eCommerce with PF & GP

Front-Office

eCommerce App

Payment Processing Wallets

PayFabric®

Customers, Inventory, Order History, New Orders, Payment Data

Back-Office

Payment Processing Wallets

GP SERVER

GP

CCA

Microsoft Dynamics

Data

Pmt Data

GP Data

INTEGRATION SERVER

eStore Advantage

GP Data

MS eConnect

GP Data

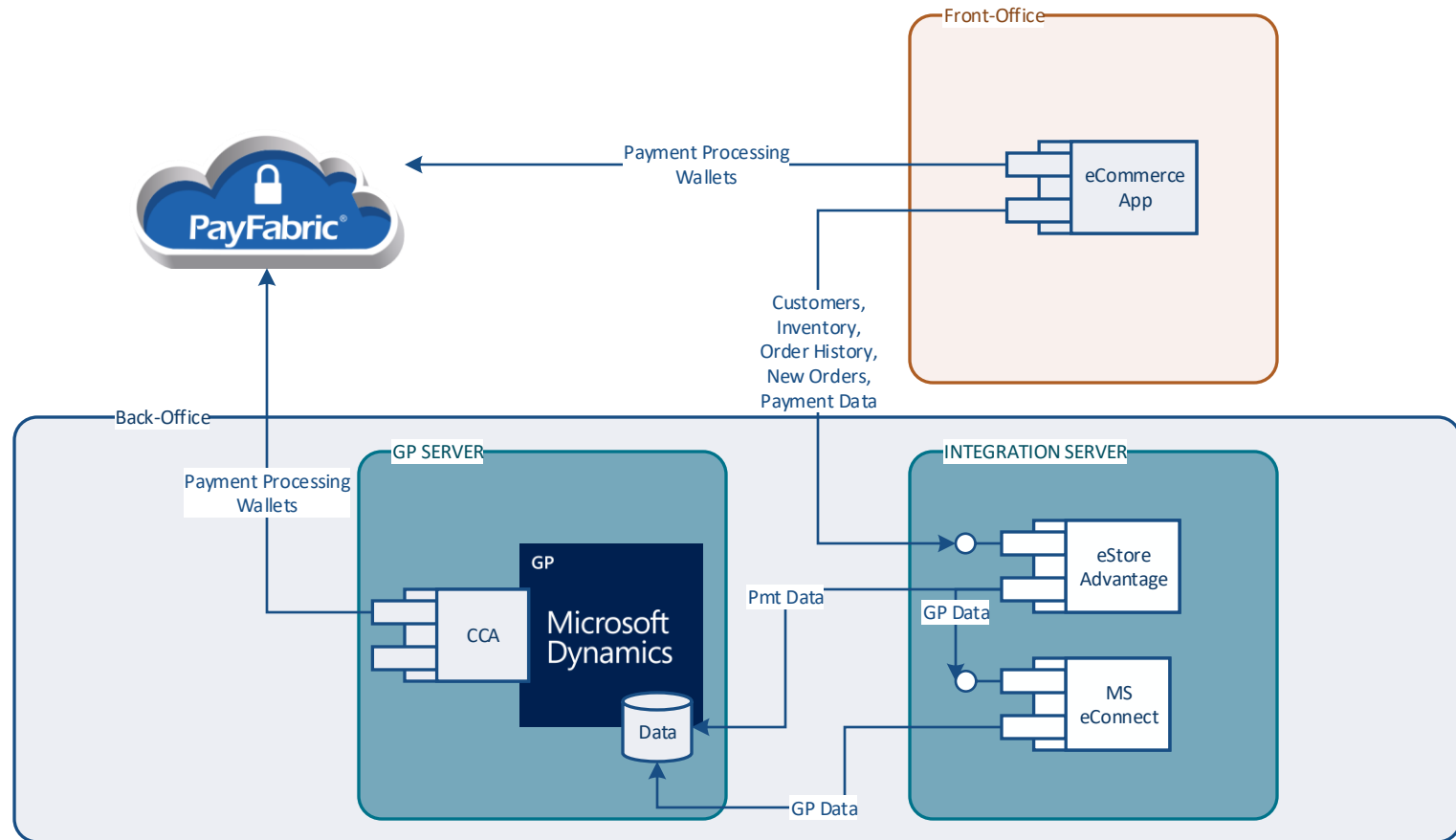## PayFabric (PF)

- Payment storage and processing RESTful APIs.
- A cloud based payment engine. No installation required.

eStore Advantage (EA)

- SOAP web service APIs for GP Integration. Handles GP native data through eConnect, as well as payment data and other custom data.
- On-premise implementation of web services, to be installed with Microsoft eConnect on the same network as GP.

Credit Card Advantage (CCA)

- Allows GP users to process electronic payments within GP. E.g. Process credit card transaction.
- A plugin/add-on to GP. Install on each GP client.

Process Flow

- ❖ The ecommerce site (App) will utilize EA to query GP for item inventory.

- ❖ The ecommerce site (App) will utilize PF to process credit card authorization.

- ❖ PF will return success/failure response in real-time. If successful, the response will also include a piece of XML for payment data. The XML is formatted per EA's requirement.

- ❖ App will build XML for the order per EA's required format and combine the order XML with the payment data XML received from PayFabric. Note that the line-items on the order should have quantities to invoice and quantities to order specified according to the item inventory level.

- ❖ App will send the final XML (now includes both the payment and the order) to EA.

- ❖ EA will attempt to integrate the data into GP and respond with success/failure in real-time.

- ❖ In case if EA responds that the integration failed, App should consider handling queuing the data. Typical handlings may include one or more of the following:

  - Automated resubmit
  - Manual resubmit
  - Allow user to modify the data before resubmit
  - Allow user to download/view/print the data for manual entry into GP and abandon data integration for the transaction/order.

- ❖ Order is inserted to GP's native tables, and payment data is inserted into CCA's tables – both are on the GP database.

- ❖ As GP user fulfills the order on GP, the GP user can utilize CCA to capture the credit card authorization. As CCA is now built into GP, the GP user will be able to build this into their fulfillment process and have it all done in one place, within GP.