



# TIPS OG TRIKS MAJ 2023

Teams Meeting 22 Maj 2023

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# Dagens ämnen

Lite smått och gott runt M3 Cloud Edition

XtendM3 i verkligheten

Direktrapport från Simon om Experience Designer

Jockes höjdare



# Infor M3 Cloud Edition

Infor **CloudSuite**



## M3 Cloud Edition Customers

Customers provisioned with M3 Cloud Edition

**460** (156 live) (451/151)



## Usability Features Delivered

\*\* Developments for Technology and User Experience

**193** (172)



## Total Countries Supported

Countries Supported with M3 CloudEdition

**71**



## Capability Features Delivered

\*\* Developments for Integrations and Geo Support

**644** (633)



## Total Integrations supported

Strategic Integrations with Best-of-Breed and 3rd Party

**27**

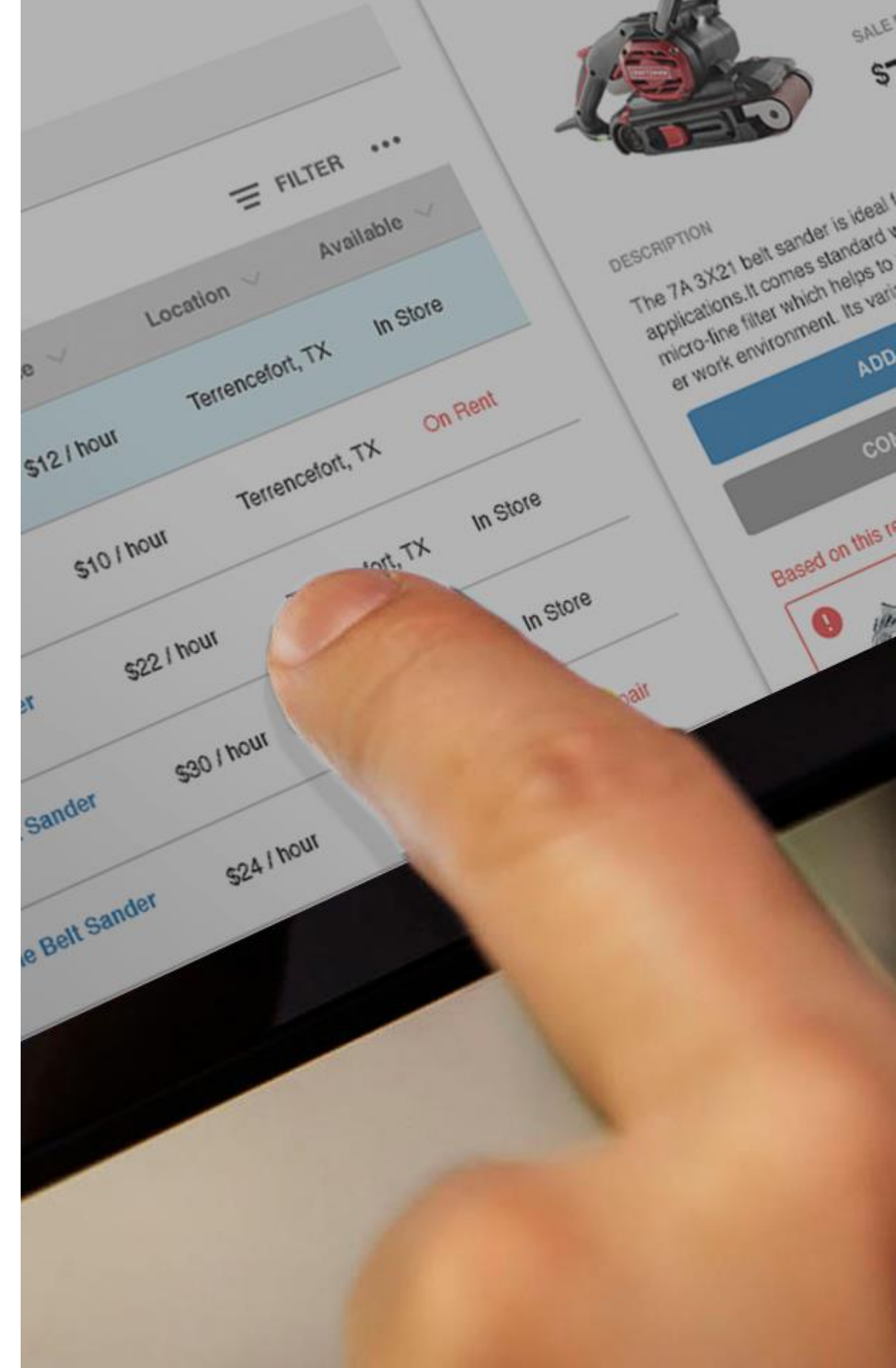


## Industry Features Delivered

\*\* Developments of Industry Features

**1565** (1483)

- \* Since the first launch of M3 Cloud Edition
- In green, numbers from last month's NewsCast



# Proof of Concept – product advisor by ChatGPT

## Products Advisor:

product information from ChatGPT:

- Product specifications
- Competitive products
- Compare Products
- Advantages over

## Applicable Industries:

- Distribution (primary)
- Food & Beverage (secondary)
- Fashion (less applicable)

## Applicable Roles:

- Sales & Customer Service

## Value:

Instant access to product information for customer service when speaking to customers. Don't need to look up product information, or rely on years of experience

## Incontext Data: (Item Master MITMAS)

External Item # (ITNE)

Manufacturer (PROD – name from CIDVEN)

## Where:

Item Toolbox (MMS200) & Order Lines (OIS101)  
(SalesHub tbd)

The screenshot shows the 'Item. Open Toolbox' interface in CloudSuite. At the top, there are navigation tabs: RO/DO, Cores, Order Entry, Assortment, Catalog Items, Inventory, and CTP Sim. Below these are filters for Facility (B10) and Warehouse (280). A table lists various items with columns for Item #, Name, Item Type, Item Sts, M/B, and Supplier. The 'Product Advisor by ChatGPT' widget is visible in the right sidebar, showing a search prompt and a 'Submit' button.

Item #	Name	Item Type	Item Sts	M/B	Supplier
EK-2					
EK-20201-LA-0	Underscore Rectangle Freestanding Bathtub Kohler K-20201-LA	Parts	█	BUY	USKOHLER
EK-22972-BL	Cure Pull-down kitchen sink faucet with three-function spray	Parts	█	BUY	USKOHLER
EK-22972-BR	Cure Pull-down kitchen sink faucet with three-function spray	Parts	█	BUY	USKOHLER
EK-22972-CP	Cure Pull-down kitchen sink faucet with three-function spray	Parts	█	BUY	USKOHLER
EK-29180-NA	Purist Suspend Ceiling-mount rough-in box	Parts	█	BUY	USKOHLER
EK-3143-ST	Poise Stainless steel sink rack, 17-3/16" x 13-3/16"	Parts	█	BUY	USKOHLER
EK-3158-NA	Poise Undermount Kitchen Sink K-3159	Parts	█	BUY	USKOHLER

The widget shows a 'Prompt' section with a dropdown menu. The selected option is 'Product specifications'. Below the dropdown is a search input field containing 'EK-22972-CP (Cure Pull-dow...)' and 'Submit' and 'Clear' buttons.

The widget displays the response to the 'Product specifications' prompt. The text describes the Kohler K-22972-CP faucet, highlighting its design, materials, and features like the single lever handle and aerator.

The widget displays the response to the 'Competitive products' prompt, listing several alternative faucet models: Delta Faucet 567LF-PP, Moen 7594SRS, Pfister LF042JDKK, and American Standard 6055.152.002.

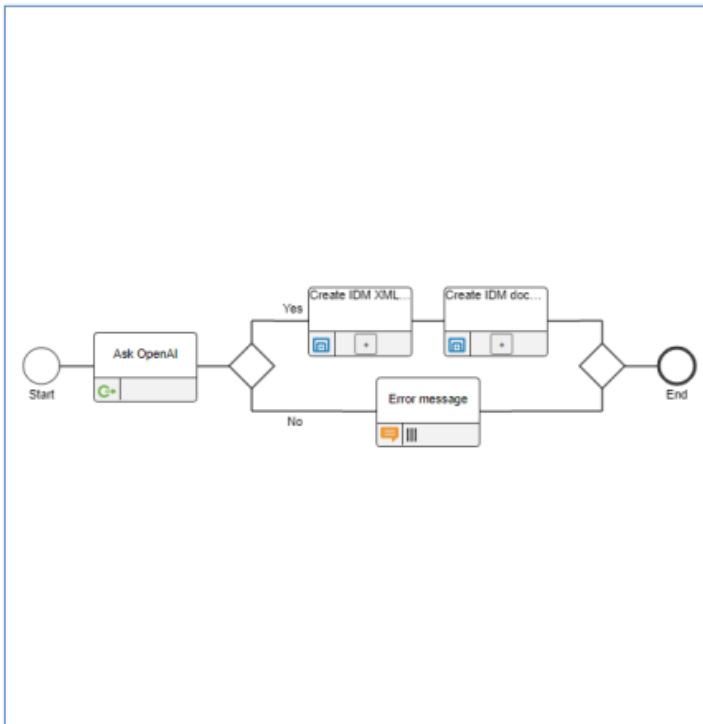
The widget displays the response to the 'Compare and advise' prompt, providing a detailed recommendation for the Moen 7594SRS faucet, highlighting its spot-resistant finish and spray wand features.



## New Customer Analysis - Requirements

### Contents

01.	Summary .....	2
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03.	Prerequisites .....	2
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08.	Setup: ION Scripts .....	8
09.	Setup: ION Workflows .....	9
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## 05. Look-and-Feel

### New Customer Analysis

02/14/23 14:51:23

is a small business that sells fishing supplies and bait. The company's balance sheet can be found below:

ASSETS  
Cash: \$10,000  
Accounts Receivable: \$5,000  
Inventory: \$25,000  
Equipment: \$15,000  
Total Assets: \$55,000

Search Document Management






+ Add Document

- Shortcuts**
- Recently Modified
  - My Documents
  - Favorites
  - Templates
  - Trash
  - Monthly Invoices

Recently Modified 88

Select all | 129 matching documents | Sort Results | Save Search

1 Selected | Display | Check Out | Download | Save as new document | Print | Add to favorites | Copy | Delete | Archive | Send in email

<input type="checkbox"/>		<p><b>PepsiCo</b></p> <p>Document Type New Customer Analysis</p> <p>Created By M3 API 400</p>	<p>Created Date 04/25/2023, 09:31:35</p> <p>Modified Date 04/25/2023, 09:31:35</p>
<input type="checkbox"/>		<p><b>PepsiCo</b></p> <p>Document Type New Customer Analysis</p> <p>Created By M3 API 400</p>	<p>Created Date 04/25/2023, 09:31:35</p> <p>Modified Date 04/25/2023, 09:31:35</p>
<input type="checkbox"/>		<p><b>Coca Cola</b></p> <p>Document Type New Customer Analysis</p> <p>Created By M3 API 400</p>	<p>Created Date 04/25/2023, 09:27:45</p> <p>Modified Date 04/25/2023, 09:27:45</p>
<input type="checkbox"/>		<p><b>Coca Cola</b></p> <p>Document Type New Customer Analysis</p> <p>Created By M3 API 400</p>	<p>Created Date 04/25/2023, 09:27:43</p> <p>Modified Date 04/25/2023, 09:27:43</p>
<input type="checkbox"/>		<p><b>Pepsi Co</b></p> <p>Document Type</p>	<p>Created Date</p>

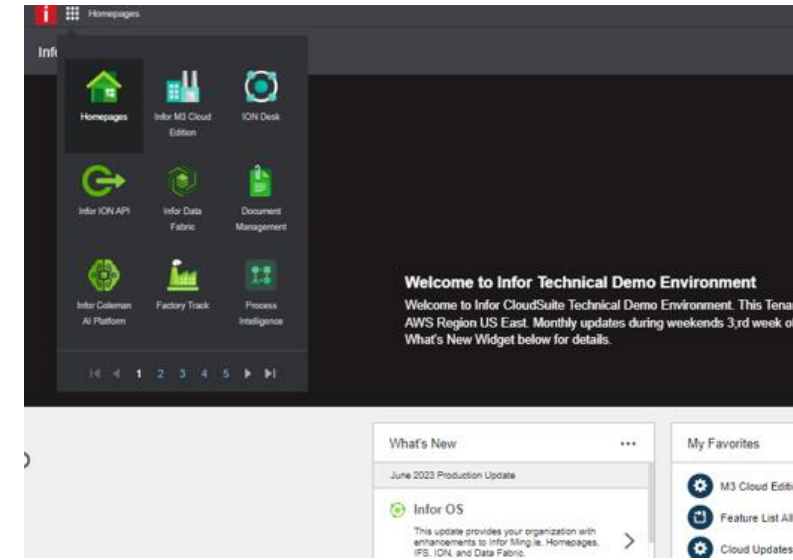
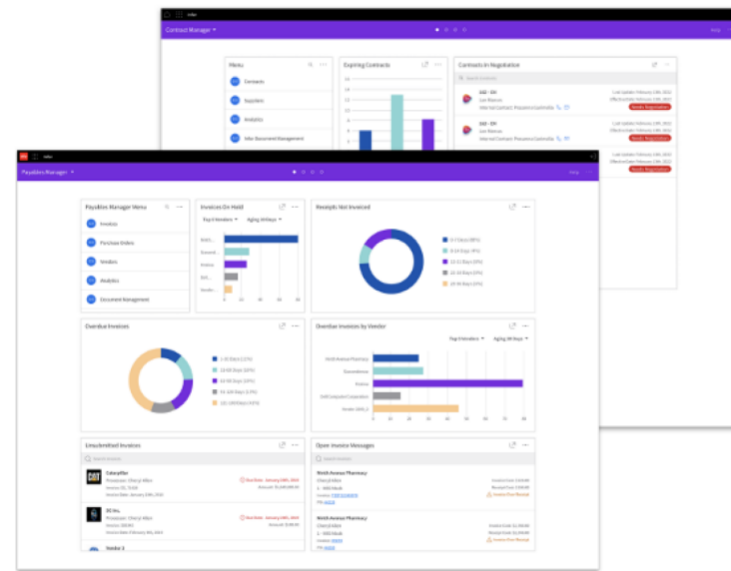
# Welcome to a better way to work

Who doesn't want to be more productive at work?

The new user Portal is designed to make work more fluid and accurate. Built on decades of industry knowledge and insights, the UX enhancements in the April 2023 release include:

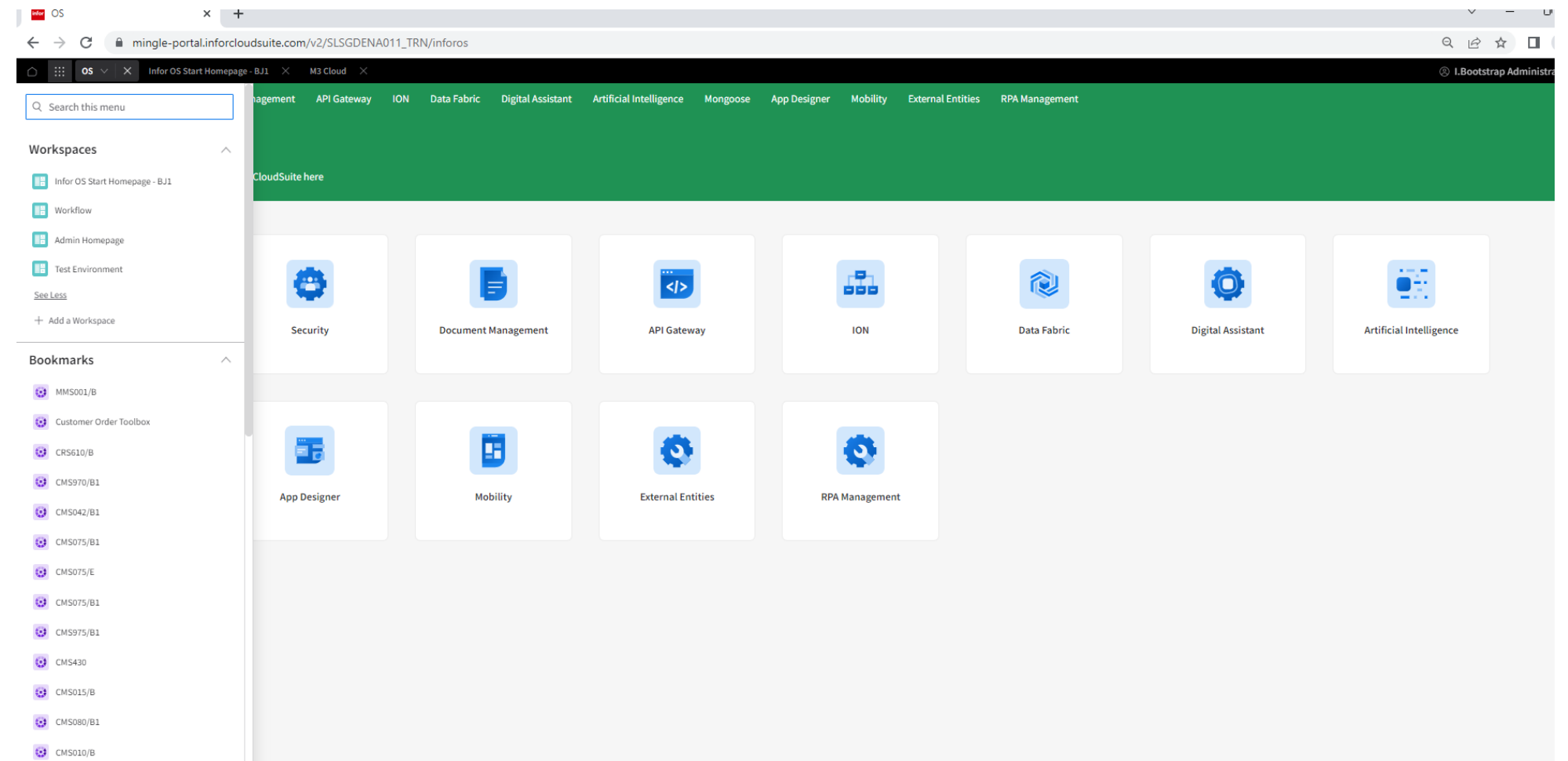
- simplified navigation
- streamlined workflows
- relevant data and content

That's how we're delivering user productivity and user satisfaction. Supportive, collaborative, and always ready to help—we want to be every user's work BFF.



Trial Mode provides customers with the ability to simultaneously run Infor Ming.le portal and Infor OS Portal within the same tenant. In this way, customers can try the new UX before making the full transition. Trial Mode will be enabled on all tenants - not just TST - but tenant administrators have the ability to determine which users have Trial Mode access for each of their tenants. Therefore, even though we will activate Trial Mode on PRD tenants, a customer doesn't have to enable it for users.

Latest info about the Infor OS Portal Migration on this KB 2277419  
[https://support.infor.com/erp/ug/EN/AnswerLinkDocId/Self/Solutions/SelfViewSolution.aspx?FromEmail=True&kb\\_accessed\\_from=NotificationMail&SolutionID=2277419](https://support.infor.com/erp/ug/EN/AnswerLinkDocId/Self/Solutions/SelfViewSolution.aspx?FromEmail=True&kb_accessed_from=NotificationMail&SolutionID=2277419)





# The Manilla Cloud Factory Team



- Architecture
- UX Tools
- Data Migration
- Performance
- Testing
- ADO – Project Management Tool
- Reports / BI
- XtendM3
- Documents

M3 Cloud Upgrade Tool Team

# Introduction

Cloud Upgrade process encounters all kind of (technical) challenges during its Engage and Project lifecycle. The Cloud Upgrade Team is focused on eliminating these challenges by providing Best-Practices and supporting tools.

M3 focused;



# Technical Cloud Readiness Assessment

- Identifying (technical) challenges in current system
  - Initial complexity indication
  - Advise on migration activities
  
- Input for next steps
  - Customer specific workshops
  - Possible solution directions for extensions
  - Reference Architecture
  - Service Workorder
  
- 80+ scan on M3



**Technical cloud readiness executive dashboard for M3**

Modifications			
Programs modified (lines)			
<b>30 (5982)</b>			
M3 programs	Additional programs	API programs	Document programs
17 (2967)	6 (772)	1 (24)	6 (1219)

Documents		
Business documents (variants)	M3 standard reports	Custom
27 (67)	66 (126)	1
Stream/X ML	Input modified	Stream/X ML
27/0	5	66/0
		0
		1

Integrations			
Total Integrations (partners/mappings)			
<b>31 (119)</b>			
Bank & Legal	EDI	Custom Internal	Custom External
2 (2)	11 (13)	0 (0)	18 (104)

Database			
Size (TB)	Years of history	Archive status	Custom data (GB)
0,8	7	Yes	0.115

Usability		
Mashup	Smart Office SDK	Smart office Scripts
7	0	31

Reports & analytics		
DWH report tables	DWH source tables	Operational reports (non-m3)
NA	NA	SQL

Infor OS		
IDM Archive	ION Data flows	IFS
NA	NA	NA

Additional infor applications	Migration complexity
0	M

# Cloud upgrade tooling

## System analysis

- Technical Cloud Readiness Scan

## Post Data migration (also tenant to tenant)

- Sorting options (CRS021)
- Sortings and views (CRS020/022)
- Information Browse Categories (CMS010)
- Custom API (CMS015)
- Adhoc Reports (AHS100/110)
- Document XML Configuration (CMS006/7/8/9)
- MDBREADMI
  
- Scheduled Jobs (SHS010) \* no migration tool, but conversion support
  
- User and Security Migration (IFS)

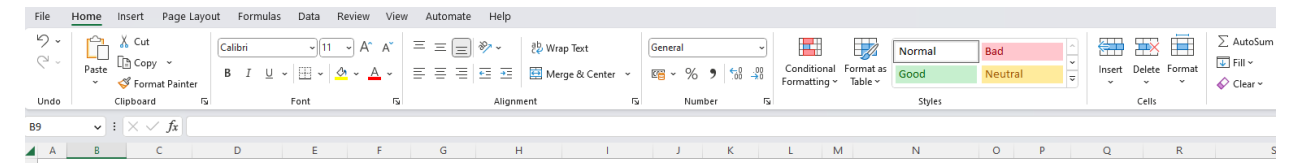
## Extension conversion

- IDM Document Generator
  - Streamserve PageOut
  - Any document
- MEC Integrations

## Datasize reduction best-practice

- Data Hygiene
- Data archiving (Roadmap)

# Time 2 Value – Copy templates



**infor DSO Calculation Update List**  
RMS400  
ZZ10

DSO cod	No. payer	Outstanding ar	Total sale	DSO value
0	99	2949136,02	0	0
1	2	75632,87	6430	1082,15
2	1	28095,63	100	25847,98
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0

**Customer Group, Average DSO**

**DSO - Principle**

	Sales	Sales	Sales
DSO	1	2	5
DSO	3	4	6

**There are six DSO codes:**  
 1 = Both the customer's credit time and sales have increased at the same time. Comment: This is normal and no action is required.  
 2 = The customer's credit time has increased but the sales have decreased. Comment: The customer might have financial difficulties. Action must be taken.  
 3 = The customer's credit time has decreased but the sales have increased. Comment: This is not a normal development but is in fact a positive sign. No action is required.  
 4 = Both the customer's credit time and sales have decreased. Comment: This is normal and no action is required.  
 5 = The customer's credit time is increased but the sales are unchanged. Comment: The customer might have financial difficulties. Action must be taken.  
 6 = The customer's credit time has decreased but the sales are unchanged. Comment: This is positive and no action is required.

Payer	Customer	Name	Cgr	Outstand	Total sale	Avg sales valu	Average DSO vi	Chg sls	Chg DSC	DSO value	Cd	Payer	Customer
30000002	30000002	John Smith	ZZZ	524,4	0	0	0	0	0	0	0	0	0030000002_0030000002
30000003	30000003	Zagzoog	ZZZ	2715,89	0	0	0	0	0	0	0	0	0030000003_0030000003
30000004	30000004	Dave Jones	ZZZ	114,29	0	0	0	0	0	0	0	0	0030000004_0030000004
11337	11337	Coca Cola	ZZZ	70765,07	5000	1666,67	434,03	199,999	199,998	1302,08	1	11337	_11337
11337-2	11337-2	Erkovic Creative li	ZZZ	-1183,88	0	0	0	0	0	0	0	0	11337-2_11337-2
11337-2	11337-2	Erkovic Creative li	ZZZ	4867,8	1430	476,67	104,39	111,887	200	313,17	1	11337-2	_11337-2
26-0001	26-0001	Abbott Limited	Y01	203,47	0	0	0	0	0	0	0	0	0_26-0001_26-0001
26-0100	26-0100	Womack's - Salfor	Y01	65,55	0	0	0	0	0	0	0	0	0_26-0100_26-0101
26-0100	26-0100	Womack's - Solih	Y01	106,92	0	0	0	0	0	0	0	0	0_26-0100_26-0102
26-BR-001	26-BR-001	Customer for War	Y02	1050	0	0	0	0	0	0	0	0	0_26-BR-001_26-BR-001
26-LH-HEAC	26-28316	Hunt - Liverpool F	Y02	5,09	0	0	0	0	0	0	0	0	0_26-LH-HEAD_26-28316
26-LH-HEAC	26-28319	Hunt - Penrith	Y02	11,8	0	0	0	0	0	0	0	0	0_26-LH-HEAD_26-28319
26-LH-HEAC	26-28322	Hunt - Freshfield	Y02	15,53	0	0	0	0	0	0	0	0	0_26-LH-HEAD_26-28322
321001	321001	Chatswood Distrl	Y01	56026,25	0	0	0	0	0	0	0	0	0_321001_321001
321003	321003	Artamon Dealers	Y01	14512,95	0	0	0	0	0	0	0	0	0_321003_321003
32AG1000	32AG1000	Alliance Group (N	Y01	5049,99	0	0	0	0	0	0	0	0	0_32AG1000_32AG1000
43400001	43400001	Hemisphere Thou	Y05	7511	0	0	0	0	0	0	0	0	0_43400001_43400001
43400012	43400012	Tyrell Genetics in	Y01	1586,66	0	0	0	0	0	0	0	0	0_43400012_43400012
43400014	43400014	Dharma Pharmaci	Y01	64,61	0	0	0	0	0	0	0	0	0_43400014_43400014
43400016	43400016	Client France - Te	Y05	-3196,96	0	0	0	0	0	0	0	0	0_43400016_43400016
43400020	43400020	PM Carrosserie de	A01	534,49	0	0	0	0	0	0	0	0	0_43400020_43400020

**Document Management**

Search Document Management

Search Results: ARS501PF\_0.xlsx

ARS501PF\_0.xlsx (3.87 MB)

**infor M3 Cloud Edition**  
Experience Designer  
Finance Credit Control

Customer master Release cust

Search: 75

Sort by: Select Field

**Precision Builders, Inc.**  
PRECISION

Customer group: Y03  
Payer: -  
Org no 1: -  
Telephone no 1: 1-800-1888-5140

Status: 20  
Salesperson: DISADMIN  
Responsible: PERJOB0  
VAT reg no: -

**Financial Information** | Invoices | Open Orders | Stopped Orders | Contact Information

**Credit Limit vs. Spent**

**Update Limits**

**Payment Details**

**Past due invoi...**

Credit limit 1: 999999999,00

Overdue inv amt: 55831,36

Difference CL 1: 999944167,64

**Outstanding I...**

Credit limit 2: 0,00

Outstan inv amt: 58313,65

Outstd w/o risk: 0,00

Difference CL 2: -58313,65

**Outs. invoice ...**

Credit limit 3: 0,00

Ord val not inv: 2003,11

Outstd w/o risk: 0,00

O/V w/out risk: 0,00

Difference CL 3: -2003,11

**Days past due**

Credit limit 4: 0

No of overdue: 322

**DebtorsDash...**

**Days Sales Outstanding**

Account period	DSO value	DSO code	Analysis	Credit time	Sales
202303	0.00	0			
202302	0.00	0			
202301	0.00	0			

**DSO trend**

- Home
- Search Assets**
- Contribute Asset
- My Items
- Analytics
- Guidelines
- FAQs
- NEWS
- Calendar
- Presentation / Video



Welcome, Bjorn Torold!

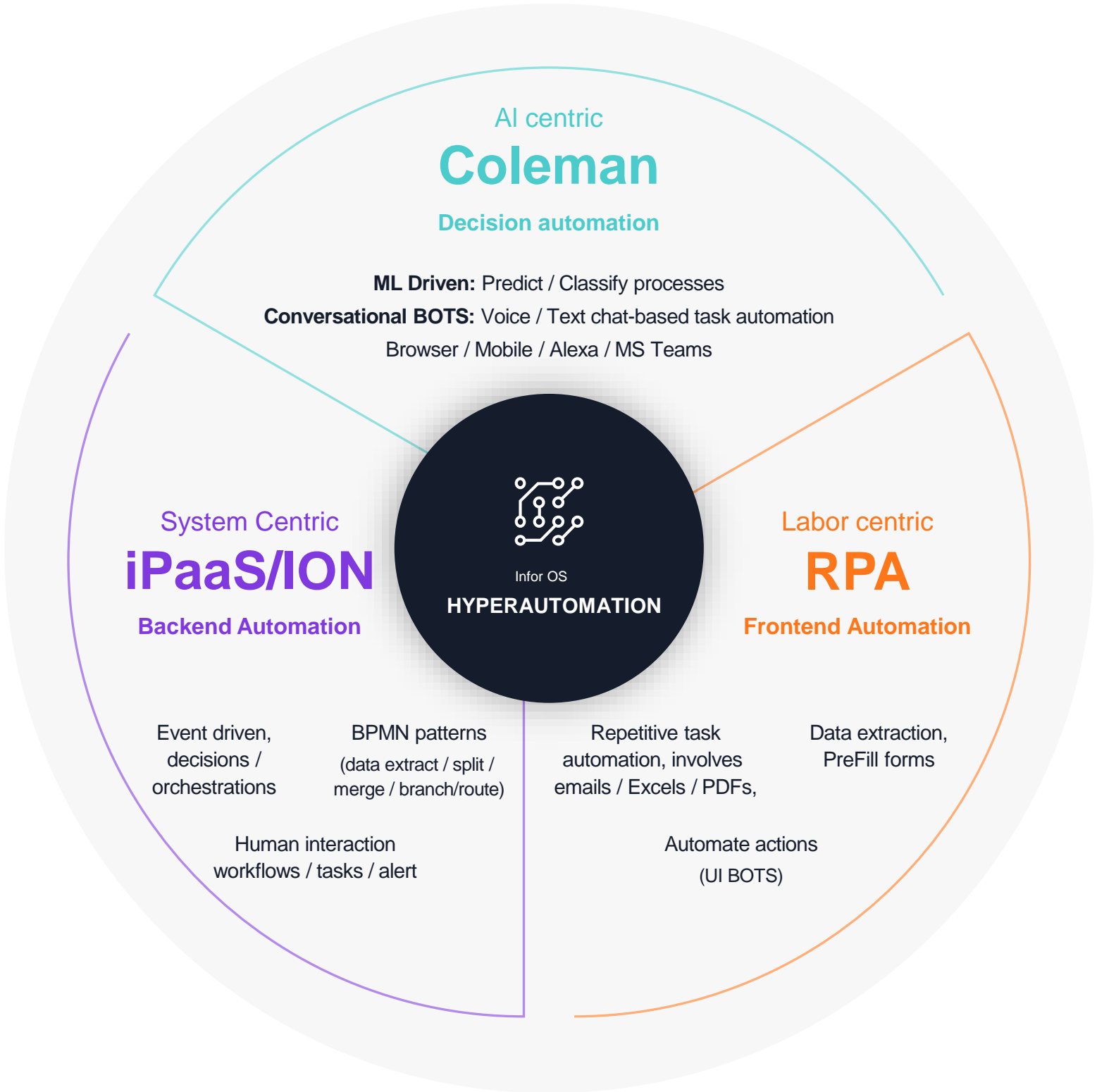
Select Industry-Vertical	ERP M3	Select Other Product
Add Key Words	Add Functional Domain	Select Component classification
Search documents		
<a href="#">Clear all</a>	<a href="#">Search</a>	

Total search results:50

Name of the compon...	ID ↑	Feedback	Component c...	Code r...	Short Desc	Pro...	Rele...	Mo...	Functional Do...	Business Do...	Effort(Hours)	Inc
M3-BarTender Integration ...	263		Code		Segaull BarTender	ERP M3	14.x			Warehousing		Dis
CINACC correction	258		Functional		Correct accountin	ERP M3	16	CAC	Finance	Financial Plan to f	75	Pre
Update standard cost	257		Functional		Update standard	ERP M3	16	CAC	Finance	Financial Plan to f	38	Pre
Bank reconciliation BAI file	256		Integration		bank rec using BA	ERP M3	16	ABS	Finance	Financial Plan to f		Pre
H5 script - F4 browsable c...	250		Technical		Custom F4- brow:	ERP M3	CE 16.0	All	All	All	40	NA
Grading/ Sorting Process ...	238		Functional		Grading/ Sorting	ERP M3	13.4, F8	Product	Manufacturing	Production to Inv	8	Pre
IPS OIS437	237		Technical		IPS OIS437 Trade	ERP M3	CE 16.0	Sales	Sales	Sales		Pre
Metapack Integration	236		Code		Sending to and Pi	ERP M3	MT	Supply				Pre
Material Handling Equipm...	235		Functional		Material Handling	ERP M3	13.4, F8	Product	Manufacturing	Production to Inv	8	Pre
APS130 - Payment Propos...	227		Integration		Custom IPS API tc	ERP M3	CE 16.0	Financia	Financial Plan to f	Financial Plan to f	24	NA
SQL query to migrate conf...	225		Migration		Sql query to migr	ERP M3	11.0.38	M3	All	All	8	Ot

# Infor Hyper Automation

*Infor continues to expand automation capabilities that work together through a common low code Infor OS platform that is pre-wired with Infor CloudSuites for rapid time to value.*

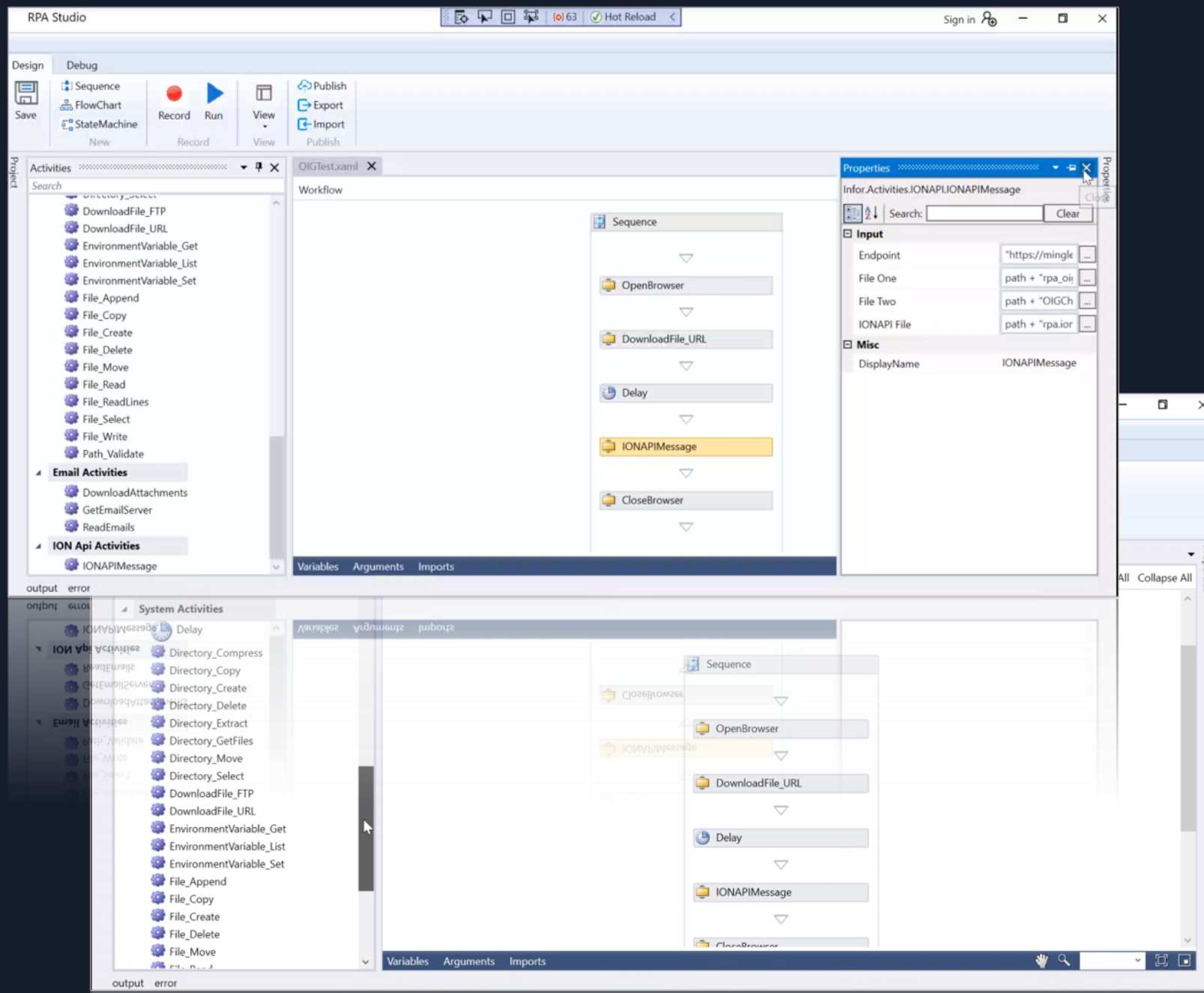


## Infor RPA & IDP

*Give customers the ability to accelerate digital transformation and foster a creative culture of continuously automating processes without having a ton of prerequisites or costs to get started with a single idea.*

RPA

# STUDIO



RPA

# STUDIO

## RICH MODELER TO DEFINE RPA FLOWS

- Based on [Windows Workflow Foundation](#).
- Comprehensive set of [Activities](#).
- Integrates to the Cloud Tenant via Gateway
- [Sub-flows](#) that can be added via a [sequence](#).
- [Test](#) mode to run your flow.
- Comes with a separate [Installer](#) of its own; Windows only;



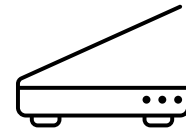
IDP

# Infor Document Processor

OCR and More..

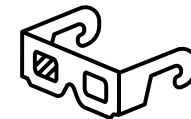
## A Complete Document Digitization Platform

Inhouse solution that provides pre and post extraction services, Extraction and analysis of text



**Text Extraction**

- Key-Value Pair extraction
- Region of interest/ Template driven



**Document Analysis**

- Processing Tables, Forms
- Pre/ Post enhancement of content
- Support for PDF and images



**AI/ ML based Extraction**

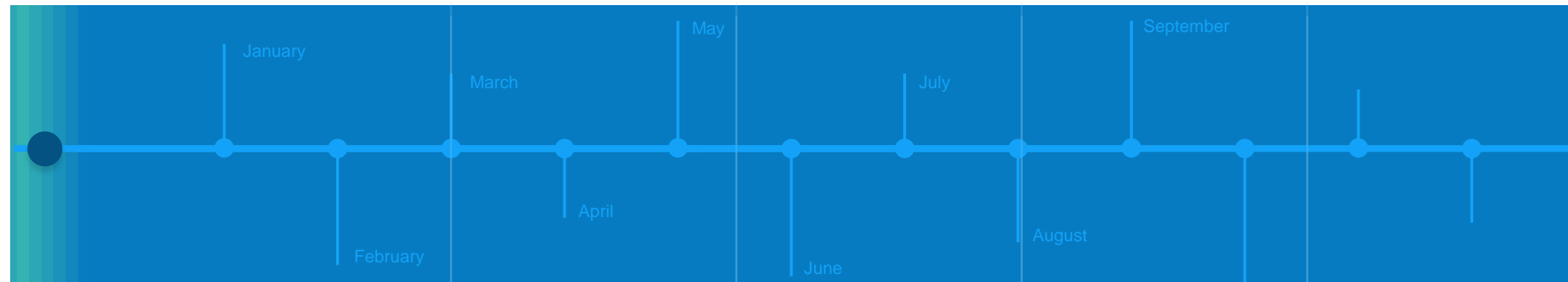
- Ability to make a ML model and train them
- Integrated with Coleman AI
- Support for Opensource algorithms

Initiatives

# Our Journey Next 9 months

## Industry

- FSM Invoice Creation
- FSM Item Master
- FSM OIG Vendor Check List
- SX.e Pick Ticket



## Experiences

- Core Components: *Studio, Mastermind, Installer, RPA Assistant, Agent, Security config manager*
- Extensive set of automation activities:
  - *Web, desktop, excel, email, user events, ION API, system*
- Browser Extension: *Recorder and Inspector*
- Life Cycle Management
- T2V Phase 1

- IDP Stand alone service
- Usage Metrics
- GDPR adoption
- Time2Value Phase 2
- Desk App automation activities
- Audit Logs in RPA Studio
- Reporting in MasterMind
- Process details in MasterMind

## Innovation

- OCR
  - Text, key-value, template-based extraction
- Bots in API Gateway
- OCR APIs in API Gateway

MVP – April

- Google Tesseract OCR
- SKU Provisioning Automation
- Hyperautomation
  - API flow execution from ION
- Agentless Execution
- Nested Process

October





# Extensibility in the Cloud

## “Traditional Customisation”

Old customized logic



Core customized

New logic by Infor



Core changed

Manual merge



Core customized

**Manual merge!**

## Extensibility

CS logic



Core as-is



Extension logic

New logic by Infor



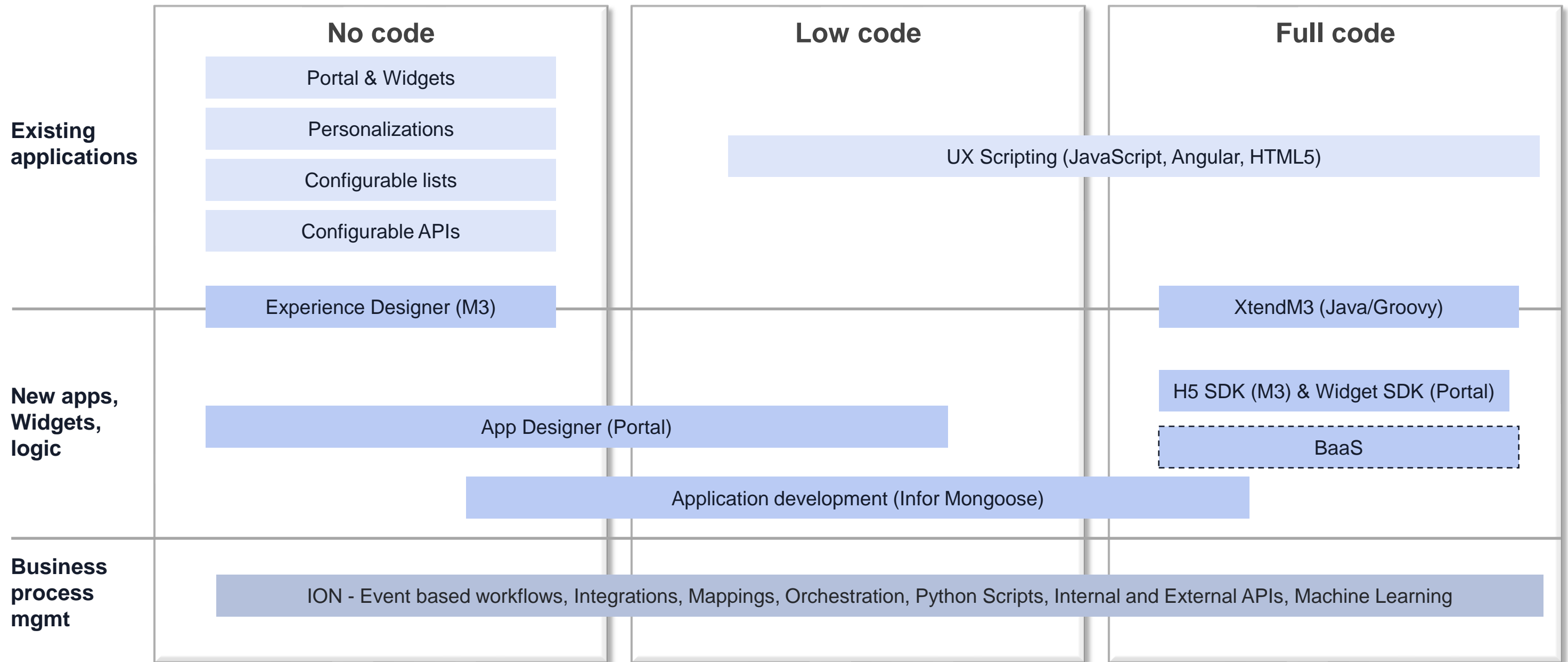
Core as-is



Extension logic

**Extension uplift by Infor**

# CloudSuite Extensibility Tools



Description:

## M3 CE Output Management - Master KB Article

For more information on Configurable Output Management for M3 15.1.4 please go to this link: [15.1.4 - KB 191224: Configurable Output Management - All Patches](#).

M3 CE Core Output Management is delivering new documents and reports through M3 CE. [Use the KB's 'Sign-up feature' to get the latest updates through mail notifications.](#)

**Key messaging for M3 Customers and projects using M3 Output Management capabilities, KB 2219053.**

### WHAT'S NEW?

Important updates and information regarding M3 Output Management are published continuously here.

Note: Check CMS975 – To see new feature that has been released with feature toggles.

Date	Information	KB or Link
2023-02-15	OpenText Exstream version 22.3 (16.6.6) is now available to download from Infor Product Download center	<a href="#">OpenText Exstream 22.3 from Infor Product Download Center</a>
2022-12-22	M3: 2022 Output Management Catch Up Session (02_9112022_EEN0521_M3O) has been published in Infor Campus.	<a href="#">US Course Deep Link</a> <a href="#">Non-US Course Deep Link</a> <a href="#">SSO Deep Link</a>
2022-11-15	Printout for best performance using an output application OnPrem	<a href="#">KB 2275422</a>
2022-10-30	Creation of TLV QR Code string using virtual fields in Configurable XML in M3. A country specific requirement for Saudi Arabia.	<a href="#">KB 2272145</a>
2022-08-30	Clarification KB - Locale functionality in M3 Output Management.	<a href="#">KB 2265440</a>
2022-06-08	How to use the Xtend M3 Generic Extension Point for Printouts scripts.	<a href="#">KB 2253585</a>
2022-03-18	Added instruction for how to create TLV QR Codes in Exstream, a country-specific requirement for Saudi Arabia.	<a href="#">KB 2242384</a>
2021-11-01	From November 1, 2021, all enhancement requests for XML conversion should be handled by each specific product and module. Please see instructions below.	
2021-03-30	Updating ICP jar file used in Exstream for communicating with IDM	<a href="#">KB 2189373</a>
2020-12-17	Added documentation - QR Code creation and configuration for M3 Output Management	<a href="#">KB 2172186</a>
2020-08-24	IDM Enterprise Print available, documentation available in <a href="#">Infor Operating Service Documentation List</a>	<a href="#">Infor Operating Service Documentation List</a> Browse to: -Infor Document Management Administration Guide
2020-06-22	IDM Content Package is now available and Downloadable via CFT (Cloud File Transfer)	<a href="#">KB 2123349</a>
2019-11-07	Interactive Briefing Infor offered an interactive briefing on the topic "How to configure Infor M3 Cloud Edition to best use IDM Output Management, including an overview of the solution" on November 7, 2019. A recording is available on KB 2097908.	<a href="#">KB 2097908</a>

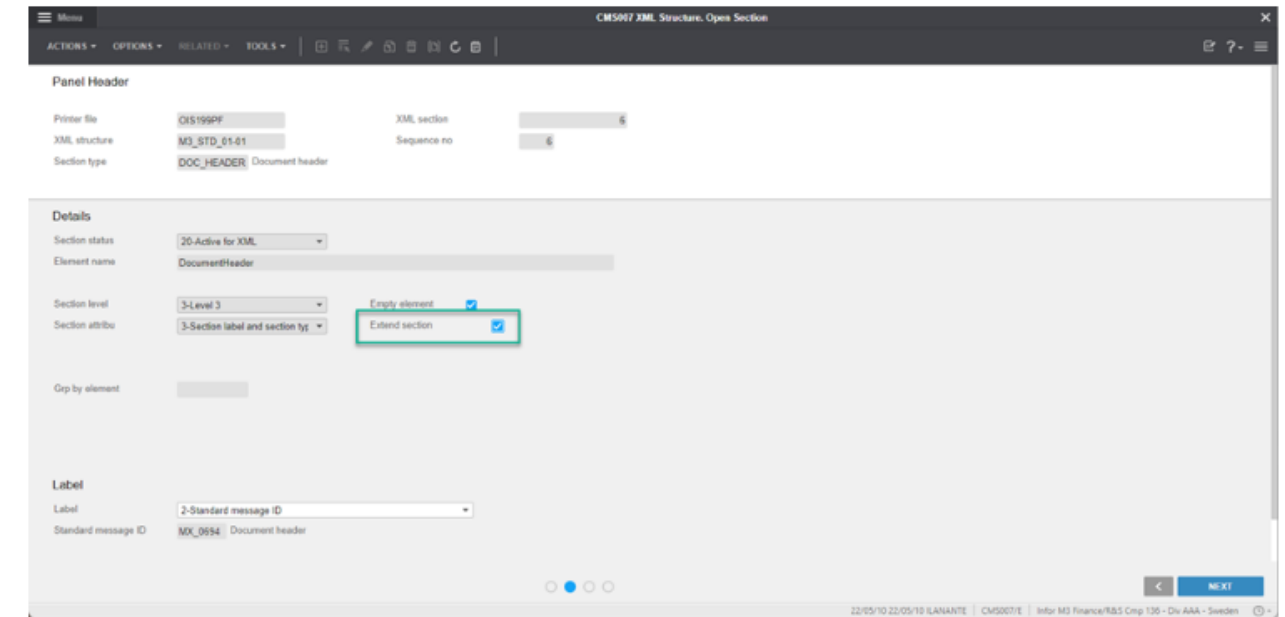
### Description:

How to use the XtendM3 Generic Extension Point for Printouts script

### Resolution:

#### Extend a section

To extend a section, the "Extend section" checkbox in CMS007/E should be selected:

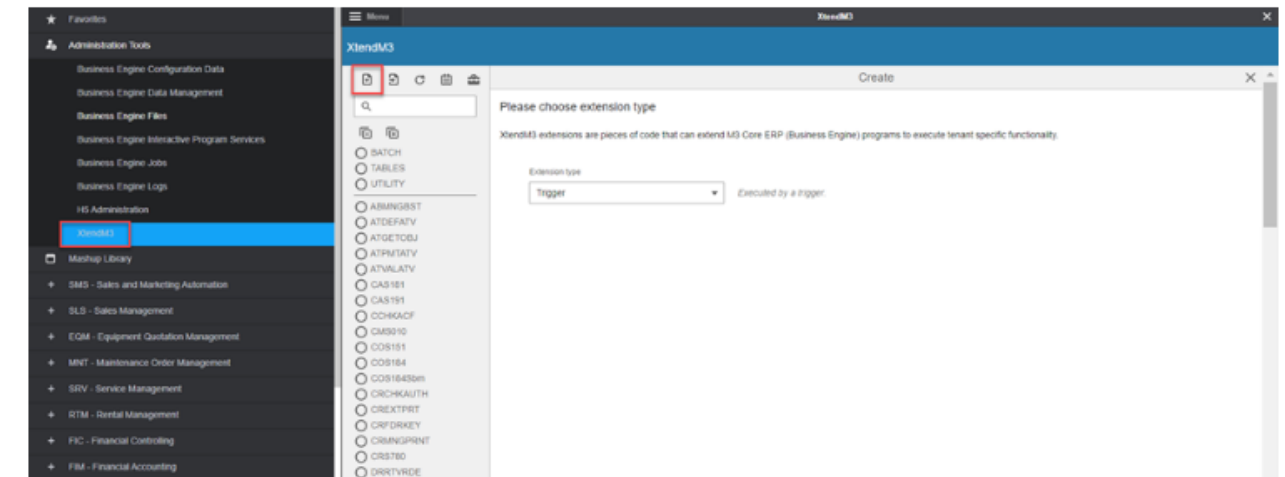


When "Extend section" is active, parameters are passed on to a batch program and made available in the XtendM3 script.

For more information about this development, you may refer to [KB Article: 2239630: Prepare Program for Business Engine Extensions: Generic extension point for printouts](#).

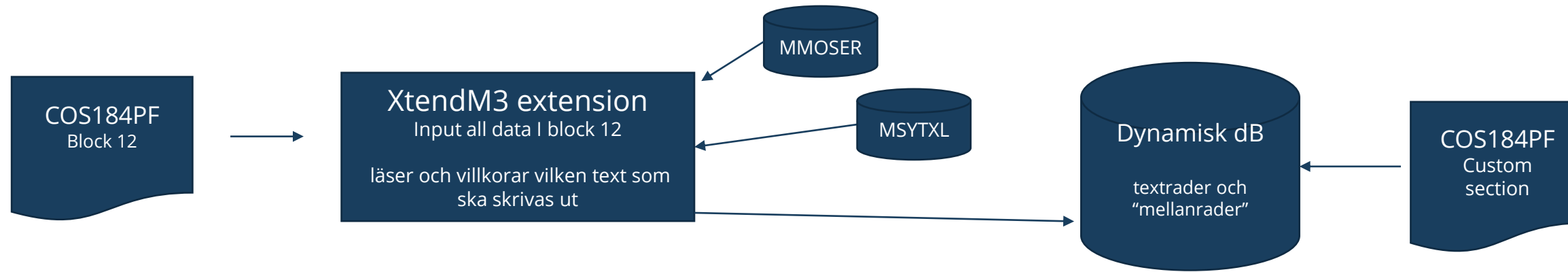
#### Create an XtendM3 extension

1. Select Administration Tools > XtendM3 and create new extension:

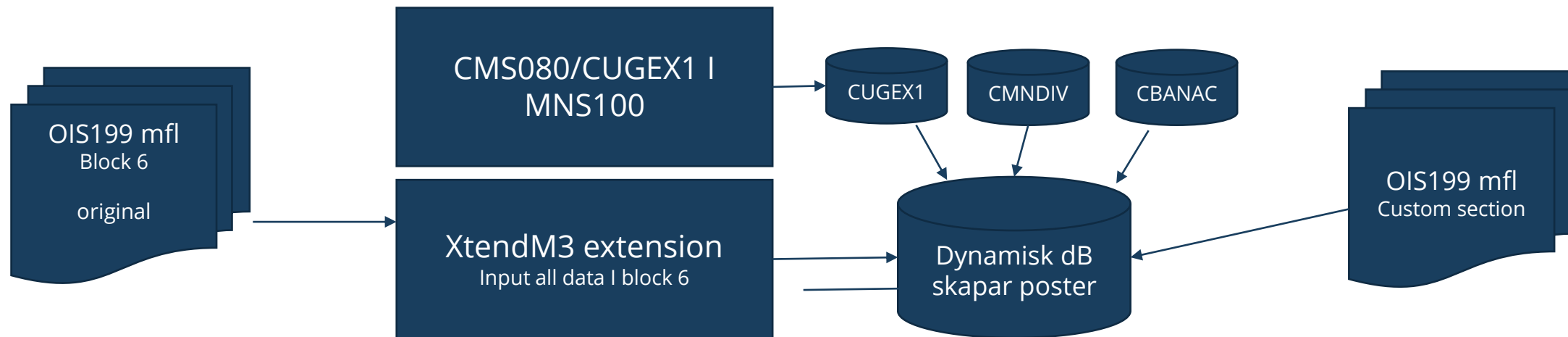


# Idéer på lösningar

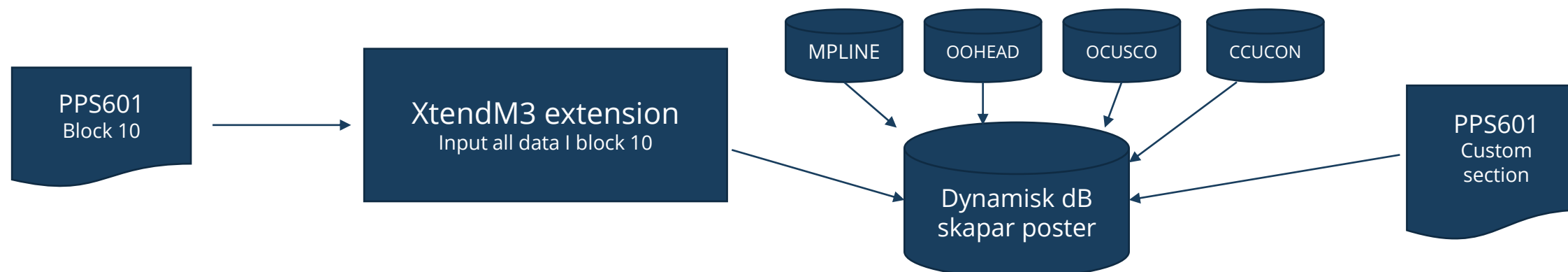
## Skriva ut texter på faktura



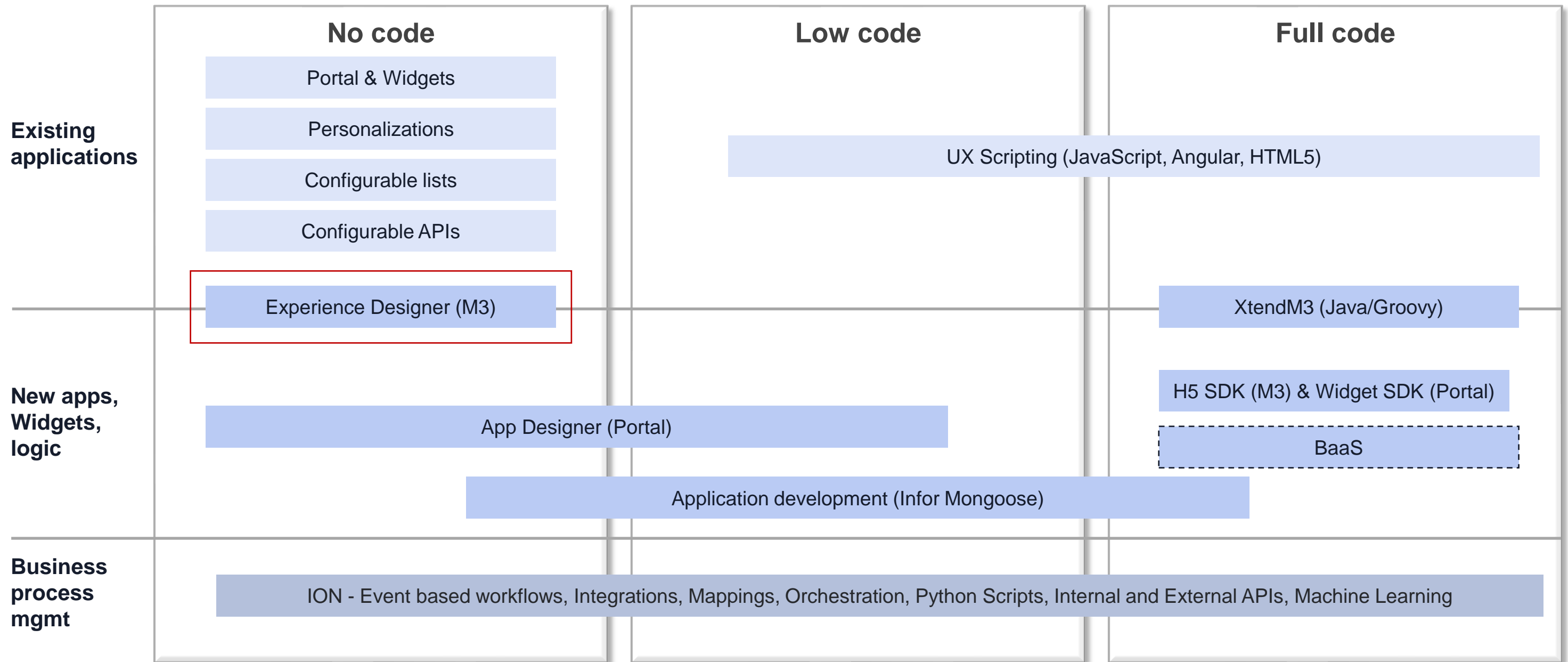
## Skapa sidfot på dokument



## Hämta ut telefonnummer och mailadress vid direkt leverans



# CloudSuite Extensibility Tools







# Backend as a Service

**BaaS is a customer managed extension tool, where customers will be building tenant specific API extensions.**



**FaaS exposed as BaaS – i.e., Event driven Functions as APIs**



**Cloud Native – Serverless, scalable Architecture**



**Developer's tool/ Provides APIs and SDKs for your solution**



**Cloud Agnostic – Build your API once; Run in AWS/ Azure/ ...**

# What you get?



**Managed Storage**



**Managed Compute capacity**



**Managed Security**

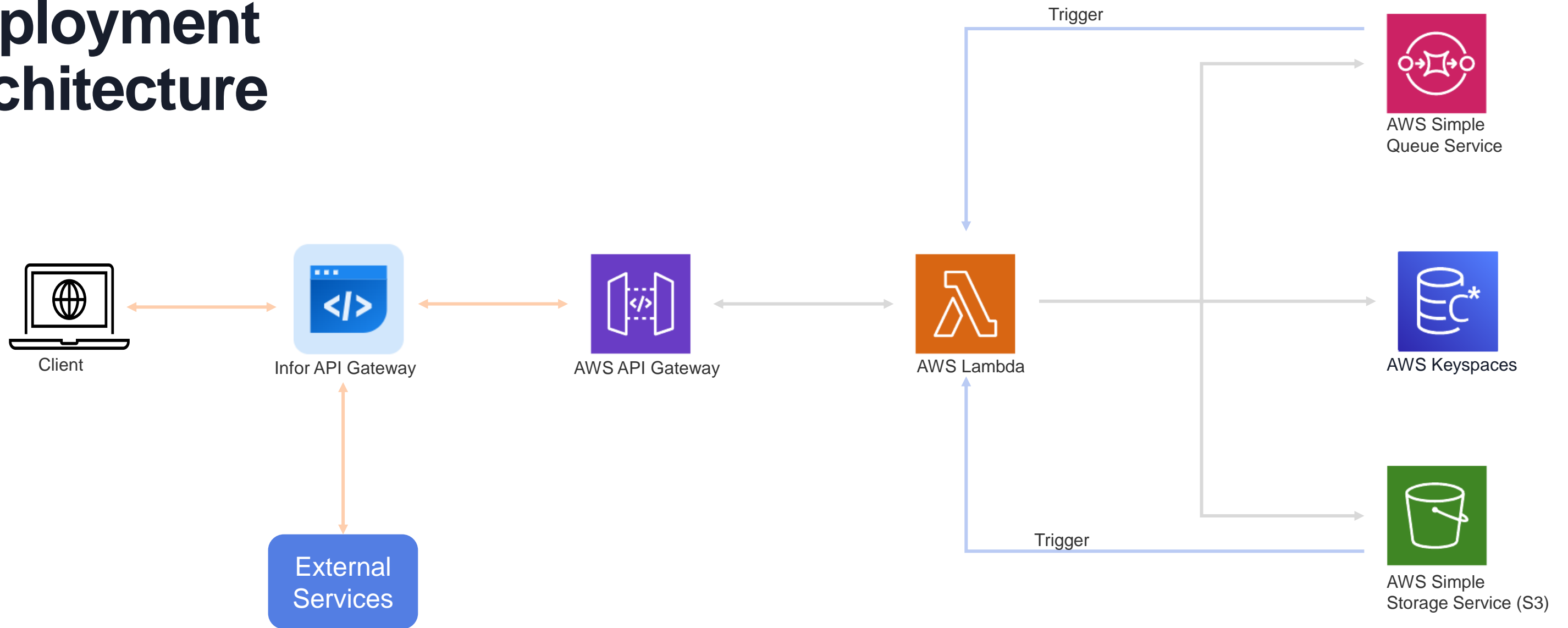


**Managed Execution (Event driven/ Schedule Driven)**

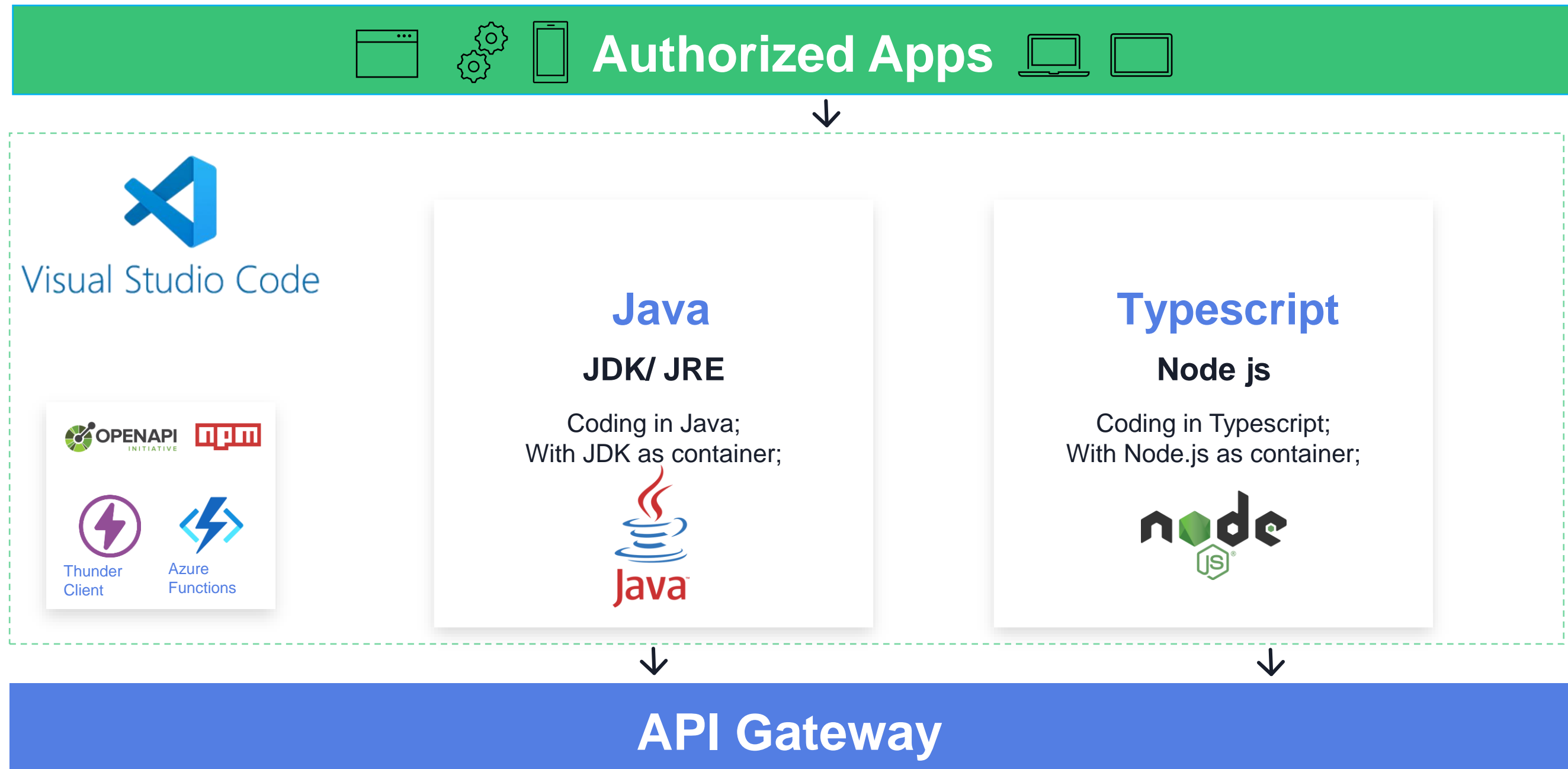
**Customers to manage development, deployment.  
Support and maintenance of deployed services stays with customer.**



# Deployment Architecture

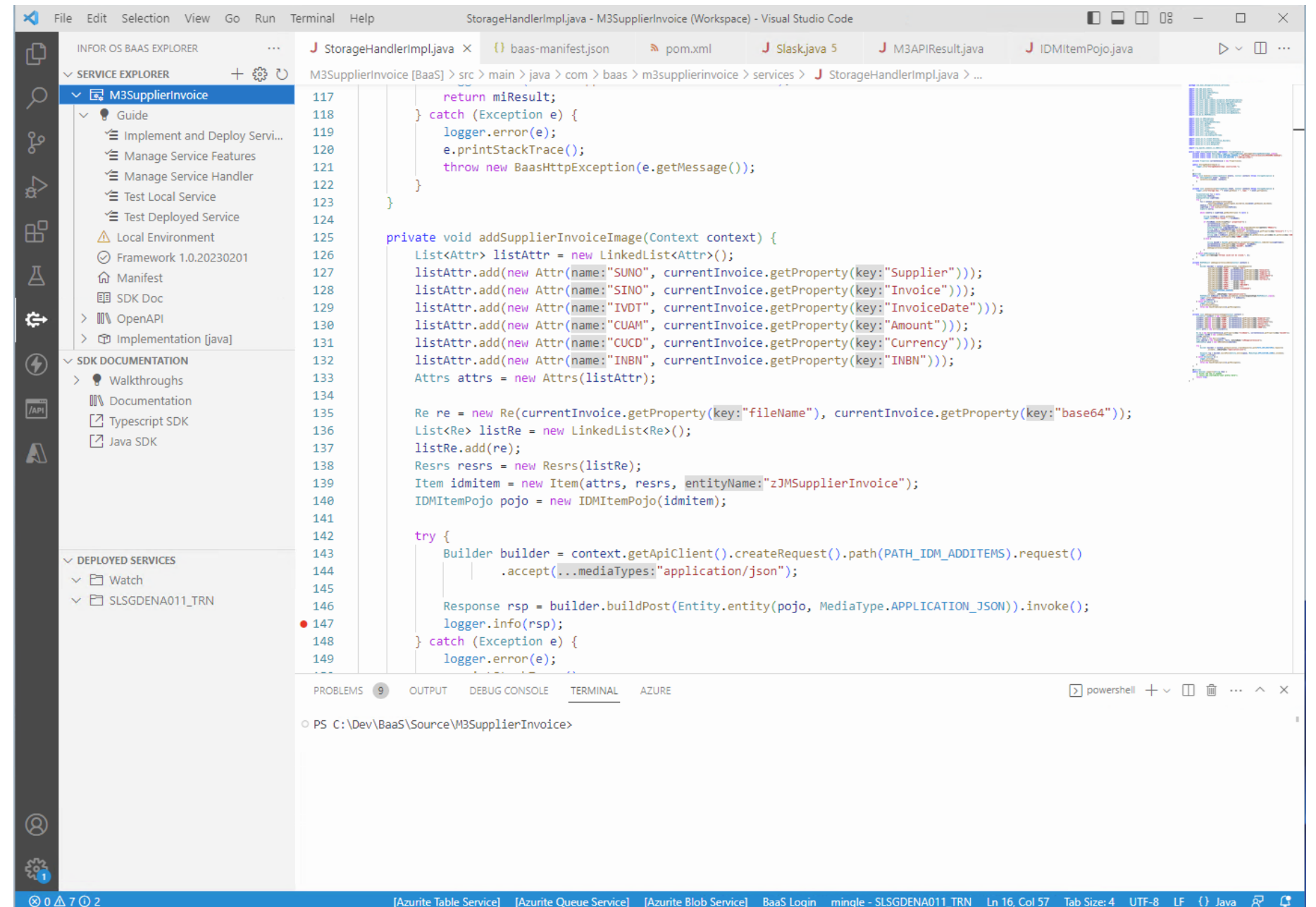


# Development Architecture



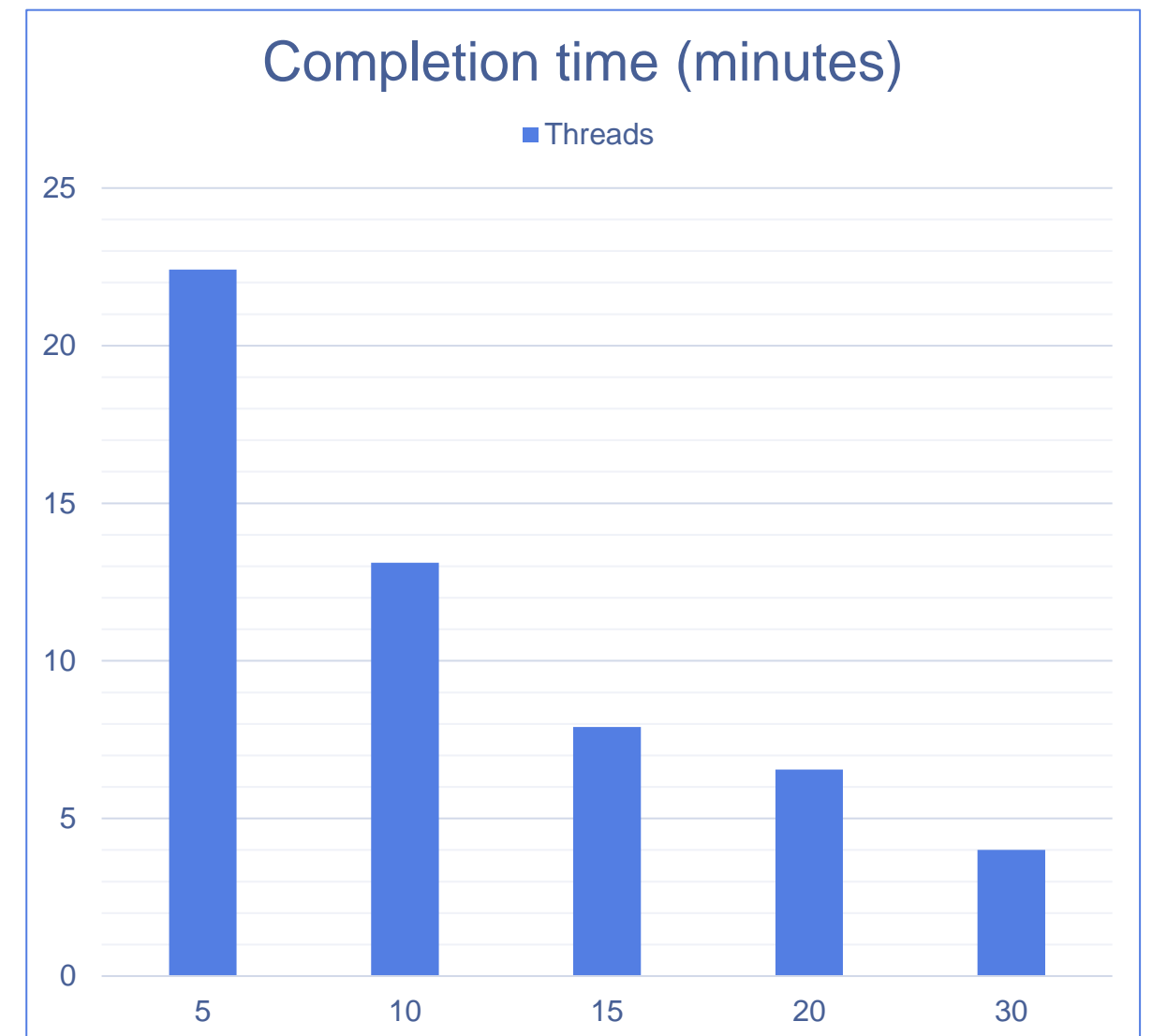
# Skill Set required

- General Programming Knowledge
- Java/ Typescript (NodeJS)
- API Domain knowledge
  - HTTP
  - REST
  - Open API (Swagger)
  - API Clients (Thunder, Postman)
  - SSL
- Source control/ CI – CD knowledge

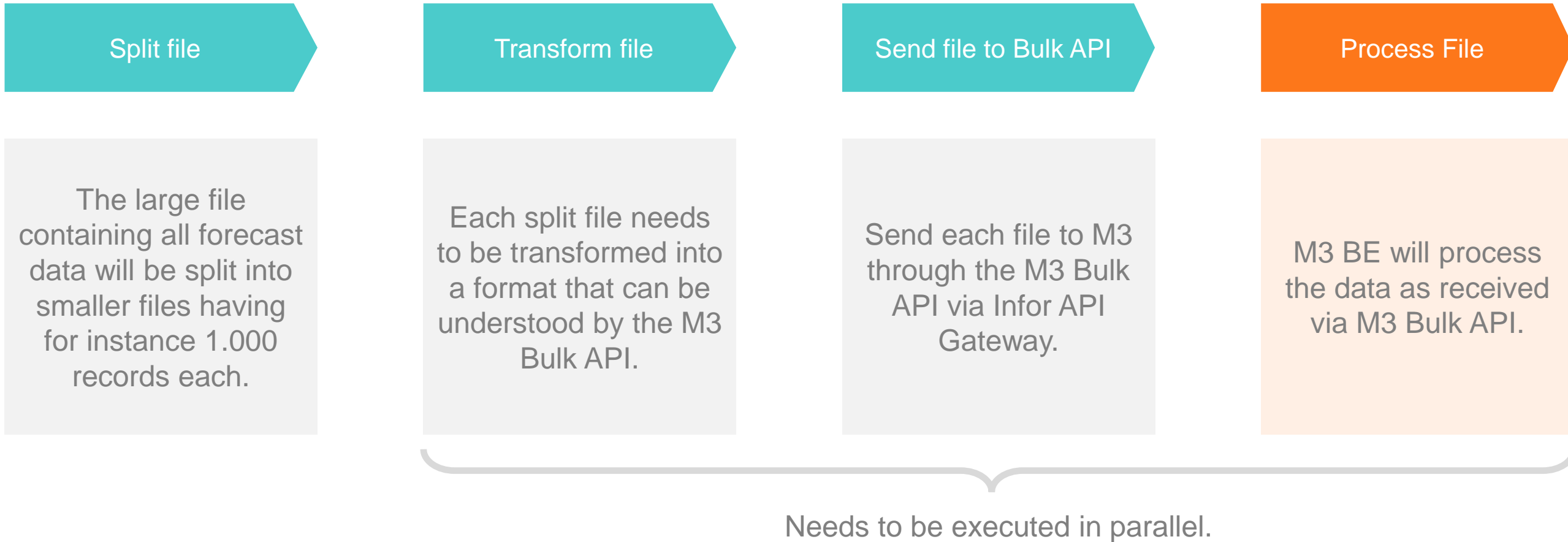


# Forecast update – Synchronous approach

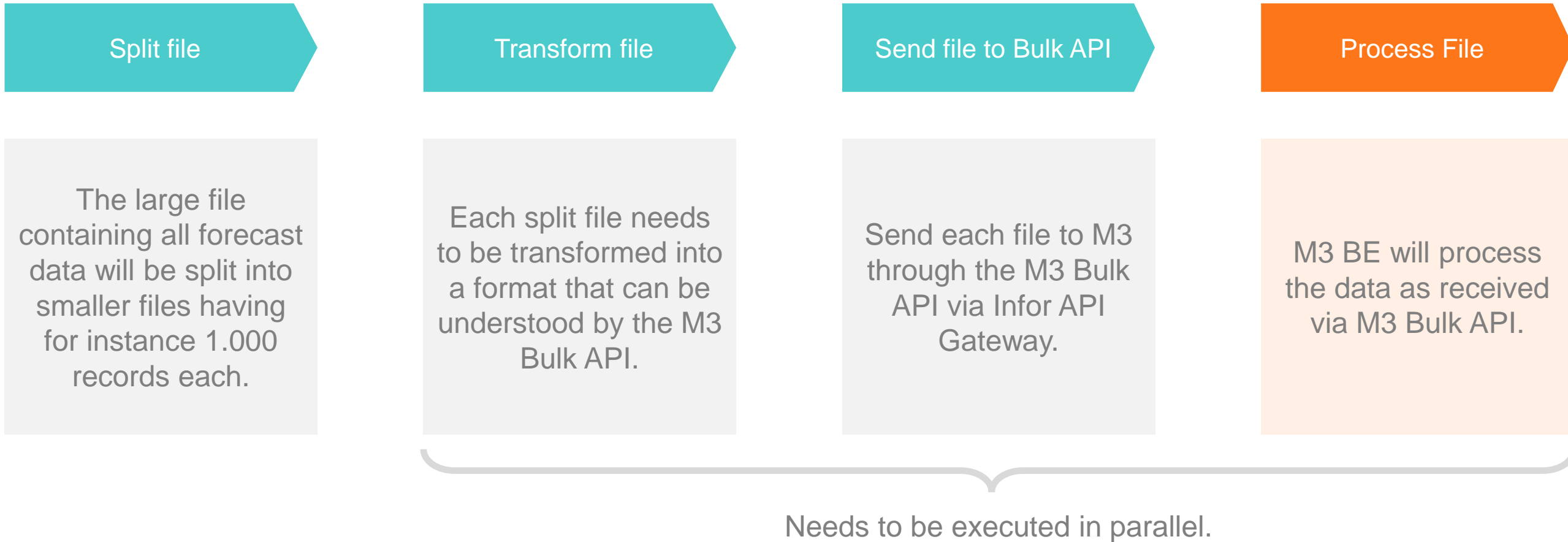
- Created one big file with around 50.000 records
- Using only one thread took almost two hours to complete
- Split big files into around 500 smaller files
  - Execute many smaller files in parallel.
- Scales very nicely!
  - Using 30 threads took us from 120 minutes to around four minutes.
- Comparing bulk execution vs. executing each update REST MI-transaction:
  - 2-3 times faster using bulk. No stress on Cloud Service Limits using bulk. 500 calls vs 50.000 calls!



# Forecast integration – Implementation on client side

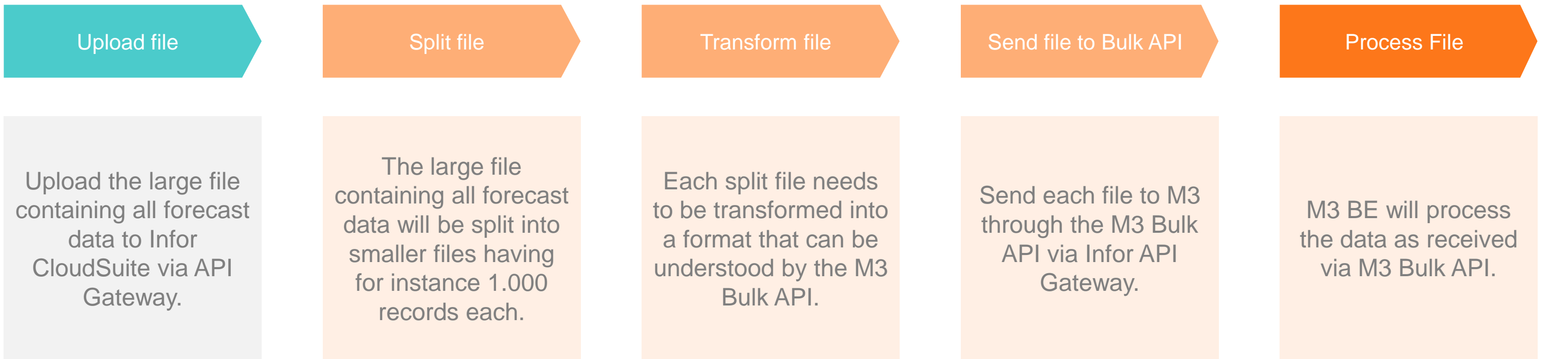


# Forecast integration – Implementation on client side



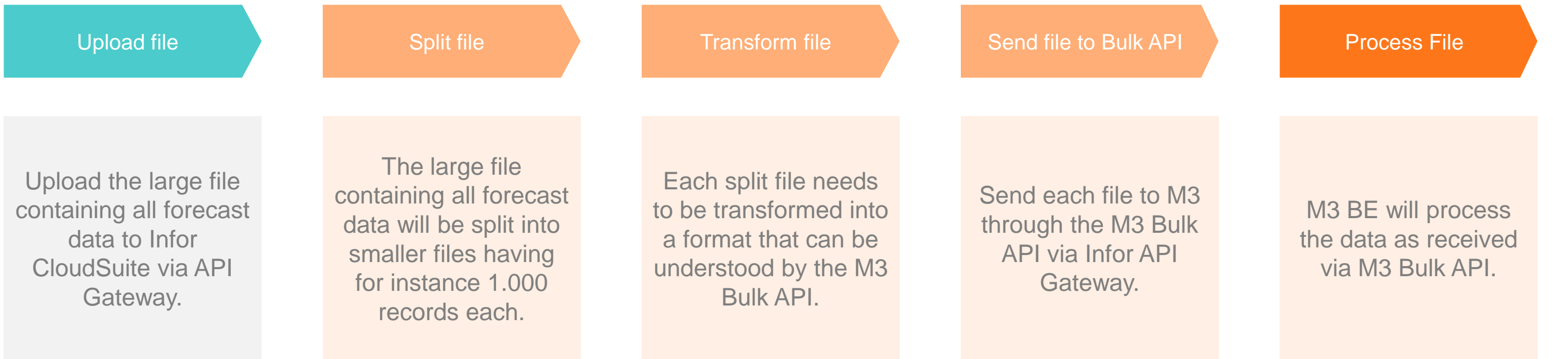


# Forecast integration – Implementation on client side



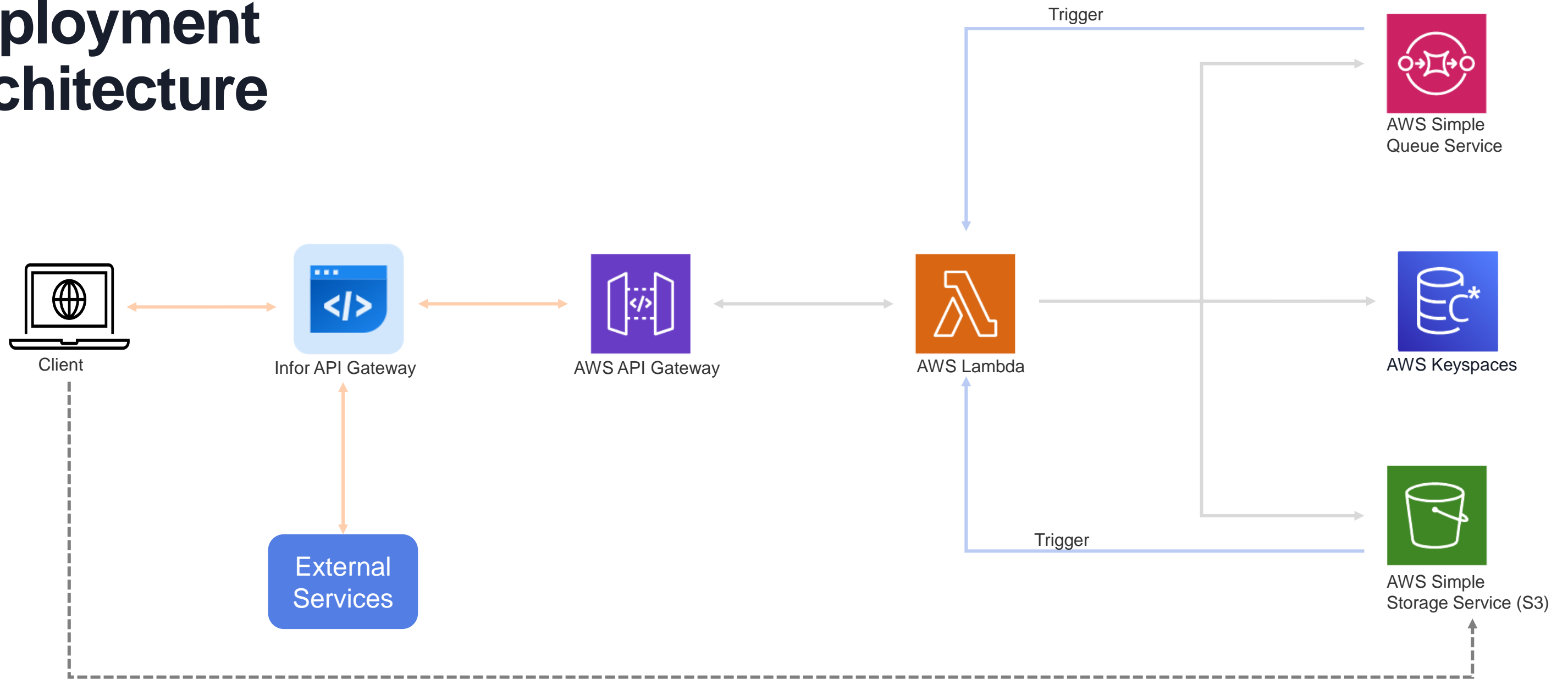
Needs to be executed in parallel.

# Forecast integration – Implementation using BaaS



Needs to be executed in parallel.

# Deployment Architecture



Tack för idag  
så ses vi på  
nästa  
Tips&Tricks

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