

Fortinet Technical Note

Barcode Scanning for Registration of FortiTokens

May 2011

Object:	Barcode Scanning for Registration of FortiTokens
Author :	Carl Windsor (cwindsor@fortinet.com)
Date :	May, 18 th 2011
Reference :	Fortinet Technical Note – Barcode Scanning for Registration of FortiTokens–05182011 – v1.0
Version :	1.0

Table of Content

1. INTRODUCTION.....	3
1.1. PURPOSE OF THIS DOCUMENT.....	3
1.2. PRE-REQUISITES.....	3
2. SCANNING THE BARCODES.....	4
3. IMPORTING THE BARCODES – FORTIGATE	6
4. IMPORTING THE BARCODES – FORTIAUTHENTICATOR	7

1. Introduction

1.1. Purpose of this document

This document has been produced to demonstrate a method to simplify the registration for FortiTokens on both the FortiOS and FortiAuthenticator platforms. In order to register a FortiToken with the FortiGate or FortiAuthenticator appliance, the token serial number must be entered into the GUI.

This document details a method of using the barcode on the token as a way of removing the need for manual entry of the token serial.

1.2. Pre-requisites

The requirements to replicate this technical note are:

FortiToken

FortiGate or FortiAuthenticator Appliance

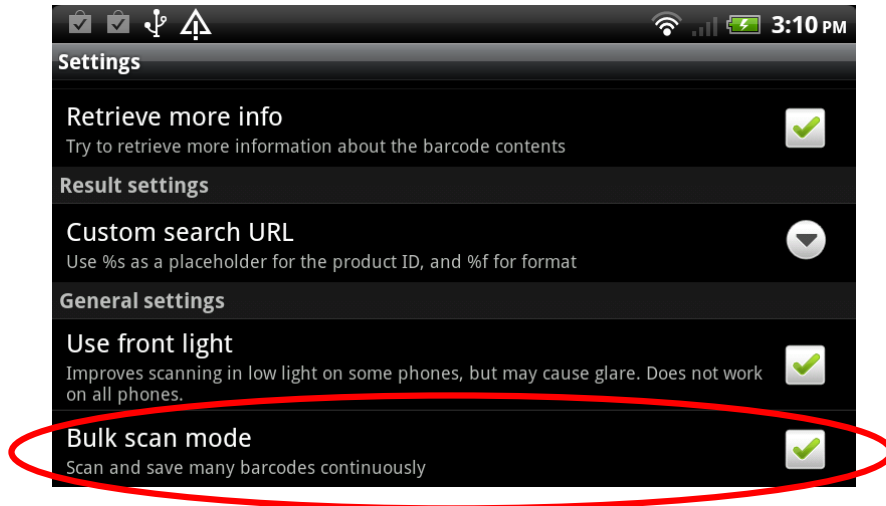
Android Mobile phone running Barcode Scanner (tested with version 3.53) *

** whilst this document is written based on Android and the ZXing Barcode Scanner App, it is likely other smartphones and Scanner Apps will deliver similar functionality.*

2. Scanning the barcodes

Run the Barcode Scanner software from the Android Applications Menu. Before beginning scanning, switch the App into Bulk Scanning Mode

Menu → Settings → Bulk Scan Mode (Radio Button), as shown below.



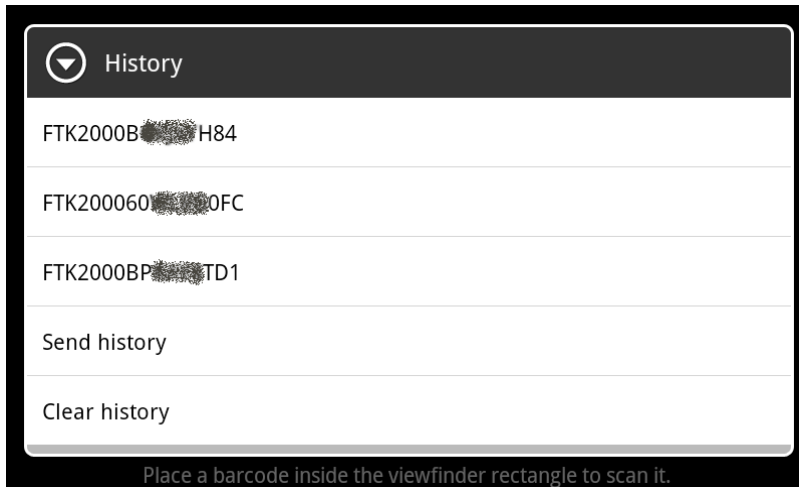
This will allow multiple barcodes to be scanned in one session.

Return to the software and point the smartphone camera at the barcode found on the token. Center the barcode in the viewfinder square and ensure that the entirety of the barcode is covered by the red line. For best results, work in a well lit area but avoiding any glare from bright lighting. The optimal distance to place the camera from the token was found to be 6 – 8 inches, however this will be dependent on the hardware used.

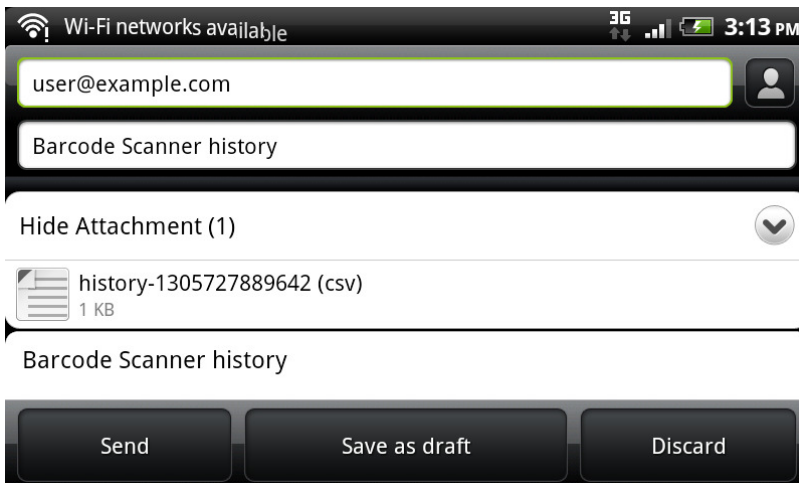


After a few seconds, the token serial will be identified and saved into the software history file. Repeat for as many tokens as you need to register. Once complete, select:

Menu → History



The tokens which have been scanned will be listed. Select Send History to e-mail the file from the smartphone to a suitable mail account.



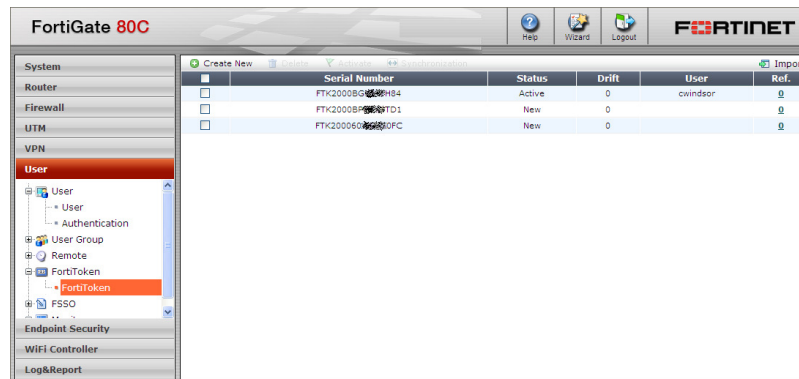
3. Importing the barcodes – FortiGate

The file generated by the Barcode Scanner Software includes some additional fields not required by the FortiGate so open the file (e.g. in Excel or OpenOffice) and remove all but the first column and save the file.

Log into the FortiGate and browse to:

Users → FortiTokens and select Import.

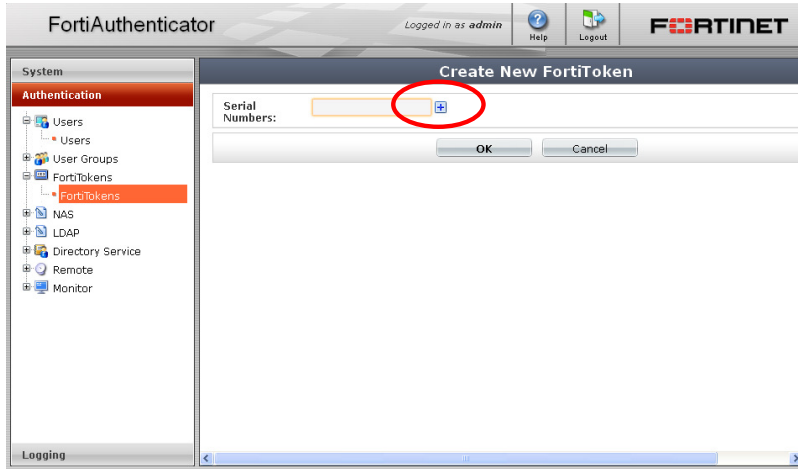
In the Upload browse dialogue, enter the name of the file and hit OK. The tokens will be automatically imported to the system ready to be allocated to your users.



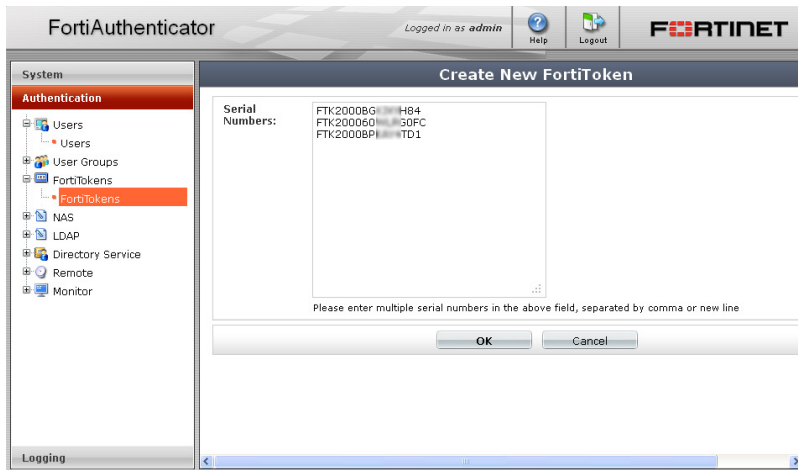
4. Importing the Barcodes – FortiAuthenticator

Log into the FortiAuthenticator and browse to:

Authentication → FortiTokens and select Create New.



Click the drop down arrow on the right hand side of the Serial Number dialogue. Cut and paste the serial numbers from the first column into the box which appear and click OK.



The tokens will be automatically imported to the system ready to be allocated to your users.

