

User Form Authentication

INTRODUCTION

The user form authentication method requires downstream users to fill in a form to access the internet.

An option to verify the identity of the downstream user via SMS or email is available for gateway administrators to enable upon setting up the user form.

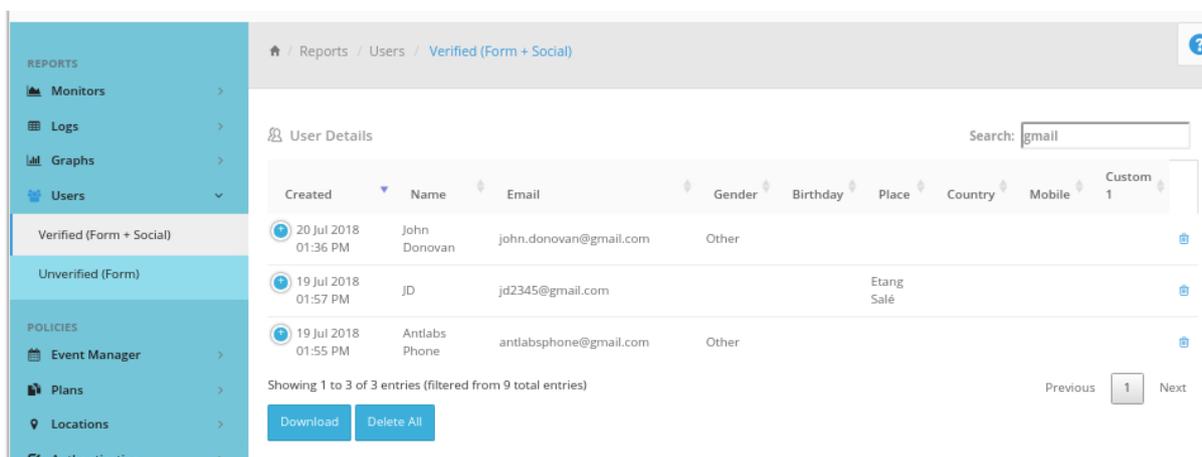
The user data collected is presented in the web-admin GUI and sent to ANTI Labs Cloud Service (ACS) if the gateway is connected to ACS for further analytics and presentation.

KEY CONCEPTS

There are two types of users whose data are captured by the gateway:

- **Verified users.** Users whose identity is verified. User verification is done either via social network or via the new SMS or email verification introduced by the new user form authentication feature.
- **Unverified users.** Data belonging to users whose identities are not verified. This includes form data that is submitted but the attempt to verify the user is then abandoned--thus remaining unverified.

User data captured is presented in the new Verified and Unverified Users report pages, for example:



Created	Name	Email	Gender	Birthday	Place	Country	Mobile	Custom 1
20 Jul 2018 01:36 PM	John Donovan	john.donovan@gmail.com	Other					
19 Jul 2018 01:57 PM	JD	jd2345@gmail.com			Etang Salé			
19 Jul 2018 01:55 PM	Antlabs Phone	antlabsphone@gmail.com	Other					

Showing 1 to 3 of 3 entries (filtered from 9 total entries)

Download Delete All

Previous 1 Next

Figure 1: Verified user report

For a gateway that is linked to ACS, these user data are also presented on the ACS.

CONFIGURING SMS/EMAIL VERIFICATION SETTINGS

If verification of the downstream user is required, proceed to [Settings > SMPP](#) or [Settings > Email](#) to set up for SMS and Email verification respectively.

CONFIGURING SMS VERIFICATION SETTINGS

If you need to have the downstream users verified via SMS, the Short Message Peer to Peer (SMPP) server settings through which the SMS are to be sent out must be set.

1. Go to [Settings > SMPP](#).
2. Turn on SMPP. Enter the various SMPP server settings and save it.

Settings

System / Settings / SMPP

SMPP

* Server IP 118.122.66.77

* Port 9500

* Sys Type WWW

* User ID testing

* Password testing

* Sender ID ANTLabs Gateway

Save Cancel

Figure 2: Configuring SMPP Settings

CONFIGURING EMAIL VERIFICATION SETTINGS

If you want to verify the downstream users via email, the email settings by which the email is to be sent out must be set. Go to [Settings > Email > Email Client](#).

For **SMTP Server** select either Local or External.

Settings

System / Settings / Email

Email Server | Email Client

SMTP Server None
 Local
 External

Save Cancel

Figure 3: Configuring Email Client Settings: choose either Local or External

If you intend to use the gateway's email server to send or forward out the email, choose **Local** SMTP server, enter the **Sender Email** e.g. no-reply@yourcompany.com and save it. You will then need to switch to [Settings > Email > Email Server](#) to configure your local email server settings, which should be either in Bypass or Enable mode.

However, if you choose to use an external email SMTP server to send out the email, choose **External SMTP** server, and you should see the following:

System / Settings / Email

Email Server | Email Client

SMTP Server None
 Local
 External

* SMTP Host Name

* Port

* Connection Security ▼

* Authentication Method ▼

* Sender Email

Save Cancel

Figure 4: Email Client settings for External SMTP

Enter all fields for the External SMTP settings and then click Save:

- **SMTP Host Name.** The host name or IP of the external SMTP server.
- **Port.** The port at which the external SMTP server is listening
- **Connection Security.** The choice of security for the connection to the external SMTP server: none, STARTTLS or SSL/TLS.
- **Authentication Method.** The method to authenticate against the external SMTP server: none, PLAIN (Base64-encoded), LOGIN (Base64-encoded) or CRAM-MD5
- **Sender Email.** The sender email address to use in the email, e.g. no-reply@yourcompany.com

USER FORM SETUP

Under Location, click on an existing location or add a new location. Navigate to the Authentication tab of the welcome page that shall serve the user form. You should see the new ‘User Form’ authentication method as below:

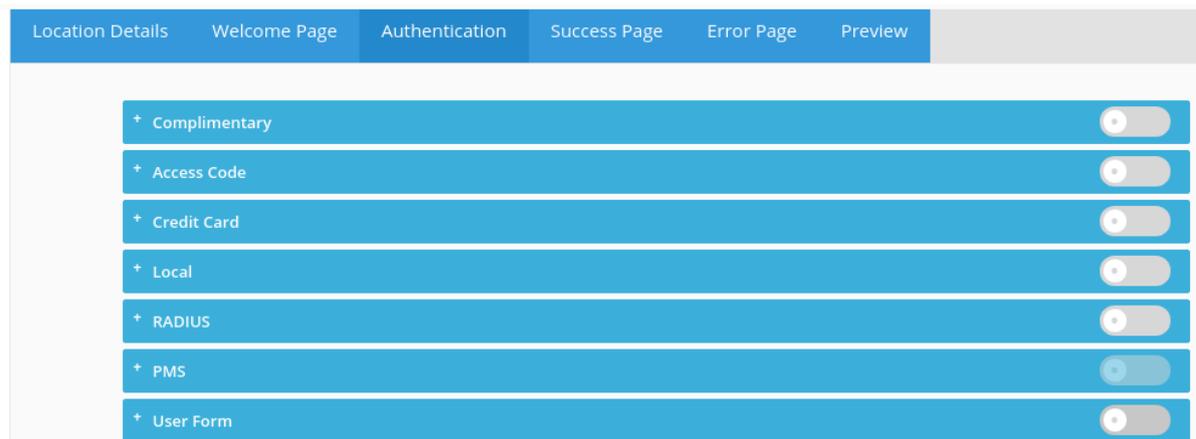


Figure 5: New **User Form** authentication method

Enable **User Form** and click on + sign to expand it. You should then see this User Form setup interface:

User Form Configuration

- Login Form
- Throttled
- 7 days

Field name	Enabled	Mandatory	Order
Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1
Email	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2
Gender	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3
Birthday	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4
Country	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5
Mobile	<input type="checkbox"/>	<input type="checkbox"/>	6
Custom Field1	<input type="checkbox"/>	<input type="checkbox"/>	7
Custom Field2	<input type="checkbox"/>	<input type="checkbox"/>	8
Custom Field3	<input type="checkbox"/>	<input type="checkbox"/>	9
Custom Field4	<input type="checkbox"/>	<input type="checkbox"/>	10
Custom Field5	<input type="checkbox"/>	<input type="checkbox"/>	11

Captcha Code

-- Select Verification --

Figure 6: Sample user form settings

Key in the mandatory fields:

- **User form label:** the label that appears in the welcome page's authentication method selection box
- **Plan:** the internet access plan for the downstream user after successful login
- **Duration:** the number of days the user will be allowed to access the internet

Enable the fields you want the user to enter in the form. For each of the fields you enable, you may specify if the field is **mandatory** (i.e. the user must not leave the field empty).

Note: Email address is a compulsory field that is used as a key to uniquely identify each verified user.

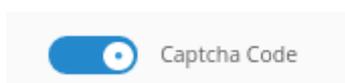
You can **reorder** the fields by mousing over the  dragging handle and then dragging the field to the desired position.

A sample field selection is as follows:

Field name	Enabled	Mandatory	Order
 Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
 Email	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
 Gender	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
 Birthday	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
 Country	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
 Mobile	<input type="checkbox"/>	<input type="checkbox"/>	
 Hobby	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
 Custom Field2	<input type="checkbox"/>	<input type="checkbox"/>	
 Custom Field3	<input type="checkbox"/>	<input type="checkbox"/>	
 Custom Field4	<input type="checkbox"/>	<input type="checkbox"/>	
 Custom Field5	<input type="checkbox"/>	<input type="checkbox"/>	

Figure 7: Sample user form with mandatory settings

You can optionally turn on **Captcha Code** to prevent robots from submitting the forms. For example:



There is no user verification required by default. However, if you opt for verification, you may select and set user verification via Email or SMS:



Figure 8: Selecting verification

Note: If you see **SMS Verification** being greyed out, it means you have not enabled the Mobile field. Enable the Mobile field and you will be able to select SMS Verification.

If upon selecting SMS Verification you see a pop-up dialog box saying, ‘Please Enable SMPP’, it means you have not enabled SMPP yet at Settings > SMPP.

If upon selecting Email Verification you see a pop-up dialog box saying, ‘Please Enable SMTP’, it means you have not configured valid email settings at Settings > Email > Email Client.

Upon successfully selecting SMS / Email Verification, you should see an OTP Expiry dropdown box:

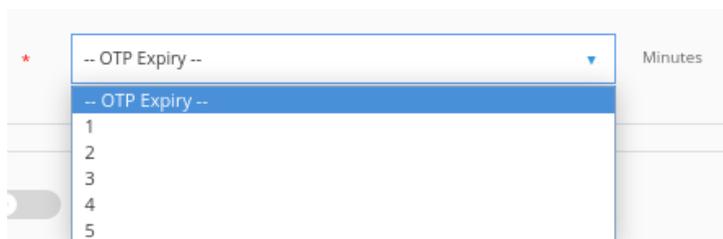


Figure 9: Select OTP Expiry for SMS/Email Verification

Select the **OTP expiry** which is the duration for which the SMS one-time-password or email verification link will be valid.

For Email Verification, you can specify OTP Expiry up to 15 minutes. The downstream user will be given temporary internet access for the duration of the OTP Expiry for the user to have time to check the verification email. The new Form (Temp) plan will be used to grant the user temporary internet access.

If user form is the only authentication method enabled (aside from social network authentication), you may want to hide the authentication display label to achieve a cleaner user interface. In that case, turn off **Authentication Display Label**:



Figure 10: Turning off Display Label

At Preview > Advanced Settings > User Form Labels you will be able to configure the various labels and texts such as the OTP SMS message or verification email message.

For the send email page, you should use @duration@ as a placeholder for the duration of temporary internet access.

For the verification email body, you should use @link@ and @expiry@ as placeholders for the verification URL and the URL validity period respectively.

For the OTP SMS message body, you should use @OTP@ and @expiry@ as placeholders for the OTP and OTP expiry duration respectively.

User Form Labels	
* OTP Link Text	Click here if you have an O
* OTP Placeholder	Enter Your OTP here
* Wrong OTP Message	You have entered an invali
* Refresh Captcha Image Label	Different Image
* Captcha Error Message	Captcha code is incorrect
* Button Title for email	Send Email
* Email Process Page	Click on the button below
* Privacy Error Message	Please agree and checked
* OTP Email Page	Verification email has been sent. You are granted temporary Internet Access for @duration@ minutes. Click
* OTP Mobile Page	We have sent you a OTP on your mobile number. Please enter OTP to verify your mobile number.
* OTP Verification Type Label	Enter your @verification-ty
* Resend OTP	Resend OTP
* Expired OTP Message	OTP generated account is
* Captcha Placeholder	Enter your captcha here
* Button Title for mobile	Send OTP
* Mobile Process Page	Click on the button below
* OTP Email Subject	Verification Email
* OTP Email Body	Click the link @link@ to verify your email and extend your Internet session. This link is valid for
* OTP Mobile Body	Your OTP is @OTP@. This OTP is valid up to @expiry@ minutes.

Figure 11: Location > Preview > Advanced Settings > User Form Labels

Complete your Location settings and click **Save**.

DOWNSTREAM USER FORM EXPERIENCE

Before login, the downstream user will see the welcome page like the following:

ezxcross.antlabs.com/login/main.ant?c=welcome

FREE WiFi
This is the place where you put in a description of your location (desktop)

Welcome to ANTIabs User Form Authentication

Name *

Email *

-- Select Gender --

Birthday

-- Select Country --

Mobile *

Format: + <Country Code> <Space> <Mobile No.>
Example: +1 54100000000

bDsHh9

Enter your captcha here

[Different Image]

Connect

Figure 12: Sample user form welcome page

The mandatory fields will be marked with a red * on the left.

Note: for mobile number, the required format is + <Country Code> <Space> <Mobile No.>
e.g. +1 541000000000

For captcha you may click on [[Different Image](#)] to get a new captcha image.

Having entered all mandatory fields, click **Connect**. You should then get the login success page.

Email Verification

If Email Verification has been enabled, you will see the Send Email page:

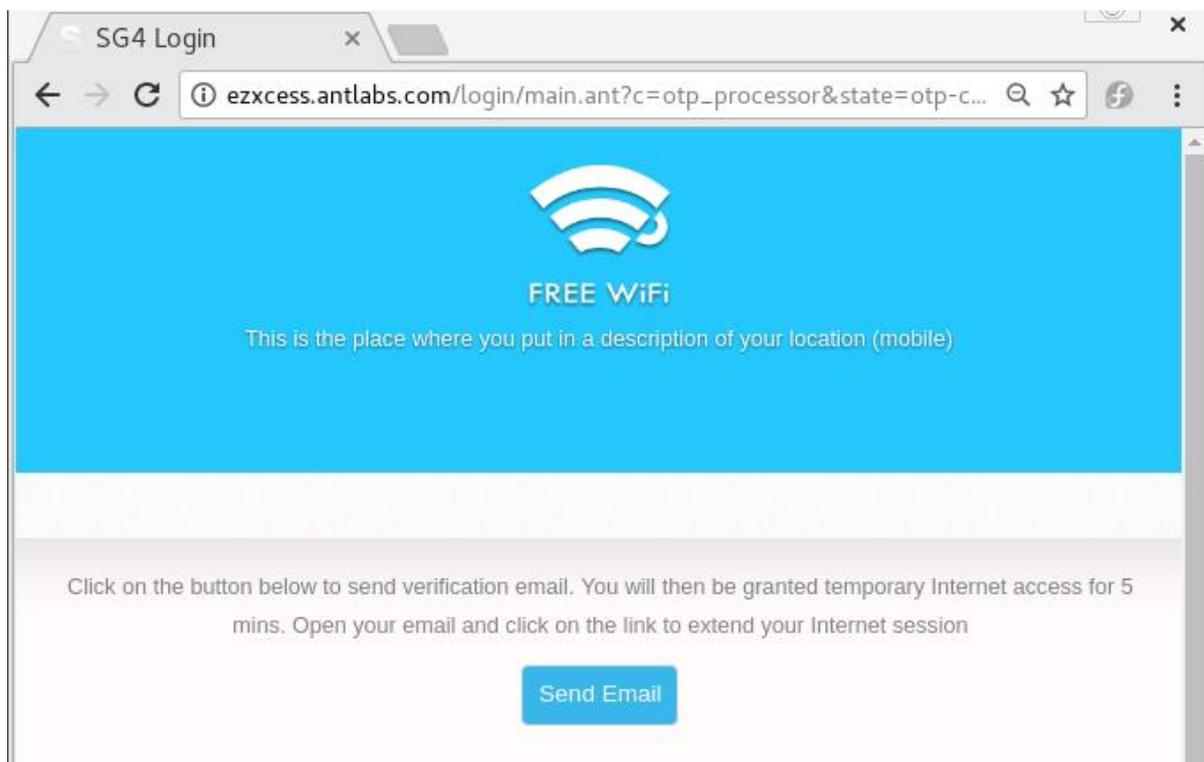


Figure 13: Send Email page

Click on **Send Email**. You will then see Verification Email Has Been Sent page:

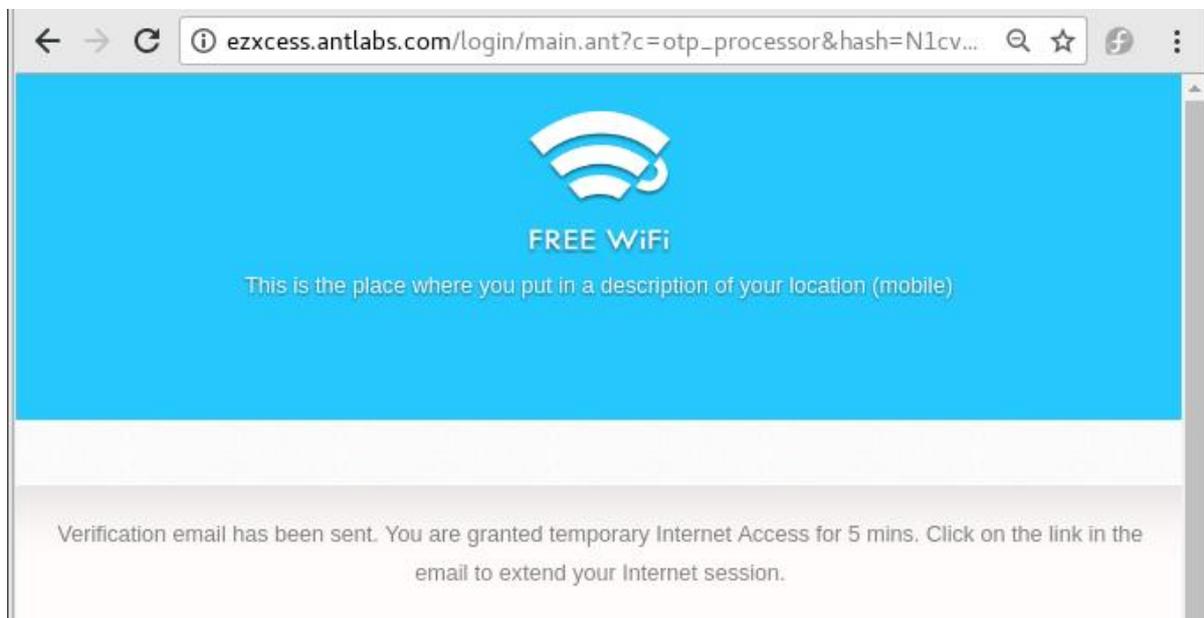


Figure 14: Verification Email Has Been Sent page

At this point you have been granted temporary internet access and may check your email.

Once you receive the verification email, click on the link in the verification email to verify your email address.

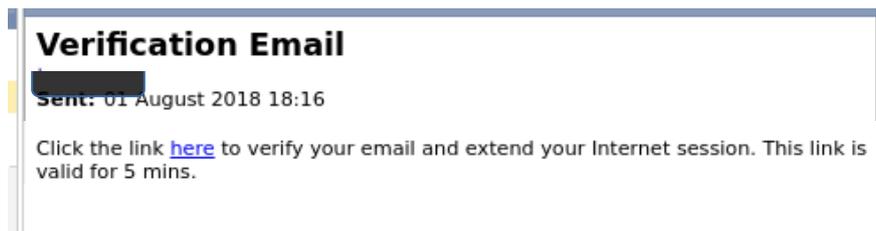


Figure 15: Verification Email

You should then see the login success page.

SMS Verification

If SMS Verification has been enabled, you will see the Send OTP SMS page:

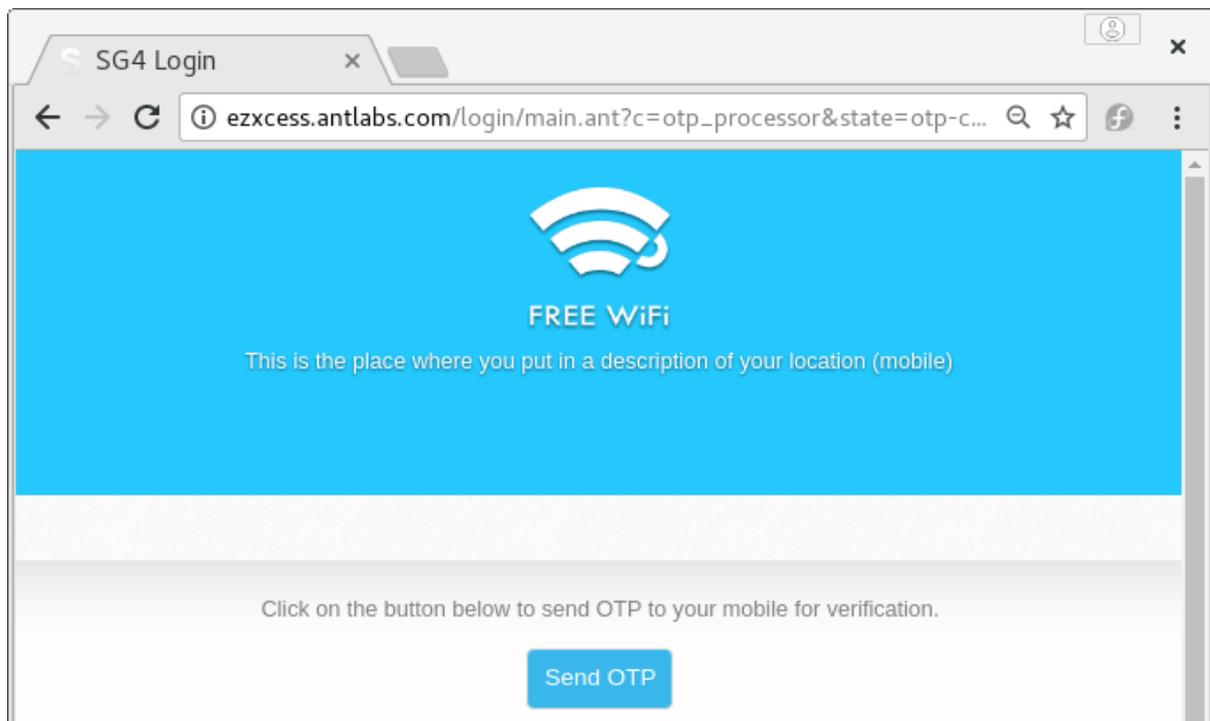
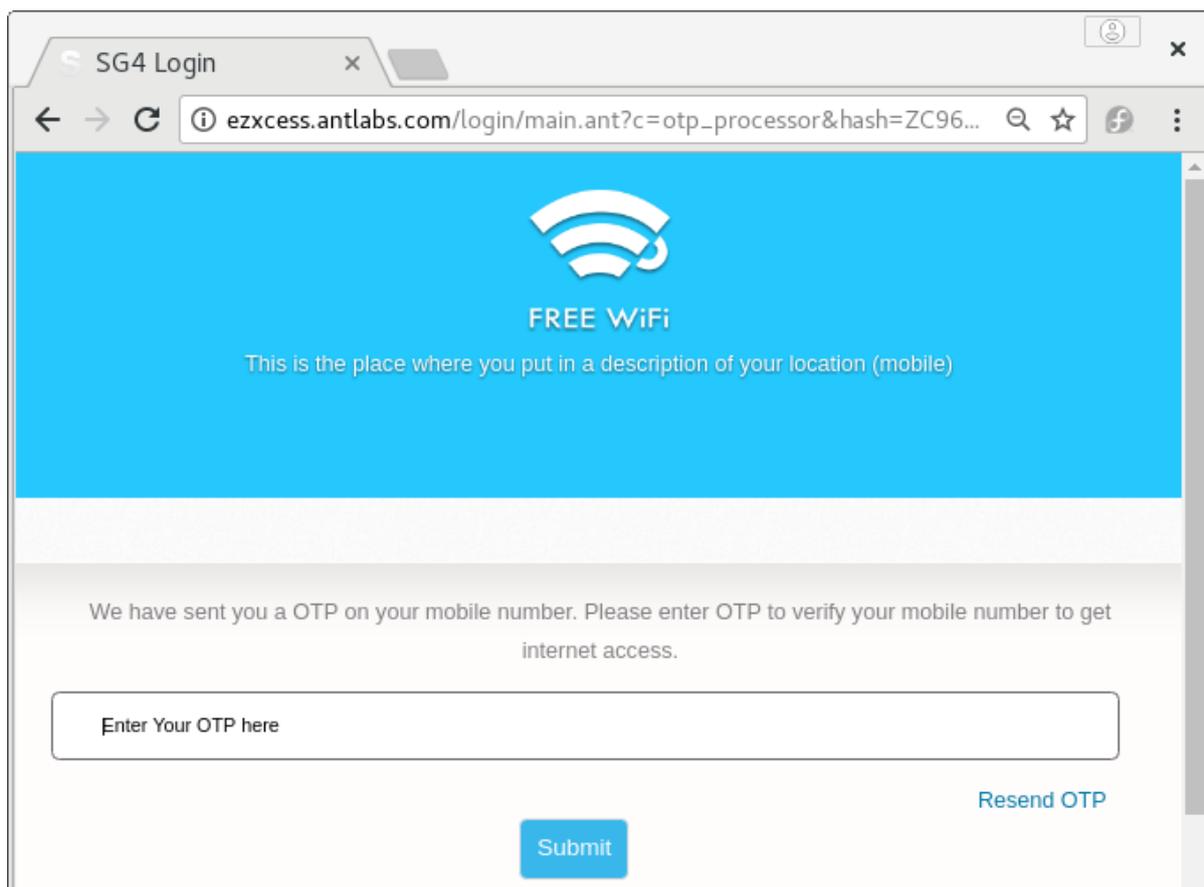


Figure 16: Send OTP SMS page

Click on **Send OTP**. You should then see the Enter OTP page:



The screenshot shows a web browser window titled "SG4 Login". The address bar displays the URL "ezxcess.antlabs.com/login/main.ant?c=otp_processor&hash=ZC96...". The main content area has a blue header with a white Wi-Fi icon and the text "FREE WiFi". Below this, it says "This is the place where you put in a description of your location (mobile)". The main body is white and contains the text "We have sent you a OTP on your mobile number. Please enter OTP to verify your mobile number to get internet access." Below this text is a text input field with the placeholder "Enter Your OTP here". To the right of the input field is a blue link labeled "Resend OTP". At the bottom center is a blue "Submit" button.

Figure 17: Enter OTP page

At the same time, you should also receive an OTP SMS message. If you do not receive the SMS, you may click **Resend OTP**.

Your OTP is [539451](#). This OTP is valid up to 5 minutes. Sent by SMS gateway

Figure 18: OTP SMS message

Enter the OTP from the SMS on the Enter OTP page and click **Submit**. You should then see the login success page.



Singapore Headquarters

114 Lavender Street
#10-75 CT Hub 2
Singapore 338729
Tel: +65 6858 6789
Fax: +65 6487 4567

Malaysia Office

Suite 17-01, Level 17 Menara MSC Cyberport
No. 5, Jalan Bukit Meldrum,
80300 Johor Bahru,
Johor Darul Takzim, Malaysia
Tel: +65 6858-6789

ANTlabs and the ANTI labs logo are trademarks or registered trademarks of ANTI labs in Singapore and other countries. Third party trademarks mentioned are the property of their respective owners.