Technical Guide

One Time Password

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1 Introduction

One Time Password (OTP) is an authentication mechanism that enables users to obtain a login password (PIN code) via SMS so they can enter this code on the login page to login for Internet access. OTP also allows hotspot venues to collect user information with the integrated questionnaire for security and marketing purposes. This guide describes how to configure OTP and demonstrates a sample OTP login flow.

2 Configurations

2.1 Enable OTP Authentication Option for the desired Service Zone

a. Go to Main Menu > SYSTEM > Service Zones, in this sample case, “Default” Service Zone is selected:

![Figure 2.1a - To Configure Default Service Zone](image)

b. Scroll down to Authentication Options of Default Service Zone and ensure the option entry of “One Time Password” is enabled.

![Figure 2.1b - To Enable Auth. Option of “One Time Password”](image)
2.2 Configure OTP Settings

a. Go to OTP Authentication Page: Main Menu > USERS > Internal Authentication > One Time Password.

To configure OTP, select each setting and specify necessary parameters:

**Group**: Set the group to which the OTP users belong.

**OTP Client Information**: Displays the information of all logged-in OTP users (Login Time, Phone number, MAC address, Answers to Questionnaire)

**Default Country Code**: Set the country code of phone to be used in the login page

**Length of Mobile Phone**: Set the length of digits of the phone number

**Quota**: Set the usage quota after users’ login

**Questionnaire**: Add additional questions for users to answer during login flow

**SMS Gateway**: Configure SMS Gateway

**Web Page Customization**: Customize the OTP related webpages during login flow
b. Configure the basic settings based on the hotspot venue’s needs; for example:

![Figure 2.2b - Basic OTP Settings](image)

Figure 2.2b - Basic OTP Settings

- **Group**
- **OTP Client Information**
- **Default Country Code**: TW - TAIWAN (+886)
- **Length of Mobile Number**
- **Quota**

![Figure 2.2c - Enter the questions which will be used in Login Flow](image)

Figure 2.2c - Enter the questions which will be used in Login Flow

c. Edit and enable the Questionnaire; for example:

![Figure 2.2d1a - Two SMS Gateway Options](image)

Figure 2.2d1a - Two SMS Gateway Options

d. Edit and enable the SMS Gateway:

(1) Two options of SMS Gateway are available: Clickatell and SMS API.

Setting up the SMS Gateway with Clickatell would be easier if the hotspot venue already has a Clickatell account since the API parameters have been integrated into the controller and do not have to be specified.

**Note:** This SMS Gateway configuration page is a common page which is used for both
“On-Demand” and “One Time Password” authentication options. Therefore, to correctly display the authentication options in the login page, we have to specify the setting “Send SMS for” to indicate how to use SMS Gateway for On-Demand authentication option.

![Default Login Page](image)

Figure 2.2d1b - Two additional auth. options displayed at the bottom of the Login Page

![SMS Gateway Setting](image)

Figure 2.2d1c - “Send SMS for” setting will enable/disable the On-Demand auth. option in default login page
(2) In this sample case, however, we use the generic option of SMS API, by which we are able to customize the API parameters (to be sent to the SMS Gateway via the API) on this configuration page.

Note: For detailed information on configuring SMS Gateway, please refer to the other guide: TEC_SMS_API_Integration_R2_20171122.pdf
e. Edit and customize OTP related web pages, as needed:

Figure 2.2e1 - Template OTP Registration Page

Figure 2.2e2 - Template OTP Authentication Page

Figure 2.2e3 - OTP Registration Page Preview

Figure 2.2e4 - OTP Authentication Page Preview
3 OTP Login Flow and Client Information

3.1 OTP login flow (demonstration based on an iPhone)

Figure 2.3a1 - Associate to the SSID

Figure 2.3a2 - Click 'Access by OTP' button

Figure 2.3a3 - Send Password to User via SMS

Figure 2.3a4 - Receives Password in the SMS message

Figure 2.3a5 - Enter Password to Log In

Figure 2.3a6 - Logged In Successfully
3.2 Client Information

a. Client information is collected upon successful login and can be viewed at Main Menu > USERS > Internal Authentication > One Time Password > OTP Client Information

![OTP Client Information](image)

Figure 2.3b - Information about all Logged-in Users

4 Remarks

Please contact Technical Support Team for additional inquiries.