



Point of Sale (POS) Terminal Simulator

Virtual POS for Govern V6

Release 6.0/6.1 Version 1

Last Revision Update: 2016/08/23

Version History

| Version | Date | Modify By | Description |
|---------|------------|-------------------|-----------------|
| 1.0 | 2016/05/31 | Olusegun Olaniyan | Create document |
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OVERVIEW

When demonstrating features of the Cash Collection Point of Sale (POS) payment process, there is a need to simulate the responses provided by the POS terminal. The reason for the simulation is that development will need to proceed in the absence of a physical POS terminal. The function of the simulator is to provide the responses that would be generated by a physical terminal.

Requirement

Through the Govern New Administration (GNA) the system will be configured to function in a “Virtual POS Simulation” mode of sorts. The principal interface for configuration is the Govern System Registry.

NOTE: The responses produced during POS Simulation mode are for a generic POS Terminal; no codes for any specific POS Terminal manufacturer are used.

INTERFACE

POS Simulation Mode when configured and enabled displays a modal window when a process requires payment. Inputs generated from the options on the modal screen will send generic responses from the virtual POS terminal to the Govern application.



The following generic responses can be simulated by the Virtual POS terminal:

- Approved – This transaction has been approved; payment was successful.
- Declined: NSF – The transaction has been declined due to insufficient funds.
- Invalid Credit Card No. – An invalid credit card number has been entered.
- Credit Card Expired – The user is attempting to use a credit card that has expired.
- Transaction Timed Out – Due to a delay in communications, the connection has timed out.

Simulating a POS Response

When the Virtual POS terminal has been configured to handle the payment requests of the Govern application, requests for payment via Credit or Debit are directed from Govern the Cash Collection (CC) Wizard and POS Terminal. The modal screen is displayed with option buttons.

1. In Govern perform a transaction that will generate a request for payment.
2. Click the simulated response that is required; i.e. *Approved*, *Declined: NSF*, and so on.

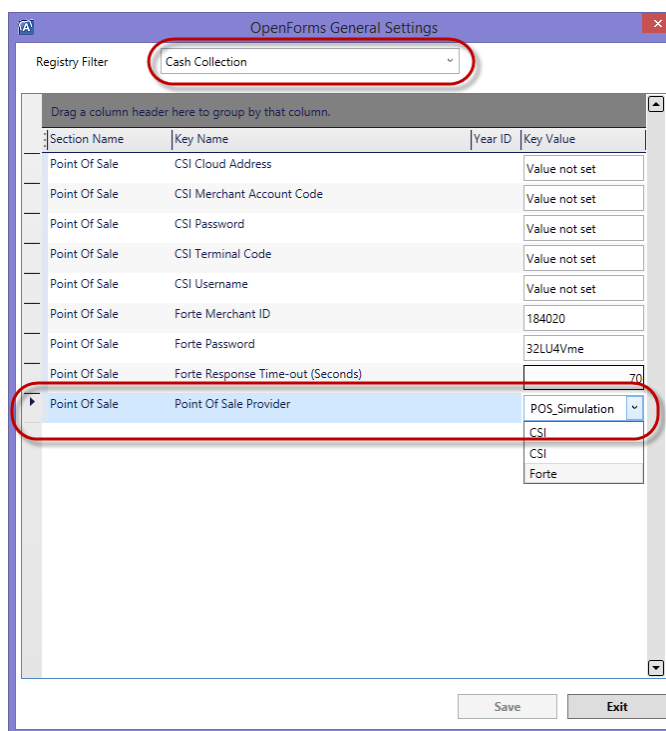
Any response that is selected will cause the modal screen to disappear and bring the appropriate response back to the CC Wizard. For example, a click on *Approved* will return a successful message to the CC Wizard, resulting in a payment received status. The user can then complete any remaining steps for the Wizard.

CONFIGURATION

To set the Govern System to POS Simulation mode, you will need to open the GNA application.

From the GNA ribbon...

1. Click *Parameters (tab) > System Parameters group > General Setting Editor*
2. In the OpenForms General Settings form, change the Registry Filter to Cash Collection.
3. Under the Section Name column, locate Point Of Sale; look for the Point of Sale Provider.
4. Look for the Point of Sale provider and change the Key Value to **POS_Simulation**.
5. Click **Save** to save the settings.



| Section Name | Key Name | Year ID | Key Value |
|---------------|-----------------------------------|---------|----------------|
| Point Of Sale | CSI Cloud Address | | Value not set |
| Point Of Sale | CSI Merchant Account Code | | Value not set |
| Point Of Sale | CSI Password | | Value not set |
| Point Of Sale | CSI Terminal Code | | Value not set |
| Point Of Sale | CSI Username | | Value not set |
| Point Of Sale | Forte Merchant ID | | 184020 |
| Point Of Sale | Forte Password | | 32LU4Vme |
| Point Of Sale | Forte Response Time-out (Seconds) | | 70 |
| Point Of Sale | Point Of Sale Provider | | POS_Simulation |
| | | | CSI |
| | | | CSI |
| | | | Forte |

APPENDIX

Tables

The following table is implemented for this feature. Transactions are logged in (Table: CC_CREDITCARD_LOG) to simulate a real transaction with a real POS terminal.