

Q-Visit

QR-Code based Visitor Management System

(Revised: 31.01.2019)

Introduction

Q-Visit is a visitor management system able to issue temporary QR-Code visitor pass. The validity of the pass can be set as 30 minutes, 4 hours, 1 days or whatever duration of your choice.

ELID ARA is the web front end for authorized users to issue QR-Code to invited guests, through Whatsapp, or email. The access token details will be passed to ELID Access Control System (WinPro) to manage.

Once the QR-Code is received on the phone, the visitor can visit the site, and enter the premise, without the need to register at the guard house.

For the time being, card number is encoded in QRCode as Free Wiegand format (Offset:13, length:20, max: 34), and generated randomly in the range of 900000..999999 at ELID ARA.

Setting Up WinPro

First, install a WinPro 2.1.2.20 or later, then edit WinPro\Server\edotpro.ini:

[Cards]

AutoSQLCardImportInterval=5

ExpiryDuration=1

Run WinPro, add a new Door Accessibility named '**Visit_Acc**', create timer / time zone / doors accordingly – of course Access All is not recommended for obvious security reason.

e.g.

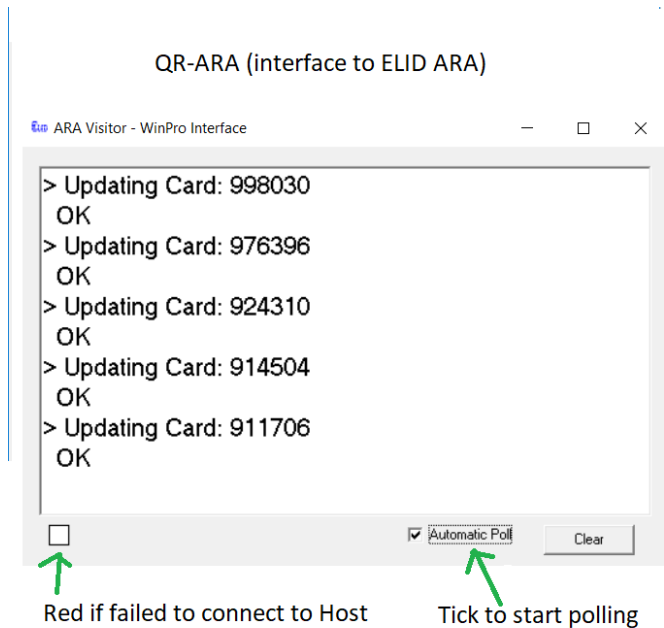
9am to 5pm Mon to Fri, Sat/Sun/Holiday-No Access.

On top of that, the created QRCode will expire after the valid duration.

Setting Up QR-ARA (interface to ELID ARA)

Then proceed to install QR-ARA add-on to WinPro folder (files: qrara.exe, qrara.ini. _\$wak)

QR-ARA uses curl.exe for interface to http, thus curl will be installed by QR-ARA to the default folder c:\program files (x86)\WinPro\curl\bin



Make sure you have obtained the latest token update from ELID ARA, and save in a text file named ‘_\$_wak’.

The token looks something like this if you open it using Notepad:

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9... omitted ... k0yxxV-K_wt-t4Vvj-3Qac3E

Take note:

For the system to work properly, both WinPro Server and QRARA.Exe must be running 24/7, all the time.

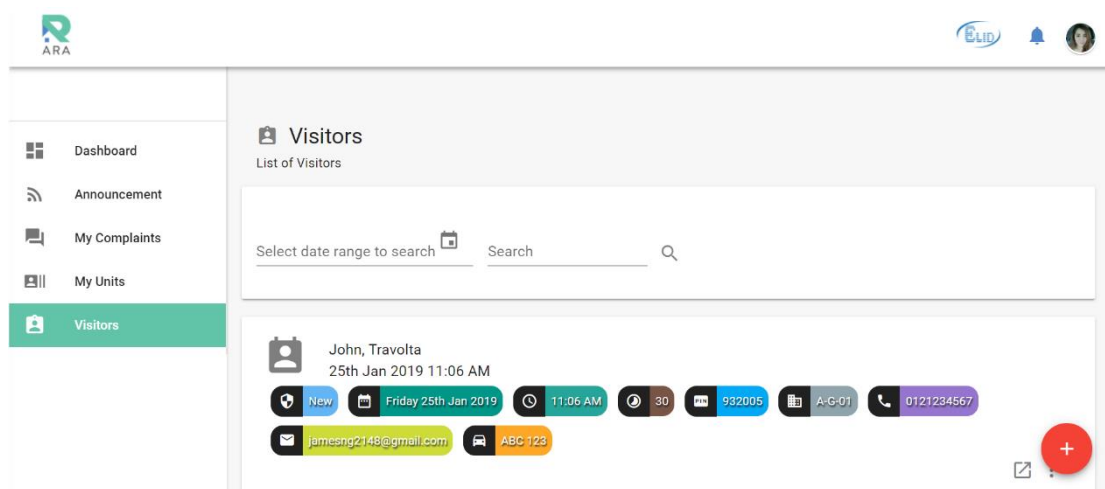
Test Run

Point browser to the URL: <https://elid.kqbaru.com>

Enter email/password accordingly:


Email: xxxyyy@zzz.com

Password: *****



Select <Visitors> on the left panel.

Click (+) button on visitor screen, enter visitor details, click <Submit> button.

 **Create Invitation**


Please fill in fields below to create Invitation

First Name*


Danny

Last Name*

Chong

 Mobile Number*

0123344556

 Email


dannychong@elid.com

Vehicle Reg. Number

WAB 1234

Visit Date and Time*

31 Jan 2019 11:00 AM



Duration (Minutes)*

30

SUBMIT

CANCEL

Send the following invitation message to your guest (pin can only be use once)

Invitation to **DUMC Petaling Jaya** on **Thursday, January 31, 2019, 11:00:10 AM**. Supply this code **951567** to Security Guard for entry **OR** Get quick entry QR Code at <https://elid.kgbaru.com/v/pin/5c5265b45856db48b4c9d4dc/0123344556>

 COPY TO CLIPBOARD

 WHATSAPP

 DONE

The QRCode will be emailed by ELID ARA to the visitor. Typically it takes around 30 seconds for the mail to reach the visitor.

Once visitor received the QRCode, he/she can proceed to show the code to QR-Code reader mounted beside the normal EM Reader to enter the premise.

Appendix A : Summary of setting up ELID ARA – QRCode – WinPro

1. Install WinPro 2.1.2.20
2. Edit Server\Edotpro.ini:

 [Cards]

 AutoSQLCardImportInterval=5

 ExpiryDuration=1
3. Add a new Door Accessibility: Visit_Acc
4. Install QRARA interface
5. Edit QRARA.ini to set Internet Proxy, if any:

 [Options]

 ProxyServer=10.2.3.40:80
6. Update token file: _\$wak (Request from KgBaru)
7. Point browser to : <https://elid.kgbaru.com>

 (ID/Password - Request from KgBaru)