registration with approval

WiFiLAN has implemented an approval mechanism that allows administrators to approve the user registrations before the user account is activated in the system. This feature allows administrator to delegate the process of account creation at free hotspots to the end users but grant access to only those users whose accounts are approved.

The registration form is similar to the one for free registration but the req_approvalneeded option needs to be enabled. In addition, WiFiLAN needs to be configured to support the approval process by enabling the configuration in RUMS application. RUMS application provides individual accounts to each location thus allowing administrators at each individual location to manage their accounts separately.

```

<form action="https://www.wifi-soft.net/wifilan/api/create_user " method="post">
<input type="hidden" name="req_action" value="create"/>

```

```
<input type="hidden" name="req_customercode" value="123456"/>
<input type="hidden" name="req_approvalneeded" value="1"/>
<input type="hidden" name="req_successurl" value="http://yourserverurl/successpage"/>
<input type="hidden" name="req_failurl" value="http://yourserverurl/thispage"/>
<input type="hidden" name="req_billdatarequired" value='0'/>

<tr><td>Username *</td>
<td><input type='text' name='req_username' id='username' /></td></tr>

<tr><td>Password *</td>
<td><input type='password' name='req_password' id='password' /></td></tr>

<tr><td>Re-Password *</td>
<td><input type='password' name='req_repassword' id='repassword' /></td></tr>

<tr><td>Full Name *</td>
<td><input type='text' name='req_fullname' id='fullname' /></td></tr>

<tr><td>Address *</td>
<td><input type='text' name='req_address' id='address' /></td></tr>

<tr><td>City *</td>
<td><input type='text' name='req_city' id='city' /></td></tr>

<tr><td>State *</td>
<td><input type='text' name='req_state' id='state' /></td></tr>

<tr><td>Country *</td>
<td><input type='text' name='req_country' id='country' /></td></tr>

<tr><td>Email *</td>
<td><input type='text' name='req_email' id='email' /></td></tr>

<tr><td>Phone Number *</td>
<td><input type='text' name='req_homephone' id='homephone' /></td></tr>

</form>
```

Paid Registration

Paid registration page allows administrator to provide a payment page to the end users so they can use their credit or debit cards online for registering for paid WiFi service. The data collected on the page is securely passed to WiFiLAN API which works with specific payment gateways to process the user's credit/debit cards. WiFiLAN supports wide range of payment gateways like Authorize.Net, ePay, ECHO online, etc.

Administrator needs to separately register with the payment gateway to obtain a merchant account needed for payment processing.

```
<form action="https://www.wifi-soft.net/wifilan/api/create_user " method="post">
<input type="hidden" name="req_action" value="create"/>
<input type="hidden" name="req_customercode" value="123456"/>
<input type="hidden" name="req_approvalneeded" value="0"/>
<input type="hidden" name="req_successurl" value="http://yourserverurl/successpage"/>
<input type="hidden" name="req_failurl" value="http://yourserverurl/thispage"/>
<input type="hidden" name="req_billdatarequired" value='1'/>
```

```
<tr><td>Username *</td>
<td><input type='text' name='req_username' id='username' /></td></tr>
```

```
<tr><td>Password *</td>
<td><input type='password' name='req_password' id='password' /></td></tr>
```

```
<tr><td>Re-Password *</td>
<td><input type='password' name='req_repassword' id='repassword' /></td></tr>
```

```
<tr><td>Full Name *</td>
<td><input type='text' name='req_fullname' id='fullname' /></td></tr>
```

```
<tr><td>Address *</td>
<td><input type='text' name='req_address' id='address' /></td></tr>
```

```
<tr><td>City *</td>
<td><input type='text' name='req_city' id='city' /></td></tr>
```

```
<tr><td>State *</td>
```

```
<td><input type='text' name='req_state' id='state' /></td></tr>

<tr><td>Country *</td>
<td><input type='text' name='req_country' id='country' /></td></tr>

<tr><td>Email *</td>
<td><input type='text' name='req_email' id='email' /></td></tr>

<tr><td>Phone Number *</td>
<td><input type='text' name='req_homephone' id='homephone' /></td></tr>

<tr><td>Card Number *</td>
<td><input type='text' name='req_cardnumber' id='cardnumber' /></td></tr>

tr><td>Card Type *</td>
<td><input type='text' name='req_cardtype' id='cardntype' /></td></tr>

tr><td>Card Expiry Date *</td>
<td><input type='text' name='req_cardexpirymonth' id='cardexpirymonth' /><input type='text'
name='req_cardexpiryyear' id='cardexpiryyear' /></td></tr>

tr><td>CVV Number *</td>
<td><input type='text' name='req_cvvnumber' id='cvvnumber' /></td></tr>

</form>
```

Edit Account

WiFiLAN provides an API to help administrator to manage their existing account. They can login using their existing username and password, and change the account information like address, email, phone number and also update their credit card information if they have signed up for recurring monthly plan.

Edit Account is a two-step process. In the first step, the user needs to enter his username and password. Once the account is confirmed, WiFiLAN will pass back the user's information. This information needs to be displayed the user. The user may change any information and the updated information is submitted to the WiFiLAN API.

```

<form action="https://www.wifi-soft.net/wifilan/api/edit_user" method="post">
<input type="hidden" name="req_action" value="login"/>
<input type="hidden" name="req_customercode" value="123456"/>
<input type="hidden" name="req_successurl" value="http://yourserverurl/successpage"/>
<input type="hidden" name="req_failurl" value="http://yourserverurl/thispage"/>
<input type="hidden" name="req_billdatarequired" value='1'/>
<input type="hidden" name="req_locationid" value='123'/>

<tr><td>Username *</td>
<td><input type='text' name='req_username' id='username' /></td></tr>

<tr><td>Password *</td>
<td><input type='password' name='req_password' id='password' /></td></tr>
</form>

```

WiFiLAN will return back the information in the following parameters in the response. The edit page needs to retrieve these attributes from the HTTP request and display them in a form.

Parameter Name	Type	Description
ret_code	0 or -ve number	0 means successful. Negative number means the request was not successful
ret_message	String	The error message for failed attempt
resp_loggedin	0 / 1	Whether the user is logged in or not
resp_planid	Integer	The PlanID of the WiFiAN billing plan. For paid registrations
resp_username	String	Username of the user
resp_password	String	The user's password
resp_fullname	String	The full name of the user
resp_email	String	The email address of the user
resp_address	String	Address of the user
resp_city	String	City of the user
resp_state	String	State of the user
resp_zipcode	String	Zipcode
resp_country	String	User's country
resp_homephone	String	User's home phone
resp_cellphone	String	User's cell phone
resp_expirydate	Date	Expiry date of the user
resp_cardnumber	String	Card number of the billing user
resp_cardtype	String	Type of credit card
resp_cardexpirymonth	String	Expiry month of the credit card
resp_cardexpiryyear	String	Expiry year of the credit card

resp_radiususerid	Integer	Internal ID of the user. Required when submitting the change request to the API.
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The administrator needs to display the information in the portal page. The end user can make changes to the information and submit the changes.

The following form needs to be used to submit the changes –

```
<form action="https://www.wifi-soft.net/wifilan/api/edit_user" method="post">
<input type="hidden" name="req_action" value="edit"/>
<input type="hidden" name="req_customercode" value="123456"/>
<input type="hidden" name="req_editbillingdata" value="1"/>
<input type="hidden" name="req_radiususerid" value="VALUE_FROM_RESPONSE"/>
<input type="hidden" name="req_successurl" value="http://yourserverurl/successpage"/>
<input type="hidden" name="req_failurl" value="http://yourserverurl/thispage"/>
<input type="hidden" name="req_billdatarequired" value='1'/>
<input type="hidden" name="req_loggedin" value='1'/>
```

```
<tr><td>Username *</td>
```

```
<td><input type='text' name='req_username' id='username' /></td></tr>
```

```
<tr><td>Password *</td>
```

```
<td><input type='password' name='req_password' id='password' /></td></tr>
```

```
<tr><td>Re-Password *</td>
```

```
<td><input type='password' name='req_repassword' id='repassword' /></td></tr>
```

```
<tr><td>Full Name *</td>
```

```
<td><input type='text' name='req_fullname' id='fullname' /></td></tr>
```

```
<tr><td>Address *</td>
```

```
<td><input type='text' name='req_address' id='address' /></td></tr>
```

```
<tr><td>City *</td>
```

```
<td><input type='text' name='req_city' id='city' /></td></tr>
```

```
<tr><td>State *</td>
```

```
<td><input type='text' name='req_state' id='state' /></td></tr>
```



```
<tr><td>Country *</td>
<td><input type='text' name='req_country' id='country' /></td></tr>

<tr><td>Email *</td>
<td><input type='text' name='req_email' id='email' /></td></tr>

<tr><td>Phone Number *</td>
<td><input type='text' name='req_homephone' id='homephone' /></td></tr>

<tr><td>Card Number *</td>
<td><input type='text' name='req_cardnumber' id='cardnumber' /></td></tr>

tr><td>Card Type *</td>
<td><input type='text' name='req_cardtype' id='cardntype' /></td></tr>

tr><td>Card Expiry Date *</td>
<td><input type='text' name='req_cardexpirymonth' id='cardexpirymonth' /><input type='text'
name='req_cardexpiryyear' id='cardexpiryyear' /></td></tr>

tr><td>CVV Number *</td>
<td><input type='text' name='req_cvvnumber' id='cvvnumber' /></td></tr>

</form>
```

Changing Password

Changing an existing password can be done once the user has successfully logged into the edit account section. The end-user can also use this API to change the temporary password assigned during the reset password process (see below).

The user needs to enter his username and password to login. If the user's status is loggedin, then the change password option can be presented to the user. To change the password, please enter the following form –

```
<form action="https://www.wifi-soft.net/wifilan/api/change_passwd" method="post">
<input type="hidden" name="req_action" value="edit"/>
```

```

<input type="hidden" name="req_customercode" value="123456"/>
<input type="hidden" name="req_successurl" value="http://yourserverurl/yourpage"/>
<input type="hidden" name="req_failurl" value="http://yourserverurl/yourpage"/>
<input type="hidden" name="req_loggedin" value="1"/>

<tr><td>Old Password *</td>
<td><input type='text' name='req_oldpassword' id='oldpassword' /></td></tr>

<tr><td>New Password *</td>
<td><input type='text' name='req_newpassword' id='newpassword' /></td></tr>

<tr><td>Confirm New Password *</td>
<td><input type='text' name='req_newpassword2' id='newpassword2' /></td></tr>
</form>

```

Forgot Password

WiFiLAN allows end users to change their password by prompting the user to enter the secret answer to the secret question they had selected during the registration process. This feature is only available if secret question and secret answer is displayed to the user during the registration process.

Changing password is a three-step process.

Step -1 : Enter existing username

The following form will submit the user's username to the API for retrieving the user's secret question.

```

<form action="https://www.wifi-soft.net/wifilan/api/reset_password" method="post">
<input type="hidden" name="req_action" value="passwdquestion"/>
<input type="hidden" name="req_customercode" value="123456"/>
<input type="hidden" name="req_successurl" value="http://yourserverurl/yourpage"/>
<input type="hidden" name="req_failurl" value="http://yourserverurl/yourpage"/>

<tr><td>Username *</td>
<td><input type='text' name='req_username' id='username' /></td></tr>
</form>

```

Step-2 : Enter the secret answer to the prompted secret question

Next the reset password page needs to prompt the user to enter the secret question and secret answer. Step-1 result will send back the secret question associated with the username. The secret question is returned back in parameter called **req_question**. If no secret question and answer is found in the database, the API returns negative number as error code.

```
<form action="https://www.wifi-soft.net/wifilan/api/reset_password" method="post">
<input type="hidden" name="req_action" value="passwdreset"/>
<input type="hidden" name="req_customercode" value="123456"/>
<input type="hidden" name="req_successurl" value="http://yourserverurl/yourpage"/>
<input type="hidden" name="req_failurl" value="http://yourserverurl/yourpage"/>

<tr><td>Secret Question *</td>
<td><input type='text' name='req_question' id='question' value='RETURNED_VALUE'
/></td></tr>

<tr><td>Secret Answer *</td>
<td><input type='text' name='req_answer' id='answer' /></td></tr>

</form>
```

Step-3 : Changed password is displayed

If the answered question and answer is correct, the end user will see the temporary password on the login page. The end-user can log into the manage account section to change the password.