

Plex Supply
Chain Community



Development Tools – Reporting & Integration



Plex Supply Chain Community



Agenda

- Reporting Tools
 - SDE
 - VisionPlex
 - IntelliPlex
- API
 - What are API?
- Integration
 - Integration opportunities
 - Existing integration examples



Plex Supply Chain Community



SDE, VisionPlex

- Create custom queries & reports

The screenshot displays the FLEX SQL Development Environment interface. The top navigation bar includes the FLEX logo, user name 'Steadman, Jim', group 'Revolution Group', and environment 'SQL Development Environment'. Below this, there are tabs for 'View Stored Procedures', 'New Query', 'Execute', 'Save', and 'Download'. The main workspace is divided into three panes: a left sidebar with a tree view of database objects (Material, Part, Views, Action_Type, Action_Type_e, Active_Rejection_Container, Active_Rejection_Container_e, Adjustment, Adjustment_e, Adjustment_Reason, Adjustment_Reason_e, Alert, Alert_e, Allocation_Partial_Bundle, Allocation_Partial_Bundle_e), a central pane showing the 'Result Set 1' with a table of data, and a right pane showing the SQL query editor.

Result Set 1

PCN	Part_No	Revision	Operation_Code
Revolution Group	Stamp 1 Blank	1	Stamp
Revolution Group	PART A2	1	Stamp
Revolution Group	PART A3	1	Stamp
Revolution Group	PART A4	1	Stamp

SQL Query Editor

```
1 SELECT
2   CGM.Plexus_Customer_Code AS PCN,
3   P.Part_No,
4   P.Revision,
5   OP.Operation_Code
6 FROM Part_v_Part_e AS P
7 JOIN Part_v_Part_Operation_e AS POP
8   ON POP.Plexus_Customer_No = P.Plexus_Customer_No
9   AND POP.Part_Key = P.Part_Key
10 JOIN Part_v_Operation_e AS OP
11   ON OP.Plexus_Customer_No = POP.Plexus_Customer_No
12   AND OP.Operation_Key = POP.Operation_Key
13 JOIN Part_v_Operation_Type AS OT
14   ON OT.Plexus_Customer_No = OP.Plexus_Customer_No
15   AND OT.Operation_Type = OP.Operation_Type
16 JOIN Plexus_Control_v_Customer_Group_Member AS CGM
17   ON CGM.Plexus_Customer_No = P.Plexus_Customer_No
18 LEFT OUTER JOIN Part_v_BOM AS B
19   ON B.Plexus_Customer_No = P.Plexus_Customer_No
20   AND B.Part_Key = P.Part_Key
21 WHERE OT.Material != 1
22   AND B.BOM_Key IS NULL
23   AND P.Part_Key > 0
```



Plex Supply Chain Community



VisionPlex

- Create & manage custom reports from SQL queries or existing datasources

The screenshot displays the VisionPlex Designer interface. The top navigation bar includes the PLEX logo, user name 'Steadman, Jim', and report title 'Subcontract Forecast (VisionPlex Designer)'. The main design area shows a form with fields for 'Part No', 'Part Type', 'Supplier', and 'Planner', each with a search icon. Below the form is an 'Add' button. The bottom section shows a data preview table with columns for 'Part No Revision', 'Part Name', 'Supplier Code', 'Supplier Quantity', 'Pre Subcon Quantity', 'Demand Type', 'Past Due', and a series of dates from 2/15/2021 to 3/15/2021. The table contains three rows of data.

Part No Revision	Part Name	Supplier Code	Supplier Quantity	Pre Subcon Quantity	Demand Type	Past Due	2/15/2021	2/22/2021	3/1/2021	3/8/2021	3/15/2021
2258-100-A	2258-TEST Sub 1	BASF			Customer Demand	238,672	0	0	0	0	0
			1,040	0	Scheduled Jobs	0	0	0	0	0	0
2258-200-A	2258-TEST Sub 2	Seymour Tube			Customer Demand	233,417	0	0	0	0	0

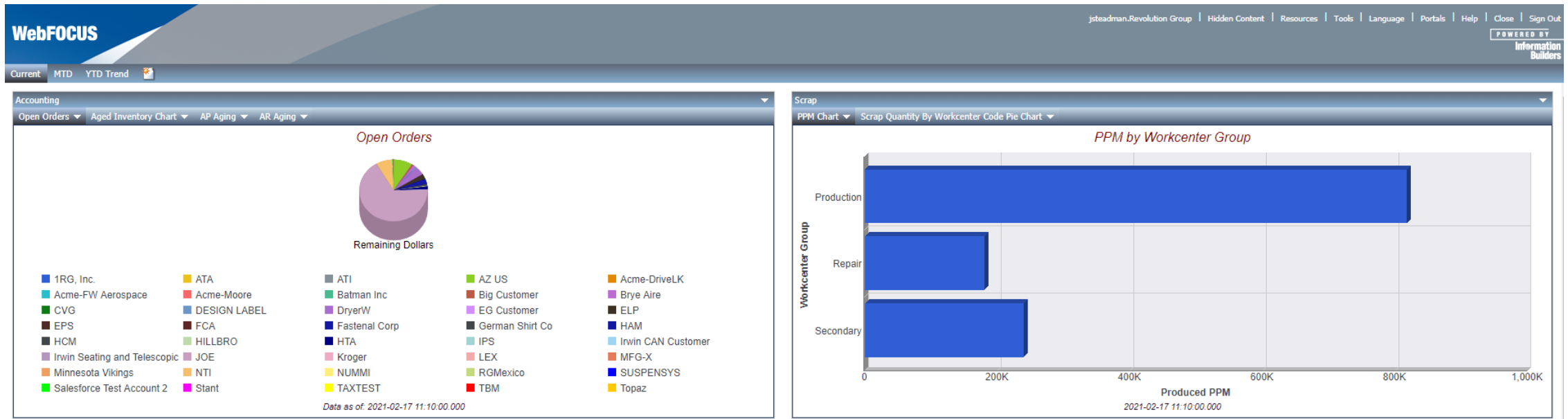


Plex Supply Chain Community

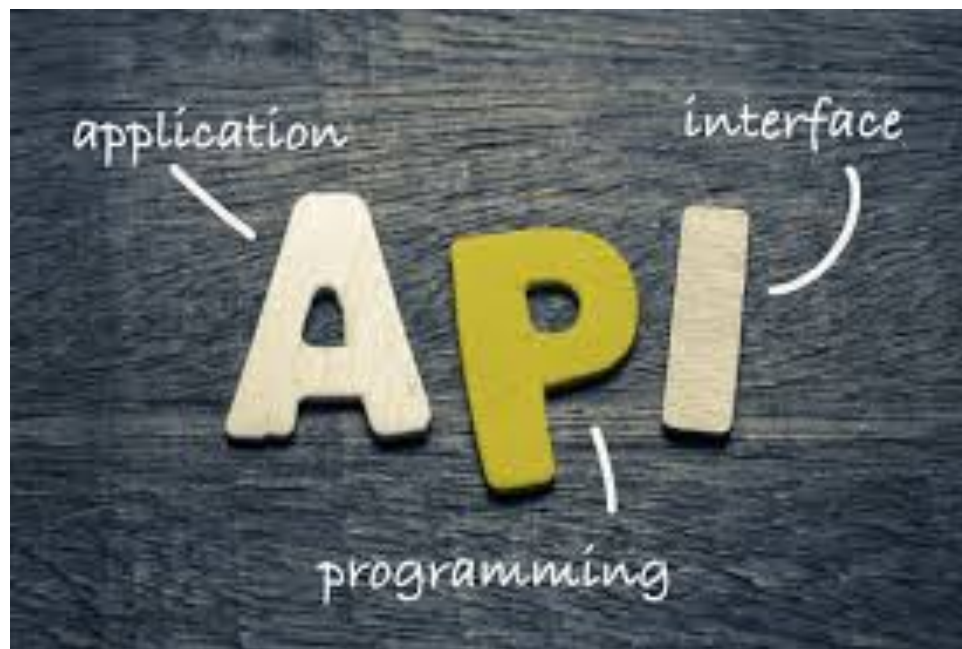


IntelliPlex

- Create & distribute custom reports, charts, and dashboards



Plex Supply Chain Community



Plex Supply Chain Community



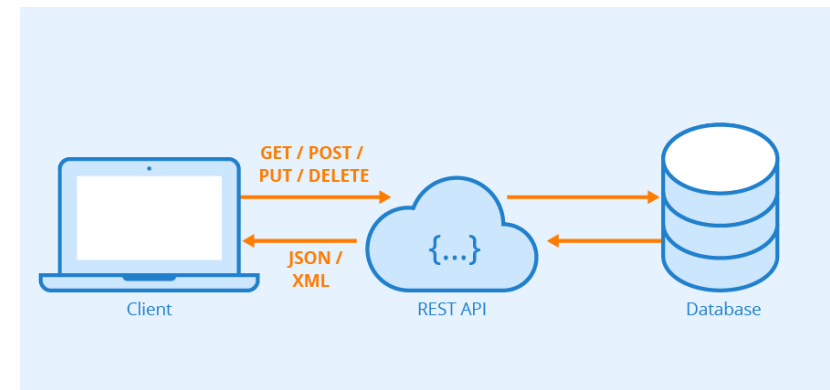
API

API – Application Programming Interface

- Interface that allows interaction with an existing application, accessing data and functionality of the application.

Web Service

- Resource available over the internet
- *All web services are API*



Plex Supply Chain Community



Plex Datasources

DATA SOURCE ▾

ID	22449
Data Source Name	Release_Job_Simple_Add (Sales)
Data Source Type	Stored Procedure
Database Name	Sales
Stored Procedure Name	Release_Job_Simple_Add
Read Row Limit	1000
Description	

INPUT PARAMETERS ▾

Name	Data Type	
Job_Key	int	
Release_Key	int	

OUTPUT DATA ▾

Name	Data Type	Output Type
Result_Code	int	Direct
Result_Error	bit	Direct
Result_Message	varchar	Direct

INPUT PARAMETERS ▾

Name	Data Type
Job_Key	int
Release_Key	int

OUTPUT DATA ▾

Name	Data Type
Result_Code	int
Result_Error	bit
Result_Message	varchar



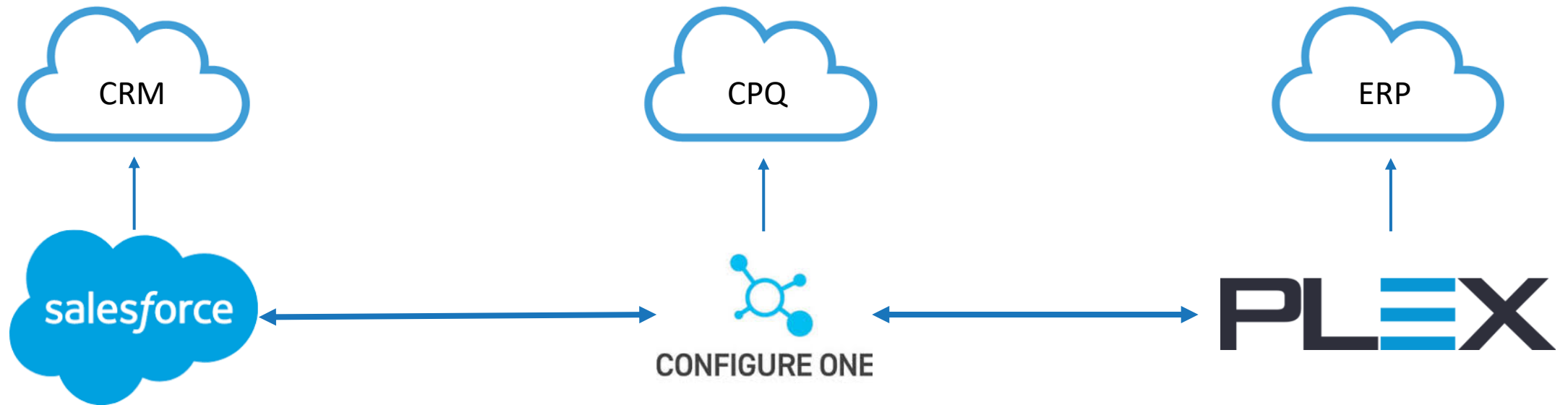
Plex Supply Chain Community



Plex Supply Chain Community



3rd Party Applications – CRM, CPQ...



Plex Supply Chain Community



PLEX | Steadman, Jim | Revolution CTO Engineering | Exploded Bills of Materials

< View Parts

EXPLODED BOM

Print

EXPLODED BILL OF MATERIALS

- ▼ FT-DURASTAR_4400_CREW-96-20 Freight Truck
 - ▼ 10 - Truck Assembly Production
 - ▼ (1) WIV001520 12" GRIP STRUT Spring
 - 10 - Rear Bumper Assembly Production
 - ▼ (1) WIV2000 Dual Panel Swing Door Assembly
 - ▼ 10 - Rear Door Assembly Production
 - (1) WIV2017 Dual Door Panel
 - (1) WIV2065 Door Hinge Assembly
 - (1) WIV2087 Door Cam Action Lock Kit
 - ▼ (1) WR2916H Walkramp, Aluminum, Hook, 16ft, 29in
 - 10 - Walkramp Assembly Production

C1 INDUSTRIES

Home Configs Carts Quotes Orders New

Bill Of Material

Part #	Qty.	Extnd.
FT-96-96-14-xxxxx	1	\$ 0.00
DFB-00044	1.16	\$ 0.32
WR2916H	1	\$ 596.96
DFB-0022	9	\$ 216.00
WIV00512	1	\$ 0.00
PD44217	1	\$ 277.00
PD64891	1	\$ 51.00
PD46104	1	\$ 40.00
PD64490	1	\$ 30.00
PD76425	3	\$ 6.00
PD32132	3	\$ 6.00
WIV11200	1	\$ 526.00
WIV1000	1	\$ 0.00
WIV1044	5	\$ 150.00
WIV1098	10	\$ 50.00
WIV1045	2	\$ 80.00
WIV1063	10	\$ 30.00
WIV1061	1	\$ 15.00
WIV1011	1	\$ 10.00
FT-14-BASE	1	\$ 12,000.00
Total		\$ 14,084.28

Previous

Liftgate

Maximum Platform Width
Set by body width 72"

Material From Liftgate

Liftgate

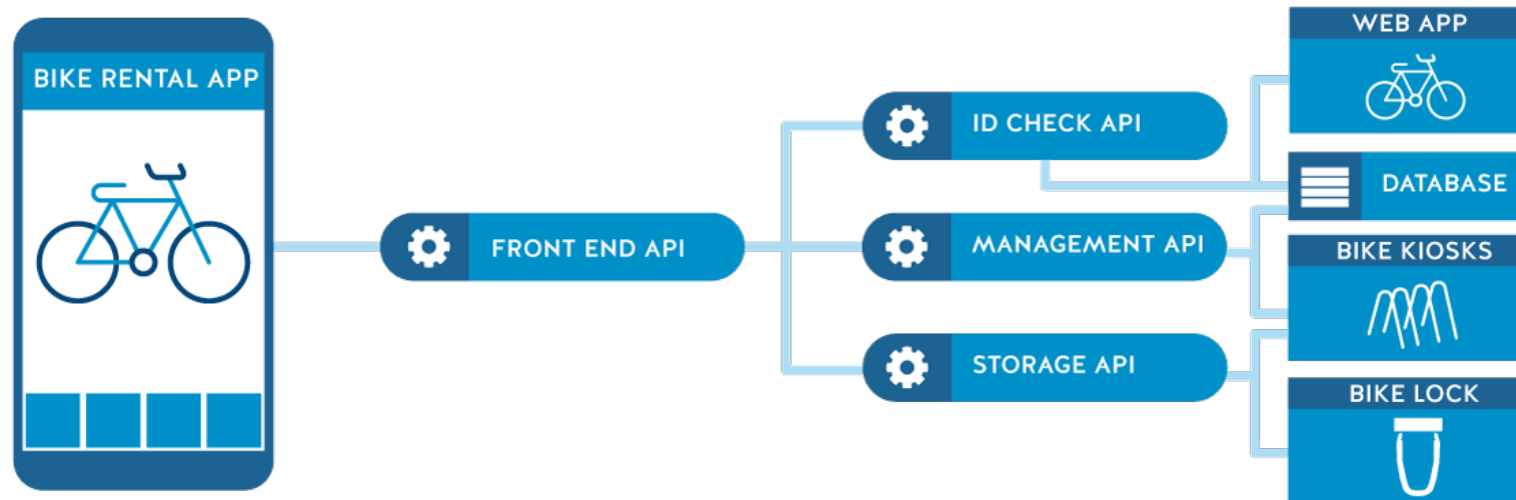
Tuck Under

Conventional

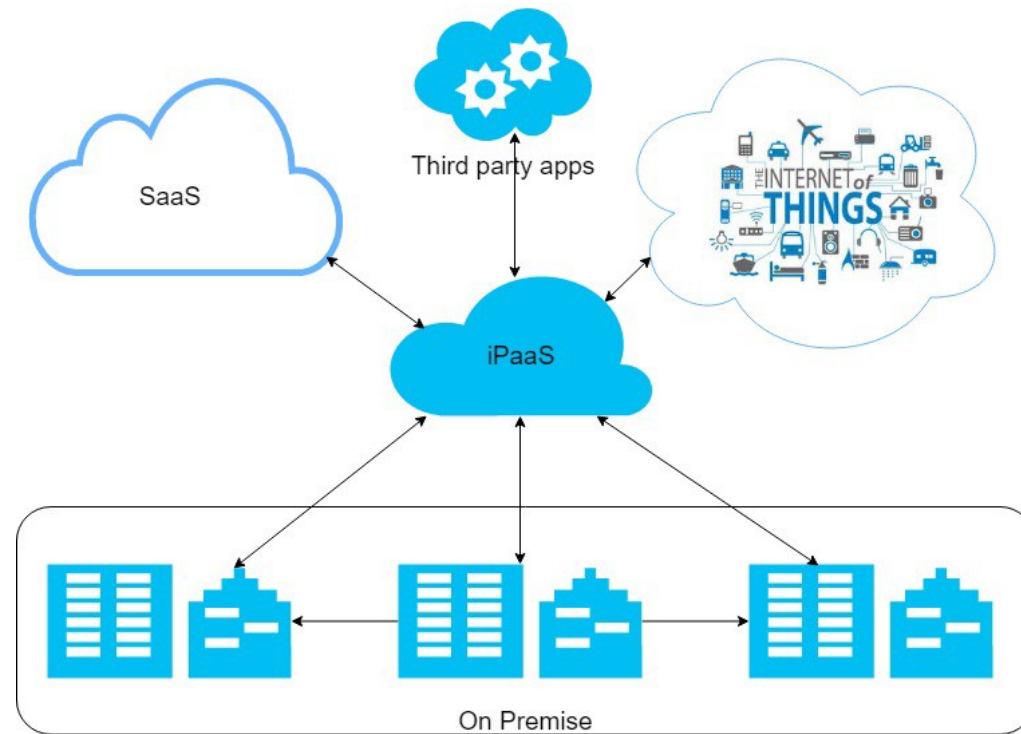
Rail Type



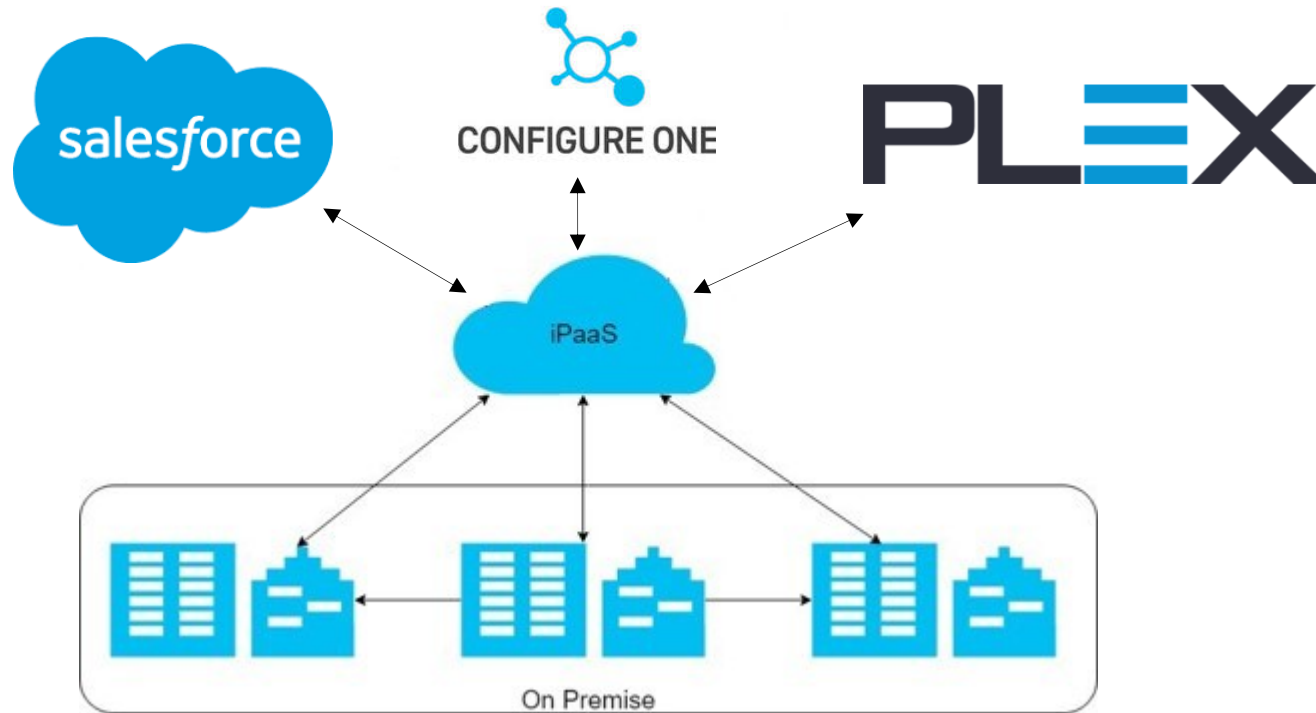
Plex Supply Chain Community



Plex Supply Chain Community



Plex Supply Chain Community



Plex Supply Chain Community



Existing Integrations

- Salesforce
- Avalara AvaTax
- DemandCaster
- Kors Mach II
- Configure One
- EDI



Plex Supply Chain Community



Benefits of Development

- Specific & relevant reporting – exactly the data that is required
- Business-specific logic and computations
- Integration
 - Automation – reduce chance for error
 - Speed – real time connections between systems eliminate delays
 - Enhancement – leverage specialized applications and connect with customer and supplier systems
 - Customer Experience – improve customer satisfaction with self service applications & real-time feedback

