



2023

Vend-Salesforce Connector

With **nearshore talent based in Argentina**, we provide excellent quality people to US-based companies at **competitive prices**, sometimes 80% less than US equivalents.

Our teams are in the same timezone as the US facilitating **communication and collaboration in real time.**

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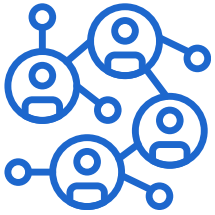
info@inforge.us



Hallandale Beach, FL 33009

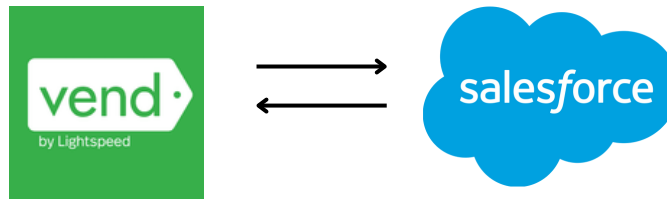
OUR MISSION

We accelerate businesses' growth by surfacing key information and automating processes.



- Expert Salesforce Architects & Developers.
- Competitive rates with nearshore developers.
- Company based in Florida.

BACKGROUND



Vend is a Point of Sale system. It was acquired at the Boca Raton Museum of Art for use at the museum's gift shop.

Inforge developed a connector in order to:



Have real-time store sales information in Salesforce (reporting, finance...).



Give member-based discounts at the store automatically by getting the member information in real time from Salesforce.

COMMUNICATION – WEBHOOKS

VEND TO SALESFORCE

In order to get the data in real-time in Salesforce we need to use webhooks. The following was done:

1. Create **Apex Web Services** in order to capture the HTTP requests coming from Vend.
2. Since the Apex Web Services need authentication by default, Salesforce Sites had to be created to **make the web services public**.
3. **Created the webhooks in Vend** so Vend could make HTTP requests to Salesforce for every new Sale, Product, Customer, or Inventory change.

← Edit Webhook

Webhooks are a way for integrators to react to events that occur in Lightspeed Retail. [Need help?](#)

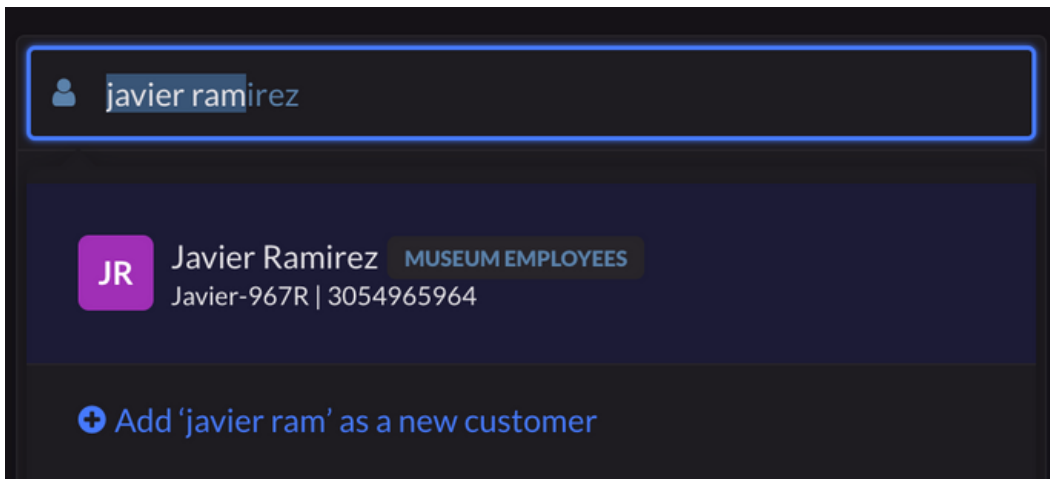
Save
Cancel

<p>URL</p> <input style="width: 90%; border: 1px solid #ccc; padding: 5px;" type="text" value="https://inforge--vendpck.sandbox.my.salesforce-sites.com/sales/services/apexrest/lightSpeedSale"/>	<p>Enabled</p> <input checked="" type="checkbox"/>		
<p>Type</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><input checked="" type="radio"/> Sale Updated Fired when sales are created or updated</p> <p><input type="radio"/> Customer Updated Fired when customers are created or updated</p> <p><input type="radio"/> Register Closure Created Fired when register closures are created</p> <p><input type="radio"/> Consignment Sent Fired when a consignment is sent</p> </td> <td style="width: 50%; vertical-align: top;"> <p><input type="radio"/> Product Updated Fired when products are created or updated</p> <p><input type="radio"/> Inventory Updated Fired when inventory changes occur</p> <p><input type="radio"/> Register Closure Updated Fired when existing register closures are updated</p> <p><input type="radio"/> Consignment Received Fired when a consignment is received</p> </td> </tr> </table>		<p><input checked="" type="radio"/> Sale Updated Fired when sales are created or updated</p> <p><input type="radio"/> Customer Updated Fired when customers are created or updated</p> <p><input type="radio"/> Register Closure Created Fired when register closures are created</p> <p><input type="radio"/> Consignment Sent Fired when a consignment is sent</p>	<p><input type="radio"/> Product Updated Fired when products are created or updated</p> <p><input type="radio"/> Inventory Updated Fired when inventory changes occur</p> <p><input type="radio"/> Register Closure Updated Fired when existing register closures are updated</p> <p><input type="radio"/> Consignment Received Fired when a consignment is received</p>
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COMMUNICATION – APEX TRIGGERS

SALESFORCE TO VEND

Real-time data regarding museum members is needed at the store. For every membership change, an Apex Trigger in Contact makes an HTTP request to vend in order to update the Customer information.



CONTROL PANEL – LWC

A Lightning Web Component was developed in order to:



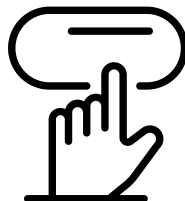
See connector status.



Manage synchronization preferences.

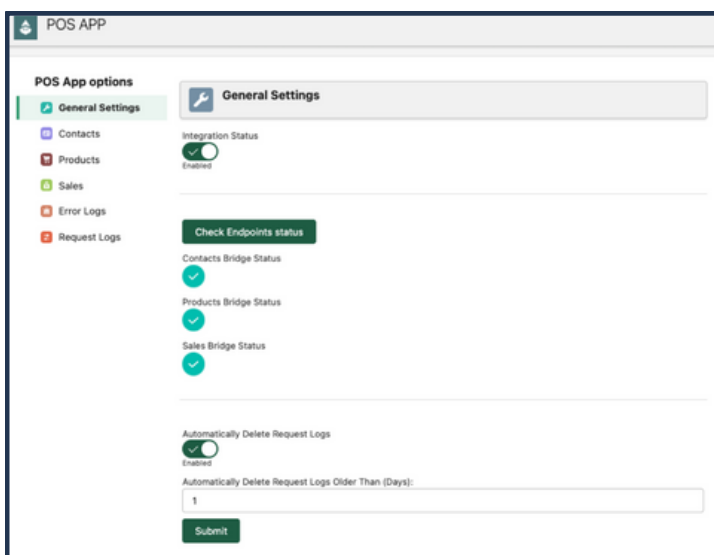


See error logs.



See Request Logs.

be able to reprocess them in case of an error (this was achieved with a Flow calling an Apex class with an Invocable Method).



Name	Module	Payload	Created Date
a02780000001DU7	Customer	{"balance": "0", "company_name": null, "contact": {"company_name": null, ...	2022-11-25T19:59:19.000+0000
a02780000001DU0	Sale	{"created_at": "2022-11-25 19:59:17", "customer": {"balance": "0.00000", ...	2022-11-25T19:59:18.000+0000
a02780000001DUk	Customer	{"balance": "0", "company_name": null, "contact": {"company_name": null, ...	2022-11-25T19:33:07.000+0000
a02780000001DUr	Sale	{"created_at": "2022-11-25 19:33:05", "customer": {"balance": "0.00000", ...	2022-11-25T19:33:06.000+0000
a02780000001DUa	Customer	{"balance": "0", "company_name": null, "contact": {"company_name": null, ...	2022-11-25T19:25:05.000+0000
a02780000001DUV	Sale	{"created_at": "2022-11-25 19:25:04", "customer": {"balance": "0.00000", ...	2022-11-25T19:25:05.000+0000
a02780000001DUL	Sale	{"created_at": "2022-11-25 19:23:30", "customer": {"balance": "0.00000", ...	2022-11-25T19:24:19.000+0000
a02780000001DUQ	Customer	{"balance": "0", "company_name": null, "contact": {"company_name": null, ...	2022-11-25T19:24:19.000+0000
a02780000001DUG	Sale	{"created_at": "2022-11-25 19:23:30", "customer": {"balance": "-10.7000", ...	2022-11-25T19:23:35.000+0000
a02780000001DUB	Customer	{"balance": "-10.7", "company_name": null, "contact": {"company_name": null, ...	2022-11-25T19:23:34.000+0000
a02780000001DU1	Product	{"active": true, "attributed_cost": null, "base_name": {"phone": "1", "brand": "E...}	2022-11-25T18:36:51.000+0000
a02780000001DU6	Product	{"active": true, "attributed_cost": null, "base_name": {"phone": "1", "brand": "E...}	2022-11-25T18:36:51.000+0000

OPPORTUNITIES

For every Sale, an Opportunity is created with full detail of products, pricing, taxes, and discounts.

Amount	Close Date	Stage	Relating To Opportunity
\$59.92	12/05/2022	Closed Won	

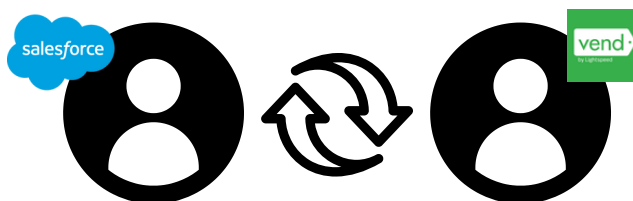
Product	Quantity	Total Price	POS Status
Sales Tax	1.00	\$3.92	
Loqi Zip - Hokusal Mountains	1.00	\$14.00	purchased
Loqi Bag - Waterlilies	1.00	\$14.00	purchased
Loqi Bag - Starry	1.00	\$14.00	purchased
Loqi Bag - Almond Blossom	1.00	\$14.00	purchased

GAU Allocations (2)	
1-2110	
GAU Allocation Na...	ALL-647246
General Accountin...	Store Sales Tax
Amount:	\$1.75
1-4200-110-100-10000-2-10	
GAU Allocation Na...	ALL-647247
General Accountin...	Store Sale
Amount:	\$25.00
View All	
Payments (1)	
PMT-658722	
Check/Reference ...	
Paid:	<input checked="" type="checkbox"/>
Payment Date:	12/07/2022
View All	

CONTACTS

The synchronization of contacts works bi-directional. Any update on vend customers will cause an update on contacts on Salesforce and viceversa.

Membership information is updated real-time in vend.



Javier Ramirez

Museum Employees · Last shopped 20 days ago

Account Balance

\$0.00

On Account limit available: \$0.00

Loyalty

\$0.00

Store Credit

\$0.00

[Customer Details](#)
[Store Credit](#)
[Notes on Customer](#)

Customer Info

Code	Javier-967R
Contact Info	
Phone	3054965964
Email	jramirez@bocamuseum.org
Physical address	3801 So. Ocean Drive, FL, US
Postal address	Hollywood, 33019, US

View Customer Sales

Edit Customer

PRODUCTS



- All the product information is updated in real-time in Salesforce.



- Within the product record, you can see the current inventory, the supplier price, and the list price.

▼ POS	
POS Id 46c67ba8-51a3-4dfc-a659-9485c92199b2	POS Inventory 4
POS Brand	POS IsActive <input checked="" type="checkbox"/>
POS Price 14.00	POS Product Type Inventory
POS Sku 3-207233	POS Supplier The ... Group
	POS Supplier Price 7.00

INVENTORY TRANSACTIONS

This was a special requirement from the Finance department. They need a record of all the inventory changes including increases and decreases.

POS Inventory Transaction Name	Product	Count	Old count	Status	Created Date	Attributed Cost
<input type="checkbox"/> a3G4P000000Whza	Soap - Andy Warhol	3	5	Decrease	12/07/2022, 2:27 PM	1.66
<input type="checkbox"/> a3G4P000000Whzf	Thinking Putty 2"	329	330	Decrease	12/07/2022, 2:27 PM	2.00
<input type="checkbox"/> a3G4P000000Whzk	Map Luggage Tag	19	20	Decrease	12/07/2022, 2:27 PM	2.75
<input type="checkbox"/> a3G4P000000WhzQ	ER Aja	0	1	Decrease	12/07/2022, 2:15 PM	24.50
<input type="checkbox"/> a3G4P000000WhzL	PURSE VENEZIA	4	5	Decrease	12/07/2022, 2:11 PM	64.00
<input type="checkbox"/> a3G4P000000WhzG	BRMA BENDY PENCILS	319	320	Decrease	12/07/2022, 2:08 PM	1.25
<input type="checkbox"/> a3G4P000000WhzB	Dall Sock (Large)	4	5	Decrease	12/07/2022, 1:53 PM	4.70
<input type="checkbox"/> a3G4P000000Whz6	HG NK #33	0	1	Decrease	12/07/2022, 1:32 PM	0.00
<input type="checkbox"/> a3G4P000000Whz1	ORIGIN ER	29	30	Decrease	12/07/2022, 12:45 PM	8.93
<input type="checkbox"/> a3G4P000000Whyw	Madras Bowl (Medium)	0	0	Increase	12/07/2022, 10:36 AM	14.65
<input type="checkbox"/> a3G4P000000Whyr	Madras Bowl (Medium)	0	2	Decrease	12/07/2022, 10:36 AM	14.65
<input type="checkbox"/> a3G4P000000WhyM	Tree of Life Notecards	1	2	Decrease	12/07/2022, 10:36 AM	6.50
<input type="checkbox"/> a3G4P000000WhyS	L&L Placemats	36	38	Decrease	12/07/2022, 10:36 AM	6.90

This presentation was created with the permission of the Boca Raton Museum of Art.



"Inforge pairs in-depth technical knowledge and keen analytical skills to listen to your business requirements and provide timely solutions that meet your goals.

They are collaborative, creative, and vital members of our team."

James May
Chief of Staff



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