



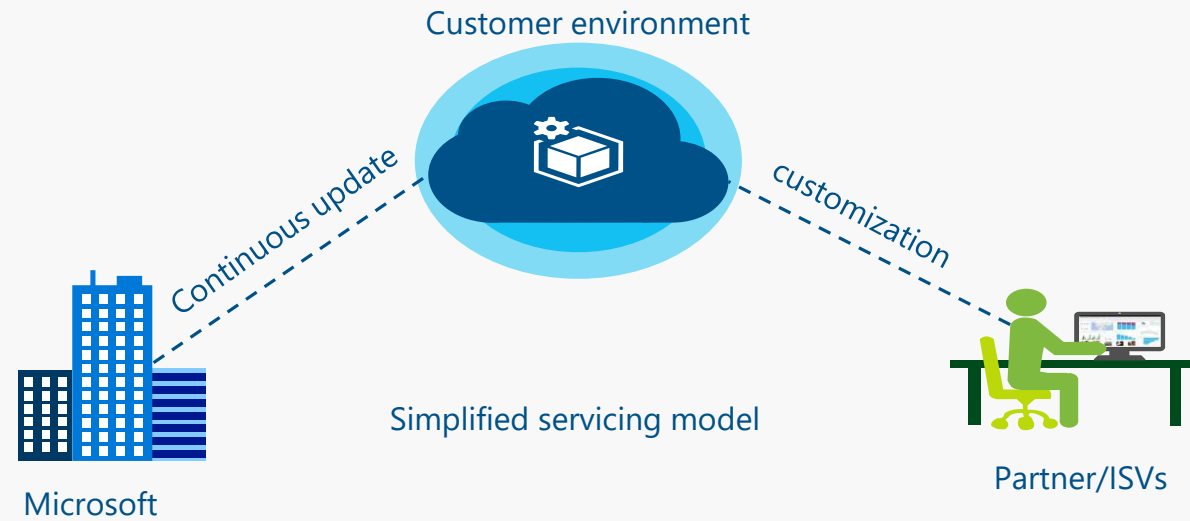
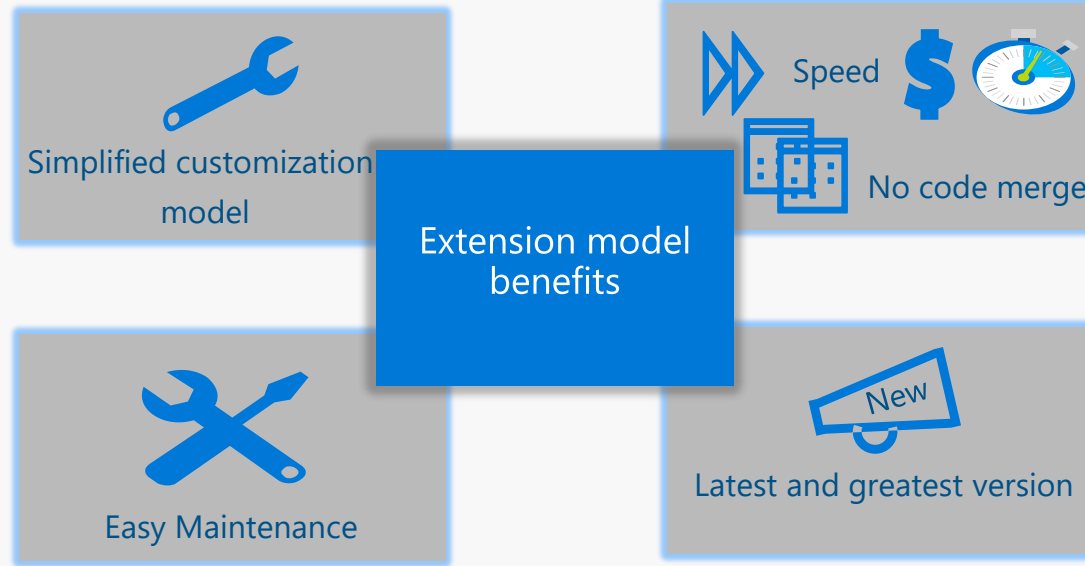
Microsoft Dynamics 365 for Retail – Extensibility workshop

Jun 2017

Benefits of App sealing

Benefits undeniable

Benefits undeniable



POS Extension

What Can I do?



Dev

- New Extension project template
- Extension Manifest
- Support for Multiple extension projects
- More to come...

POS Framework

- New POS Operations
- New and modify existing views*
- Customer and Order Attributes
- Enhanced Triggers
- POS Controls, Custom controls and Dialogs
- Data list and App bar extension
- Error and Log framework
- Retail proxy and Hardware station APIs
- Localization framework

POS Extension

- Show journal
- Product search
- Welcome screen and Transaction screen (Layout designer)
- Product and Customer Details
- Customer Add/Edit
- More to come...

POS Views

- Attribute driven extension for Customers
- More to come...

POS Configuration driven extensions

- App Bar, Header split view, Menus
- Toggle switch, Pivot, Spinner, time and Date
- More to come...

POS Controls

AX Extension

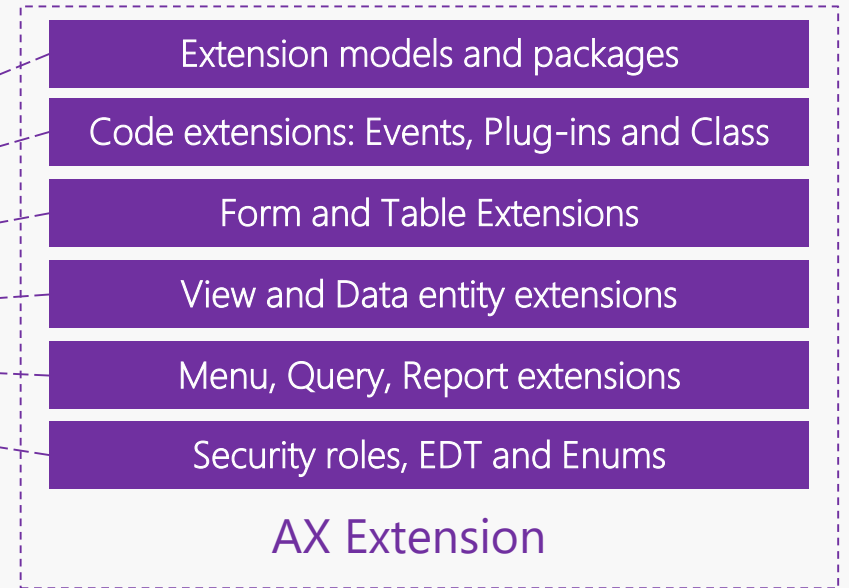
Follow the extensibility pattern to extend any Dynamics 365 for Operation components.

<https://ax.help.dynamics.com/en/wiki/customization-overlayering-and-extensions/>

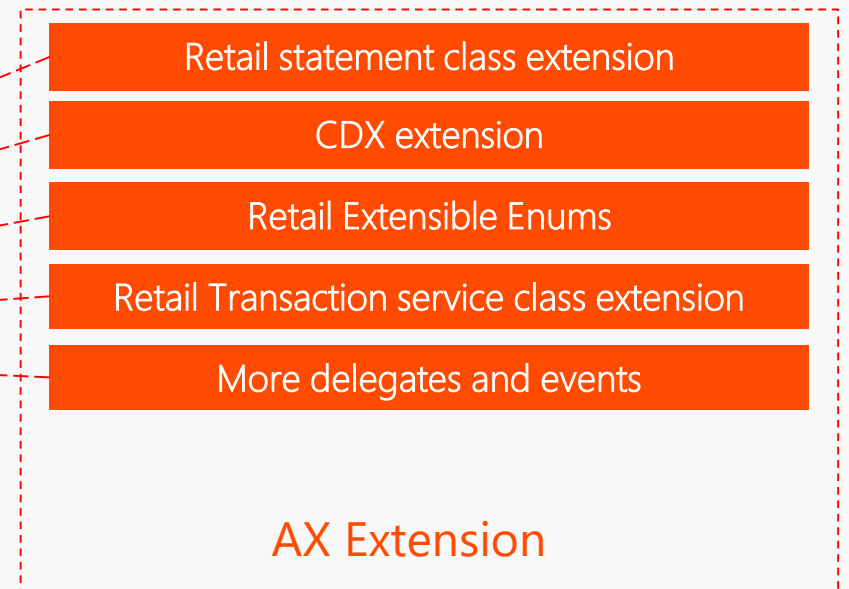
What's coming



Dev



Dev

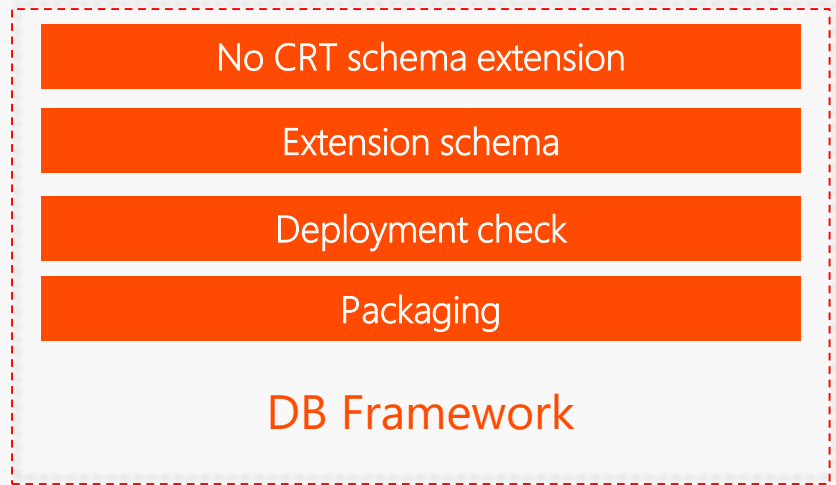
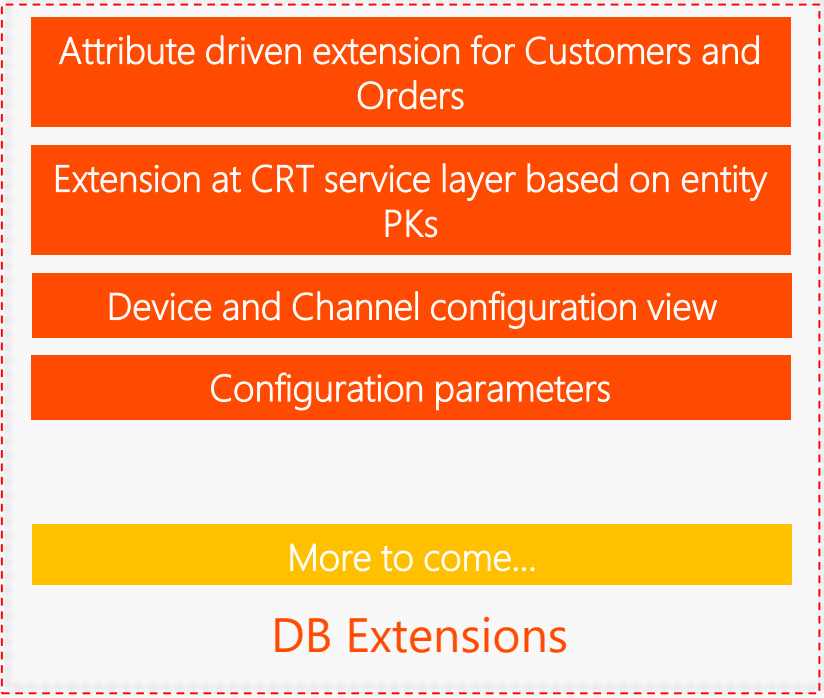


DB Extension

What Can I do?



Dev



Hardware station Extension

What Can I do?



Dev

New Request/Response based extension pattern

Supports pre and post triggers

New Device extension

New operation extension

More to come based on feedback...

HWS Extensions

Override

New

Pre and Post

HWS Extension Pattern

Customer and Order attribute

Customer attributes

Configuration driven extension

HQ:

- Attributes for Customer

POS

- Customer/Add edit screen
- Customer details
- Customer panel in transaction screen
- Customer search – Sample extension (Attribute as column and Search by attribute*)

Order attributes (Header & Lines)

Configuration driven extension

HQ:

- Call center orders
- Update channel orders

POS

- Customer orders
- Cash & Carry

Retail server Extension

Commerce Proxy generator

Online:

- Proxy by extension
- Decoupled from POS

Offline:

- No change - New version will be available in App Update 2*

Multiple RS Extension

- Support for Extension by ISV/Partner

Real time transaction service and CDX Extension

RTS:

- No overlayering
- Extension of Attribute

CDX:

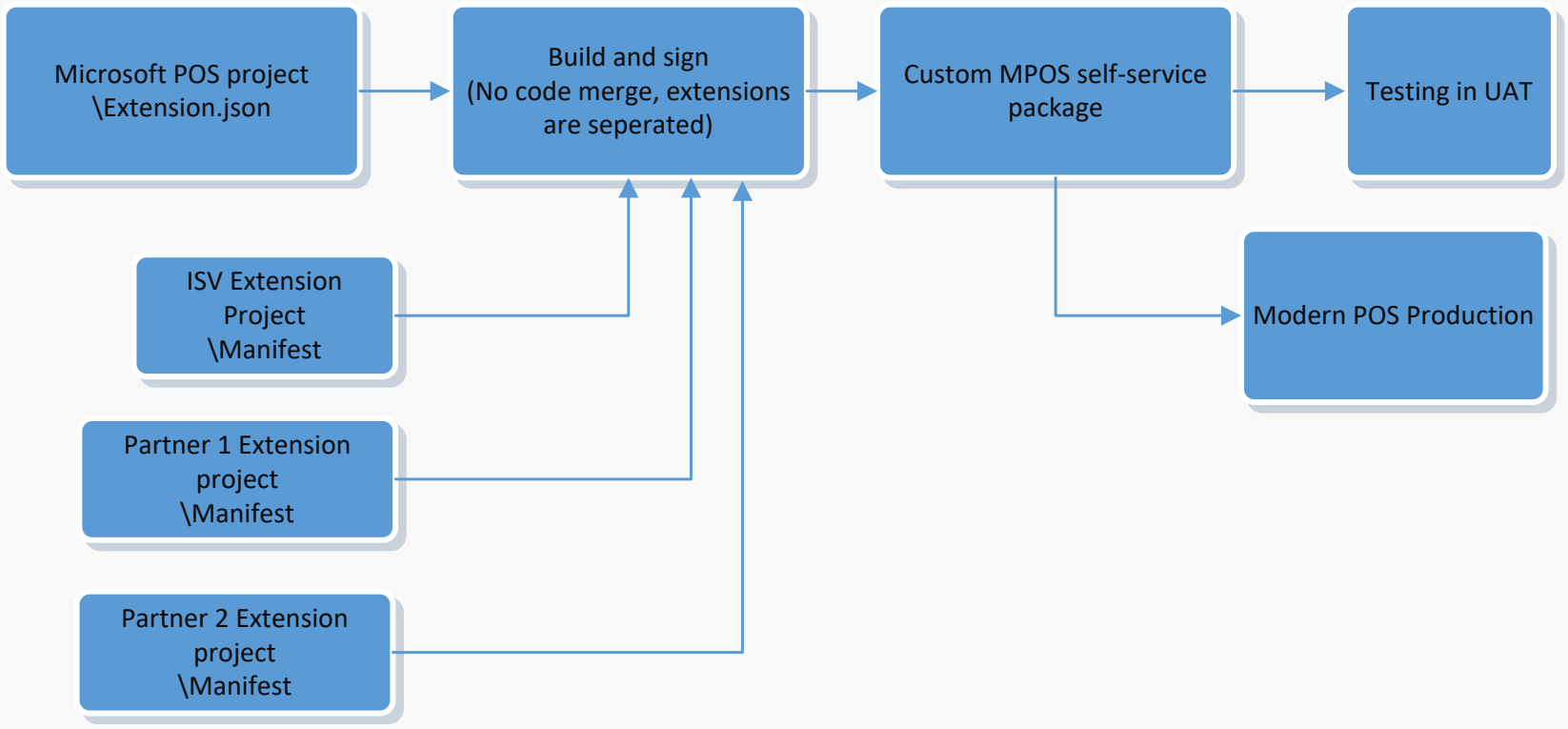
- No overlayering
- Added delegate

Packaging

What Can I do?



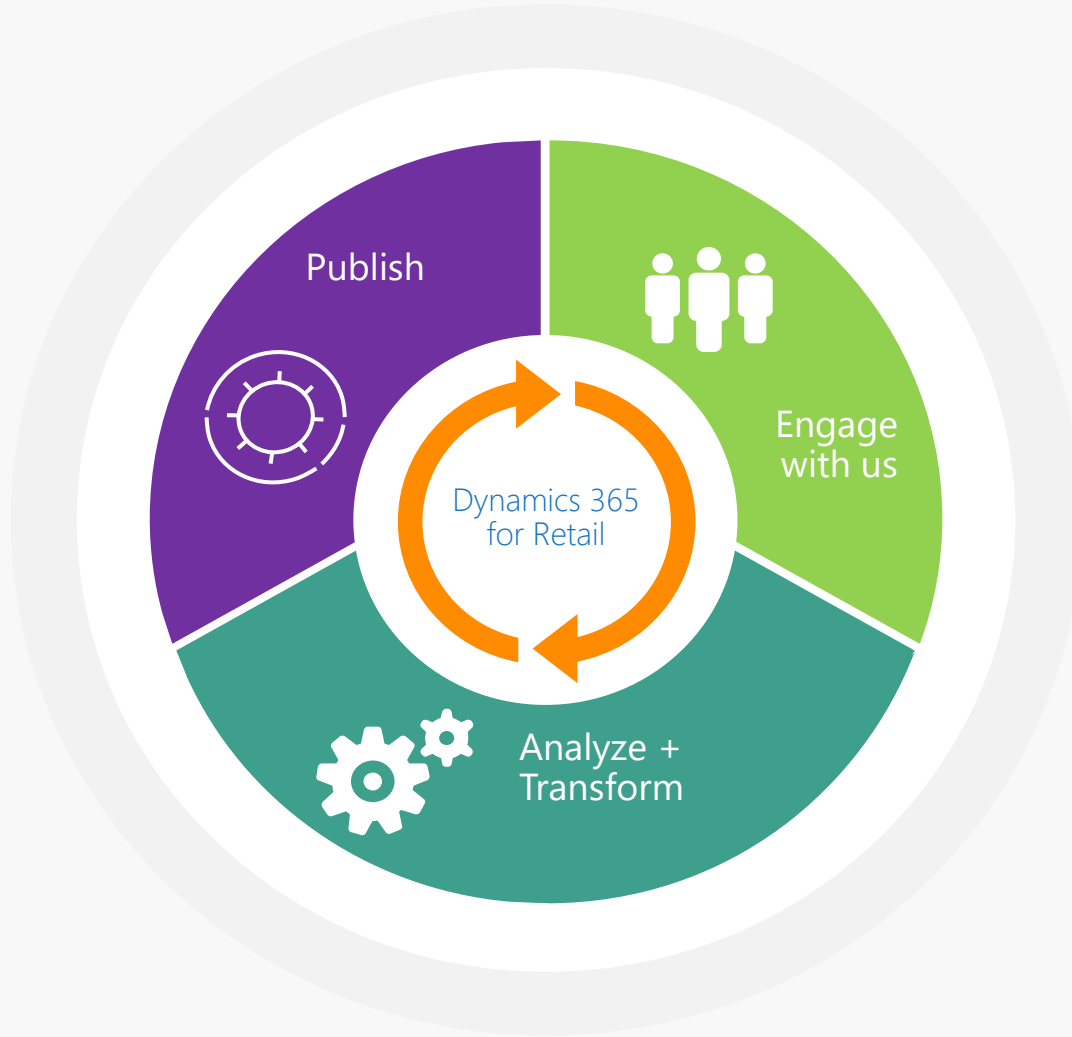
POS Extensibility packaging des



Engagement model

Engagement model

What Can I do if extension points are not available for my scenario?



Engagement model

Sources for sharing AX customization details

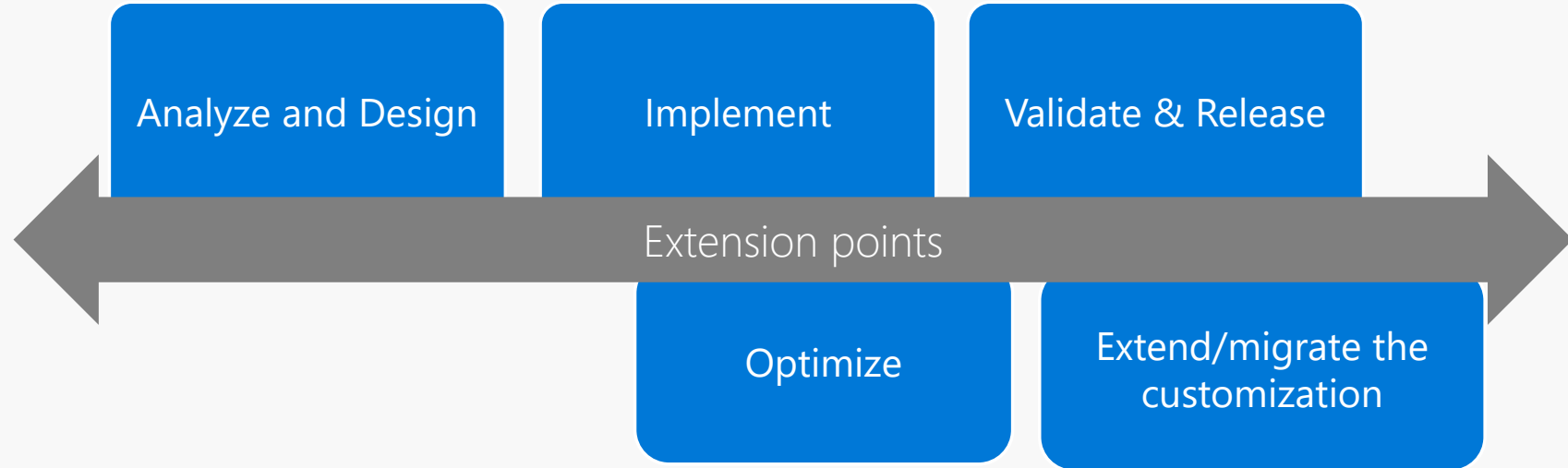
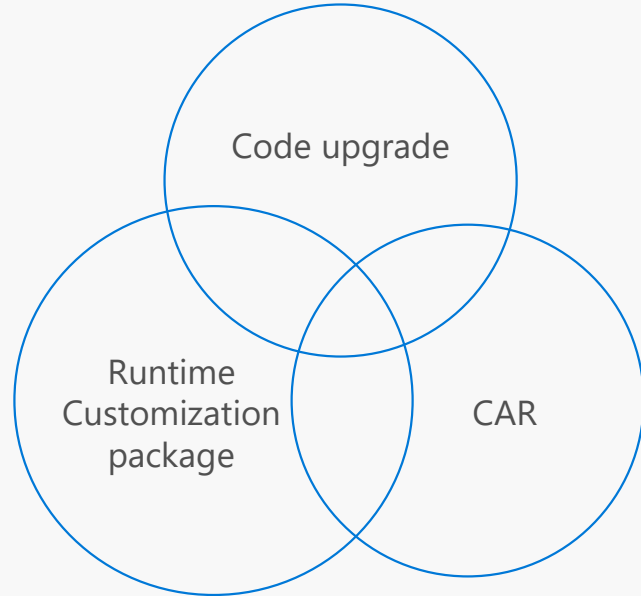


Dev

Engagement model



Telemetry sources



Sources for sharing AX customization

Template:

Customer/ISV name	Target date for go-live	Priority	Customization scenario/Business process	Class name: Method name:	Table: Table methods:	Enums:	Views: Maps: Macros:
				Extension point details: Sample: Need to modify the method signature, sql in code, long method or need to change the while statement in method A or some logic	Extension point details:		

Sources for sharing Retail customizations

Customer/ISV name	Target date for go-live	Priority	Customization scenario/Business process	POS Screen shot, code files or more details about the new extension point, like need support for new operation, need to add column in show journal screen or new view etc.	CRT Service name: Extension points needed: Share the details of which service you are planning to extend and why (feature gap etc.)	Extended Channel DB Proc name: View name: Table name: Share the details of DB artifacts you are planning to extend and why (to add new columns etc.)	Extended Hardware station Device name: Share the details of what are you planning to extend and why. (to ad support for printing multiple logos etc.)

Note: If you already customized then please share the files which has inline changes.

Contact information

Microsoft Dynamics 365-Retail Extensibility - dyretext@microsoft.com

