

Oracle® Retail MICROS Stores2

Functional Document

Gift Import Voucher

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TECHNICAL DOCUMENTATION

S2GImportVoucher - User Manual

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Note: The rebranding for the latest version of this documentation set is in development as part of post MICROS acquisition activities. References to former MICROS product names may exist throughout this existing documentation set.

1 Introduction

This program is used to import vouchers in the Stores2Gift database.

2 Installation

Since there is no setup, the file needs to be unzipped in a "S2GImportVouchers" folder. This utility needs the applications Stores2Gift and WebServiceGiftComponent to function.

3 Configuration

3.1 WebServiceGiftComponent

The Gift website needs to be specified in the WebSites of the Config.xml configuration file.

```
<?xml version="1.0" encoding="UTF-8"?>
<Config>
  <ResolveTimeout>30000</ResolveTimeout>
  <ConnectionTimeout>30000</ConnectionTimeout>
  <SendTimeout>30000</SendTimeout>
  <ReceiveTimeout>30000</ReceiveTimeout>
  <ConnectionRetries>1</ConnectionRetries>
  <Websites>
    <Website><![CDATA[http://localhost/S2Gift]]</Website>
  </Websites>
  <CryptKey></CryptKey>
  <EnableLog>0</EnableLog>
  <LogFileName>s2giftcomponent.log</LogFileName>
  <LogMaxSize>1024</LogMaxSize>
  <ApplicationName><![CDATA[]]</ApplicationName>
</Config>
```

3.2 S2GimportVoucher

The data track is a fixed length and contains all the information necessary for the creation of vouchers. The program can be configured through a file contained in the installation folder (S2GImportVouchers.exe.config). If one or more records contain errors, a summary email will be sent to the email address specified in the program configuration file. The input files will be put in a backup directory (configurable) when file importing is completed. If the email transmission is not successful the errors will be written in a log file in the application folder: it will be up to the operator to check for the presence of error files /and/or warnings sent by email. The tool write a log file for each import performed (this file will have the name and date/time importing started inside it). The program can be started at fixed times during the day through the windows scheduler: the input file track needs to have the following nomenclature:

```
s2g_voucher_0000000001.txt
s2g_voucher_0000000002.txt
...
```

The files will be imported sequentially based on their sequential number: The files must comply with the following track:

Field	TXT type	Length	Notes
Tipo Record*	Text	1	0=On 1=Disable 2=Enable
Codice azienda *	Text	10	Represents the company code imported in Stores2Gift
Codice nodo *	Text	10	Node code imported in Stores2Gift
Codice postazione *	Text	10	Workstation code encoded in Stores2Gift
Barcode voucher *	Text	50	
Codice divisa *	Text	4	Currency code encoded in Stores2Gift
Valore *	Curr	8,2	
Data inizio validità	Date	yyyyMMdd	
Date fine validità	Date	yyyyMMdd	
Codice transazione	Text	20	"External" transaction code for having a reference for creation of the voucher
Codice fidelity *	Text	20	Customer's fidelity card code. Not mandatory for the application but mandatory for DWH
Importo minimo	Curr	8,2	

The "Text" type fields need to be filled with spaces on the left until reaching the preset length. The "Curr" type fields are considered 8 characters long with zeroes filled in on the left and the last two figures on the right represent the decimal part (e.g. 09120133 will be formatted as 91,201.33). The dates must be entered in yearMonthDay format without separation characters. The length of each file record needs to be 157 characters. Mandatory fields are marked with the "*" character. The Fidelity Code also needs to be entered for the management we are implementing.

The program configuration file will have the following format.

```
<?xml version="1.0" encoding="utf-8" ?>
<configuration>
  <appSettings>
    <add key="InputFilePath" value="C:\Fortech\VoucherImport\Data\Input"/>
    <add key="LogPath" value="C:\Fortech\VoucherImport\Data\Log"/>
    <add key="BackupPath" value="C:\Fortech\VoucherImport\Data\Backup"/>
    <add key="Sender" value="noreply@domain.com"/>
    <add key="SendTo" value="address@domain.com"/>
    <add key="SMTPAddress" value="192.168.0.155"/>
    <add key="SMTPPort" value="25"/>
    <add key="SMTPUsername" value="Utente"/>
    <add key="SMTPPassword" value="Password"/>
    <add key="S2GiftConfig" value=" C:\Stores2Gift\Config.xml"/>
    <add key="ComponentXMLConfigFilePath" value="C:\VoucherImport\ComponentConfig"/>
  </appSettings>
</configuration>
```

Before starting the application the parameters contained in the configuration file need to be configured:

- InputFilePath: indicates the path where the voucher files will be searched for importing.
- LogPath: indicates the path where the program error logs will be written.
- BackupPath: path where the processed files will be moved.
- Sender: email address from which the emails will be sent. Normally this corresponds to a noreply@ address which must exist on the SMTP server.

- **SendTo:** list of error email recipients. If there are multiple recipients they must be separated by the ";" character.
- **SMTPAddress:** hostname or IP address of the SMTP server. If left blank the application will only write any errors in the log file.
- **SMTPPort:** SMTP server port.
- **SMTPUsername** and **SMTPPassword:** SMTP server authentication data. If authentication will not be included they can be left blank.
- **S2GiftConfig:** path for retrieving the Stores2Gift configuration file containing the Database connection data.
- **ComponentXMLConfigFilePath:** indicates the path (the file name is fixed "Config.xml" and does NOT need to be specified) for uploading the configuration files necessary for the component that takes care of performing the calls to the Stores2Gift web server. To configure this file refer to the section "5. Config.xml configuration file" of the document "MCR.08.0159.10.FG - (en) - Stores2Gift component creation.doc". The component needs to be installed for correct operation of the tool.

4 Operation

The utility calls a Stores2Gift component for the creation/release and activation of vouchers starting from a file containing the list of vouchers. The component will check that the barcode passed for each voucher is unequivocal within the master data and meets the conditions defined in the track (prefix, length, sequential number start/end character) as well as normal checks performed during the card creation, release and sale phase (e.g. existence of node/workstation, sale and assignment node currency, etc.). In addition to the barcode information the validity start/end date, voucher value, minimum purchase amount and fidelity card barcode need to be passed. The last information is mandatory if the "Fidelity code mandatory" flag is enabled at GiftMaster level (see below).

The data passed to the component for production of the transactions will be as follows:

- node code and origin node code: code of the node passed in the import line;
- year: current year;
- movement type: always "FILE";
- movement number: sequential number of the file being imported;
- movement line: number of the line in the file;
- currency code: currency code passed in the import line;
- transaction code: transaction code passed in the import line;
- fidelity code: fidelity code read by the line passed in the import line;
- start/end validity date: date passed in the import line;
- minimum amount: minimum amount passed in the import line

To disable and possibly re-enable a voucher the corresponding record can be repassed assigning a value to the "Tipo" field of "1" or "2" based on the operation to be performed.

An alternative procedure would be to act directly on the validity setting a value to the dates in order not make it invalid and disable the voucher. Modifying an existing voucher is currently not managed.

The importing program is implemented with .NET framework 2.0. A setup procedure is not included, it is sufficient to copy the program files in a folder. The configuration file needs to be managed manually.

In order to ensure that files are not lost, the sequential number is considered binding, i.e. if it has been processed by file number 53, the next should be 54 and so on in sequence.

If the sequential number does not correspond, the program will track the error in the log (Error: the file 'xxx' does not match the expected progressive (n).) and blocks importing without sending an email.