



ENL.BARCODE

TECHNICAL IMPLEMENTATION

Document History

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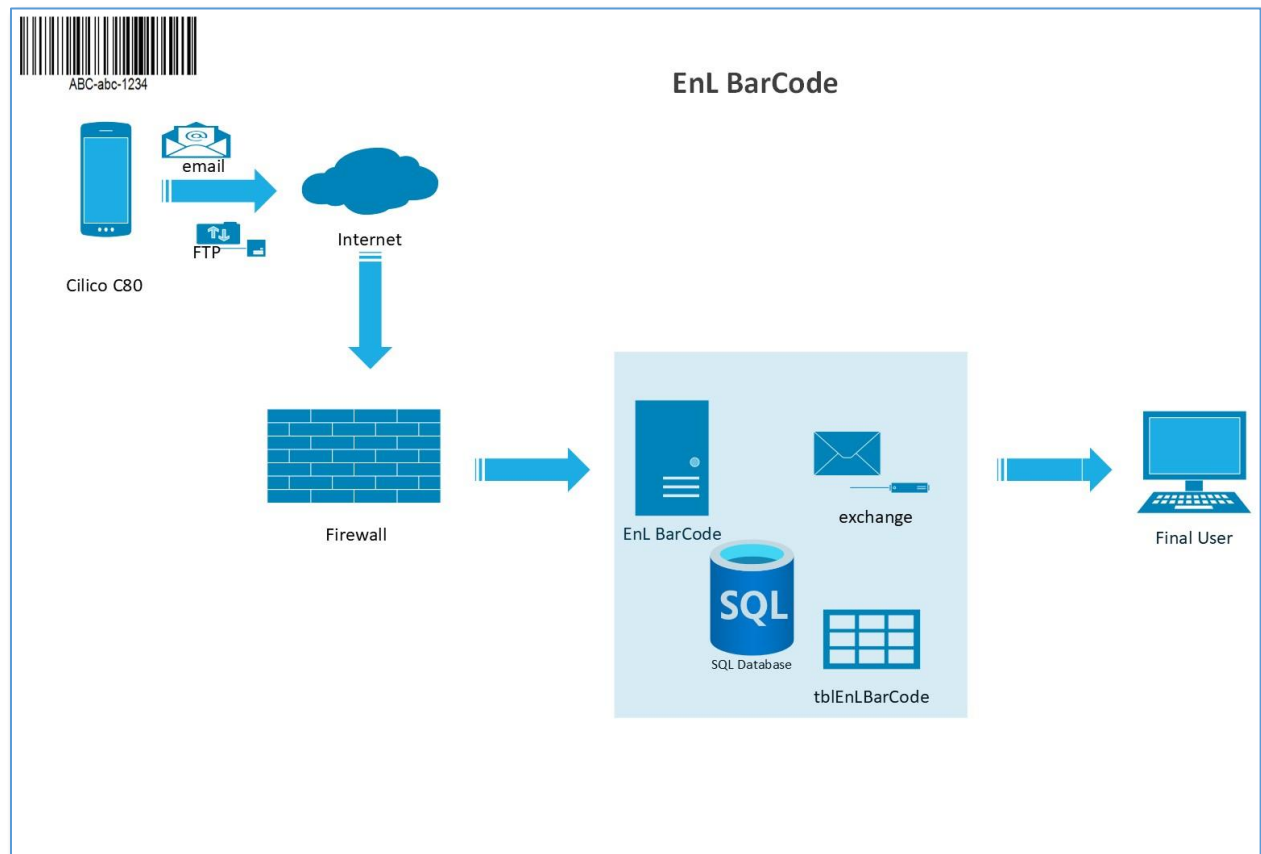
Introduction

This document explain technical implementation of EnL.BarCode application.

1. Architecture

1.1. INTRODUCTION

Next picture shows the technical implementation of EnL.BarCode application.



The application is structured by next blocks:

1. Barcode recognition;
2. Send barcode;
3. Elaboration barcode data;
4. Create records in tblEnLBarCode table;
5. Send output email;
6. View result by final user;



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2. EnL.BarCode

2.1. FUNCTIONAL STEP

By Cilico C80 is possible to recognize a barcode. This device transform input barcode in electronic message. After this recognition by the PDA it's possible to send these data outside by email and/or FTP. With EnL.BarCode application is possible receive electronic message create by Cilico C80 and transform in any kind of output message and apply any action base on message contain.

For this pilot the actions that are implemented are the next:

1. Put input data in internal database;
2. Send confirmation email to address inside input message;

2.2. INPUT MESSAGES

Input barcode can be various format. Cilico C80 can recognize a lot barcode kinds. For this pilot are use next three barcode:



These generates inside the device next file:

- 1 n.|101|mag|123|id|456|pz|100|email|xxx@hotmail.com 7
- 2 n.-111-mag-456-id-789-pz-1000-email-xxx@hotmail.com 4
- 3 n./999/mag/789/id/321/pz/10000/email/xxx@hotmail.com 8

For this pilot is mandatory to have the same structure show above but in general is possible to choice any structure and any sequence that is needed.

2.3. MAPPING RULES

The input message is mapped directly to table tblEnLBarCode inside a DB EnLBarCode. The scope of this pilot is just to make some simple elaboration of input barcode. But it's possible to create some mapping rules more complex.



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2.4. DATABASE DATA

After received and mapping input barcode messages all data are insert in a local DB EnLBarCode inside a local table tblEnLBarCode. Next is showed this table:

	id	idMag	idItem	unitMeasure	quantity	qtyRecord	email	status	notes
1	1	123	456	pz	100	7	██████████@hotmail.com	0	
2	2	456	789	pz	1000	4	██████████@hotmail.com	0	
3	3	789	321	pz	10000	8	██████████@hotmail.com	0	
4	4	123	456	pz	100	4	██████████@hotmail.com	0	
5	5	456	789	pz	1000	5	██████████@hotmail.com	0	
6	6	789	321	pz	10000	8	██████████@hotmail.com	0	

2.5. OUTPUT CREATED

The output created is an email received to address present in put message:

