INFOTEAM
JOBB SMARTERE

Webinar: Tips og Triks – Facets M3 og XtendM3. Det du ikke trodde var mulig med M3 Cloud Edition
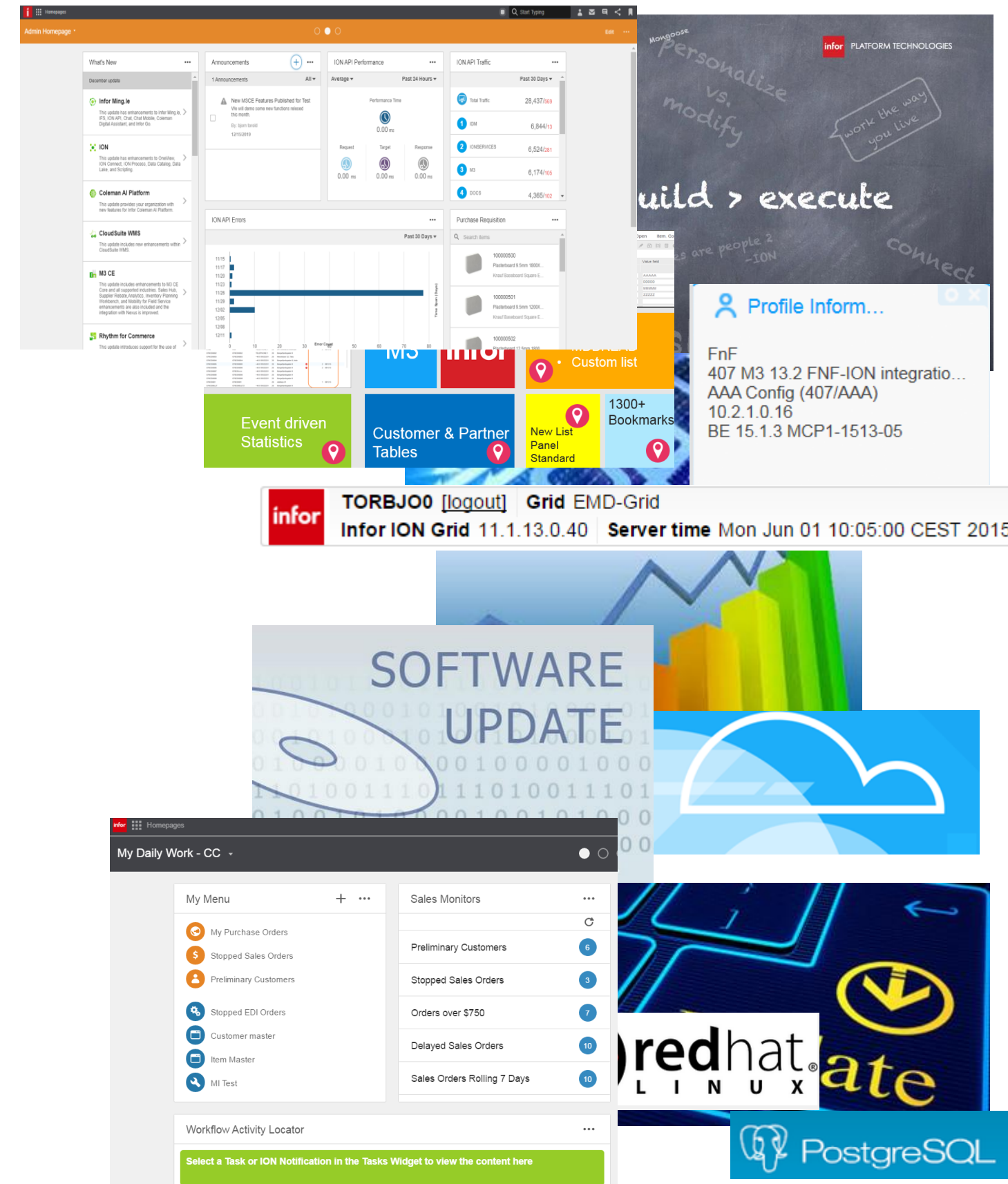
Vi startar kl 10.00

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Agenda

- Diverse Cloud News i og rundt M3 som kommer i april.
  Nye funksjoner for kopiering av data. Økt ytelse med ulike API-funksjoner. Streaming og hvordan laste ned store datasett fra M3CE. M3CE og nye Health and Notification Service funksjoner.

- Hvordan forenkle og forbedre søkefunksjonene i M3 Cloud Edition?

- Hvordan få mer ut av verktøykassen i CloudSuite og hemmeligheten bak hvordan du tenker «utenfor boksen»

- Avslutt og lite kommende event

BE Data Management – Dataset tables will be omitted

- From 2024.04 dataset tables will be omitted from data copy

  - In the Business Engine Data Management Admin Tool, the M3 Business Engine dataset definition tables will not longer be part of data copy (Export/Import)

  - Tables omitted: OSSSET, OSSELE, OSSSEE, OSSSEL, OSSTRT, and OSBUID

- The solution to use as replacement is outlined in KB 2284132 (feature already included in 2023.05)

Cloud File Transfer – Early announcement 2024.10

- Early announcement KB 2065737
- Changes requiring advance customer actions planned for October 2024
  - CFT Clients will no longer support old Grid versions
  - CFT Clients will no longer support Java 8
- Option is to move away from using the CFT Client by enabling Cloud Storage instead
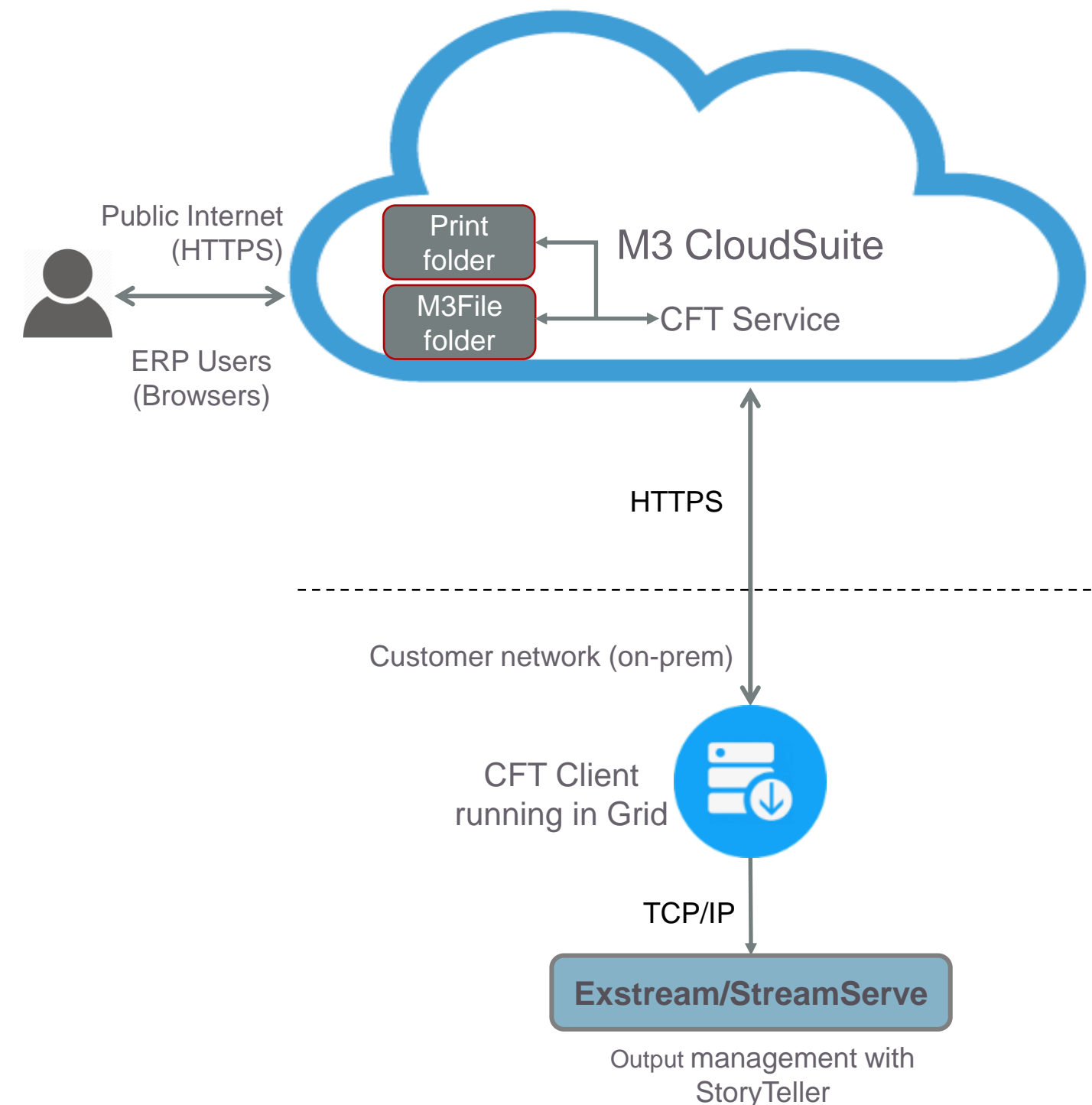 - CFT Cloud Storage KB 2280528

Resolution : A new option 21='Export Configuration' and action F17='Export' have been added to 'Dataset. Open' (OSS401). Up to 200 records in (OSS401) can be exported in one go.
Limitation

- The O-tables won't be part of export/import.

- Activation, updating of budget version in OSS401 will only take effect during 'Replace Existing.'

- During Import if the XML file has child records (OSS402, OSS403, OSS404, OSS406 and OSS420) that are not existing in the 'To Tenant', these records will be added regardless of option chosen (Keep existing, Replace Existing)

CFT with Cloud Storage

- M3 files stored in cloud
  - MVX File Transfer
  - Data Management (Export/Import)
  - Configuration Data
  - FAT Exports

- Saved printouts stored in cloud
  - marked with option "save" in M3 BE

- Move of print files to CFT Client
  - CFT Client send prints to Exstream/StreamServe
    - Configuration for print server and port is set in M3 BE

Public Internet (HTTPS)

ERP Users (Browsers)

Print folder

M3File folder

M3 CloudSuite

CFT Service

HTTPS

Customer network (on-prem)

CFT Client running in Grid

TCP/IP

Exstream/StreamServe

Output management with StoryTeller

Tenants created before 2023.03 – Client installed

- Tenants that has been configured with a CFT Client
  - Currently under controlled roll out
  - Information provided on KB 2280528
    - What to think about before switching to CFT Cloud Storage?
    - How to initiate move to CFT Cloud Storage?

Abstract: Infor M3 Cloud File Transfer (CFT) solution is now updated so installation of a CFT Client is no longer required for file storage, instead, the files are stored in Cloud. Files that are stored in Cloud include, for example, Data Management Exports, Business Engine files, and Print files.

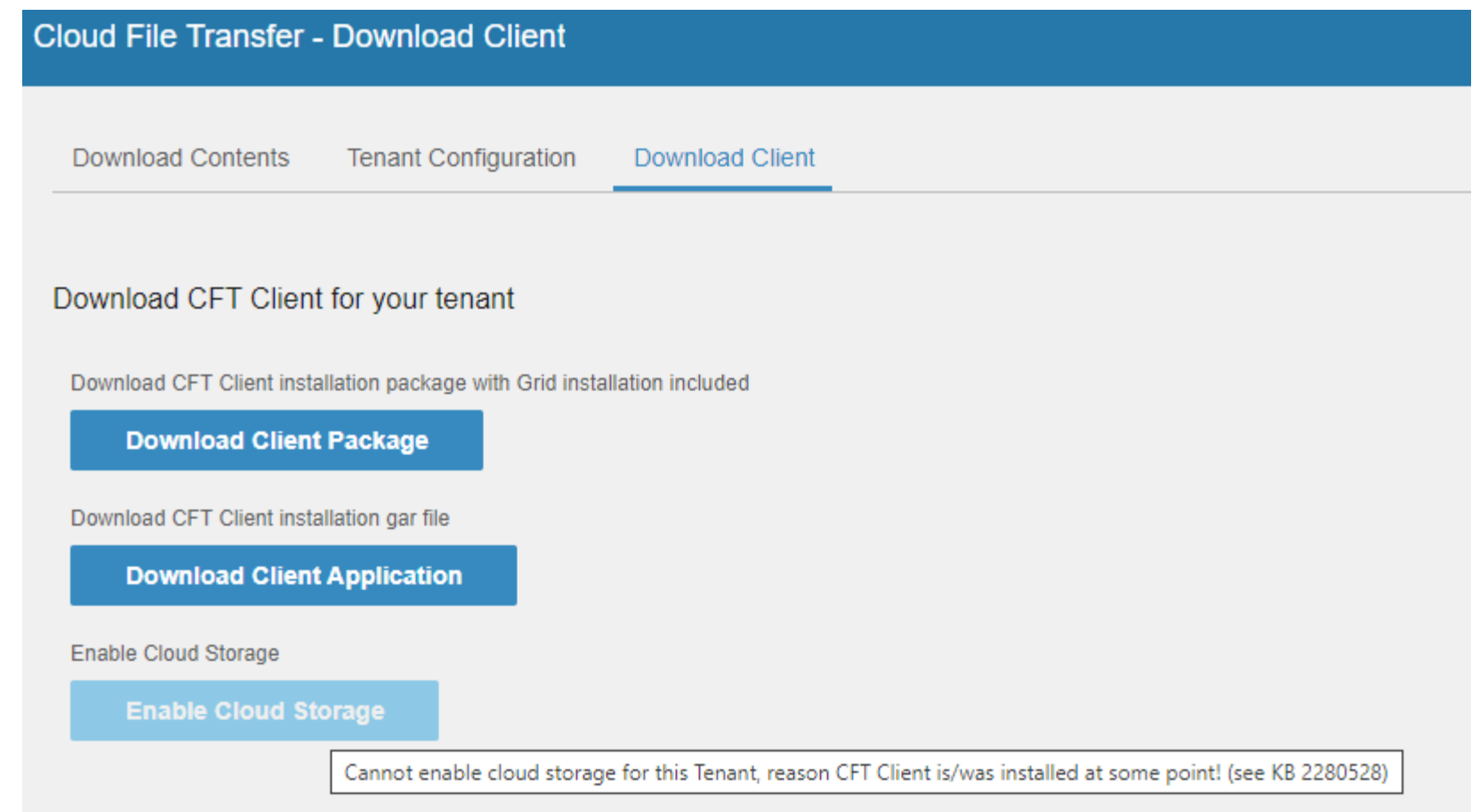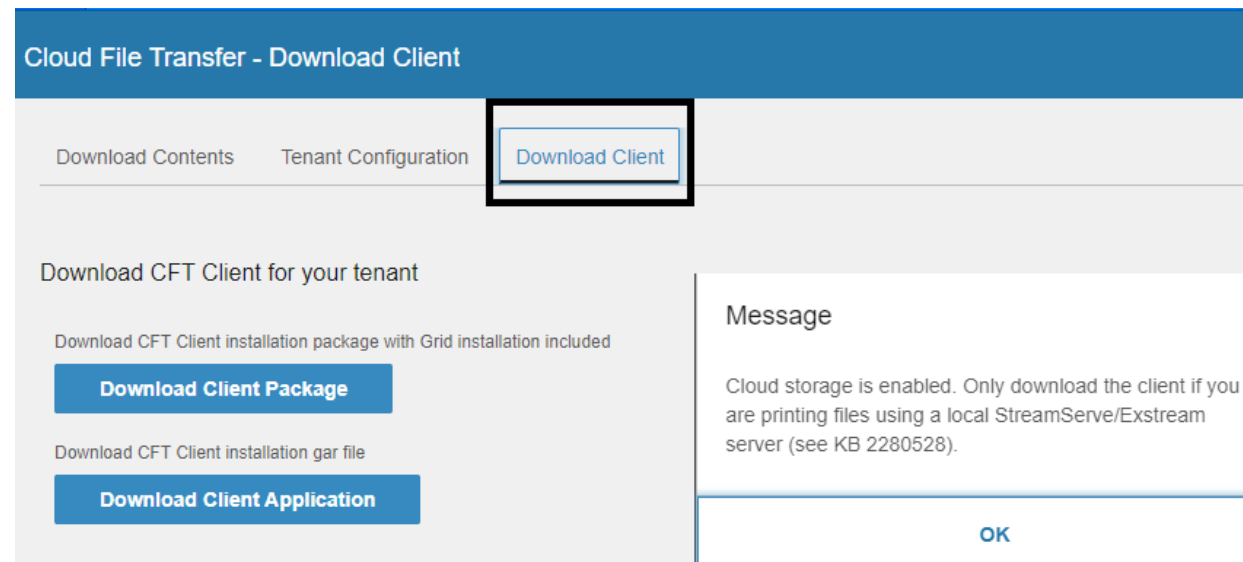A retention policy is applied, see Infor M3 Configuration Guide for details.

Note:

- The CFT Cloud Storage solution is enabled for tenants created after the March 2023 update.
- Usage for existing Tenants (created before 2023.03)
  - Tenants that never had a CFT Client installed can from 2023.11 enable CFT Cloud Storage
    - See KB 2309920
  - For Tenants that has been configured with a CFT Client the next step is a controlled roll out. Customers that want to switch can create a support ticket with subject "Request to switch to CFT Cloud Storage", information will then be provided (note that switch will be optional).
- CFT Client is still required for printing to on-prem Exstream/StreamServe.
- Trying to download CFT Client via CFT Admin page will result in that an information message is shown if Cloud storage is configured.
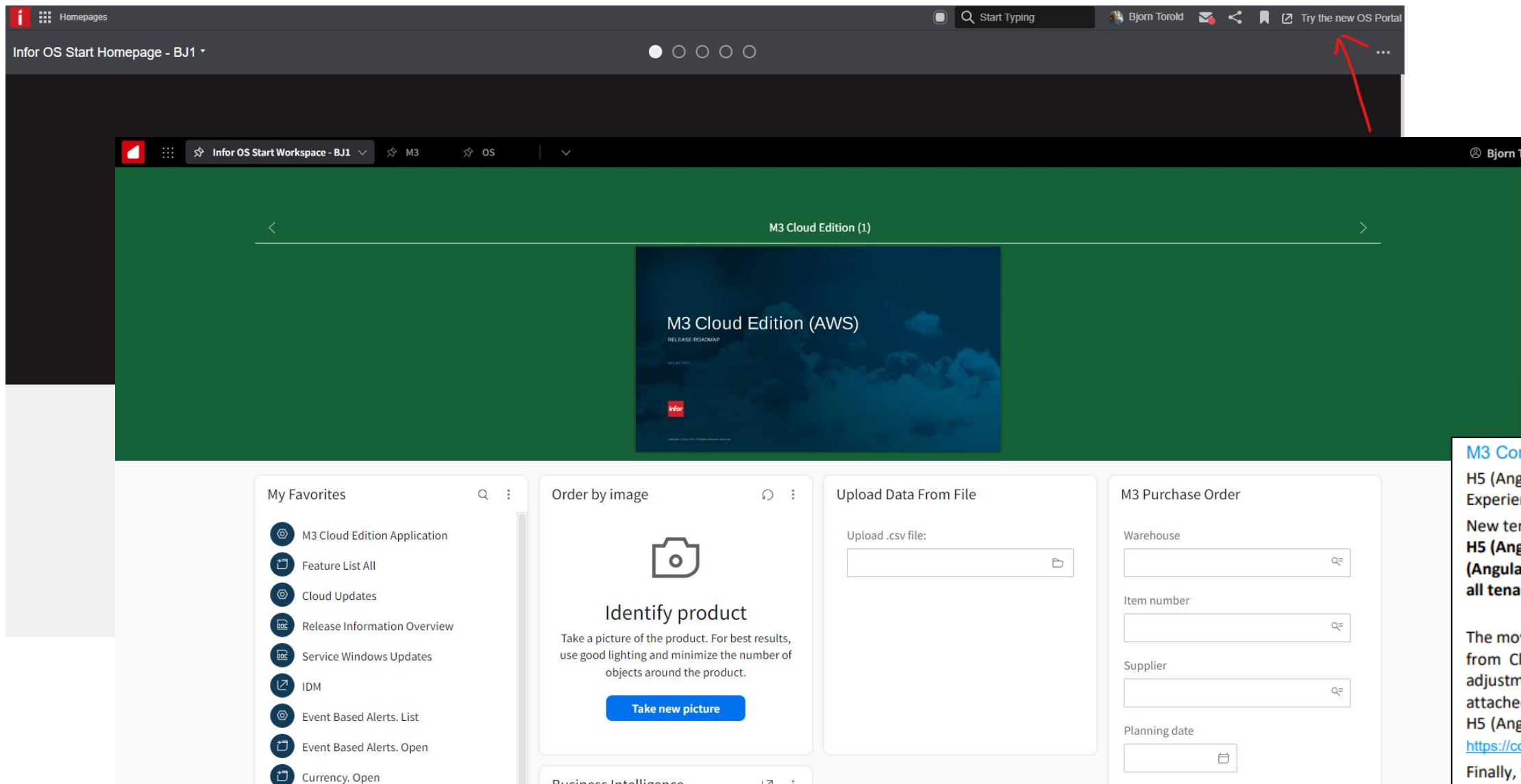
Background: CFT store files in Cloud is a requirement.

CFT Cloud Storage (2023.03)

- CFT Client will no longer be used to store M3 Files, instead they will be stored in Cloud

- Retention policy for the files is 30 days
  - Log files 100 days
  - Export BE Data Templates will be kept permanently

- Note that CFT Client will still be used for printing to local Exstream/StreamServe, or other local options

- Message if Cloud storage is configured

Goodbye Ming.le and now Infor Portal is here

M3 Core: Move from H5 Classic to H5 (Angular)

H5 (Angular) is the prerequisite for all new M3 experience innovations such as the InforOS Portal & M3 Experience Designer Applications. New capabilities in H5 will also only be added in H5 (Angular).

New tenants and on-going projects should use H5 (Angular) from start in order to avoid a future move. **H5 (Angular) has been available since 2021, so you can start your move from H5 Classic to H5 (Angular) whenever you are ready. H5 Classic will be decommissioned in April 2024, and at that point all tenants will be moved to H5 (Angular).**

The move can either be done for groups of users at different times or for all users in a single go. To move from Classic, existing H5-Scripts must be checked for compatibility and may require some minor adjustments. For more information about H5 scrips please see KB 1909067. H5 developer guide is also attached in that Kb and that has a separate section in the end in how to move scripts from H5 classic to H5 (Angular). The developer community is also a great help when you need help. It can be found here: https://community.infor.com/infor-developers/f/m3-development.

Finally, there is a recorded session at Infor Campus covering what is new in H5 (it is from 2021).

Please note that you can find new settings in the H5 Administration page, and under user settings in H5 (Angular), which will control the appearance of lists and forms. You can decide what size you want for these components. The option "Extra Small" for forms and lists will be closest to H5 Classic. There is also a new H5 administration setting that decides whether you want the accent color and theme to be controlled by Infor OS Portal or not.

More new improvements

M3 Core: Replacement API transactions with improved performance
In the continuous work to improve M3 performance changes are made to existing API transactions. In some cases, the changes can result in minor changes to the output of the API including some, seldom used information. In these cases, a new replacement transaction is delivered. At some point the old transaction might be decommissioned but all customers gain performance improvements by make an early switch. For more information about new replacement transactions please see KB 2313562

M3 Core: M3 Streaming data to Infor Data Lake.
Support for Streaming Ingestion to Data Fabric.

Reason for the change:

To support direct ingestion to Data Fabric for further pipeline to a destination database or similar data receiver at the customer.

Result of the change:

Data Fabric will pass streamed data into pipelines defined by the customer, and Data Lake will get the stream into files every 10 minutes or after 5MB in size.

ION is not part of this architecture, meaning ION Data Flows will not transport M3 data.

Actions required prior to activating the change:
A switch in M3 Data Lake Publisher changes the publication method from ION to streaming.
After switching to Streaming, it is not possible to go back to ION ingestion method.

Availability:
This feature is available as of the April 2023 release and is synchronized with Data Fabric Pipeline General Availability (GA).

From April 2024, net new tenants will have streaming as the default ingestion method for M3 publishing to Data Lake. Existing tenants will stay with current setting and will not be affected. For more information, see KB article 2282015.

ID: M39315

M3 Core: Performance enhancement - New list available in H5
A new list component (datagrid web component) has been implemented in H5. The new component uses a new HTML structure and new styling.
Virtual scroll has been implemented in this component, and that means that the performance of the list is optimized when loading data, displaying data, and scrolling large amounts of records.
The new list is not available for H5 Classic.

Reason for the change:

When scrolling in large lists in H5, the user experience has been that the scroll is a bit slow, and that scrolling does not run smoothly. There have also been some performance issues when opening detail panels from lists and returning to the list. To improve the performance, a new list component has been implemented in all H5 programs.

Result of the change:

To enable the new list, there is a new H5 setting under H5 administration called "Enable new list". The new list can be enabled for all users, for roles or for specific users. You can enable/disable the new list at any time.

Actions required prior to activating the change:

The new list might cause issues for existing scripts. Make sure all your scripts are following the recommendations in the H5 scripting guide, available in knowledge base article 1909067. In that KB, there is also a scan tool (IDS Web Component Datagrid Scan Tool) that you can use to run through all your scripts to find potential issues.

Availability:

This feature is available in M3 and will be automatically activated as of the October 2024 update. For more information, see KB article 2318262 in the program 'Feature list. Open' (CMS975)

ID: M312122

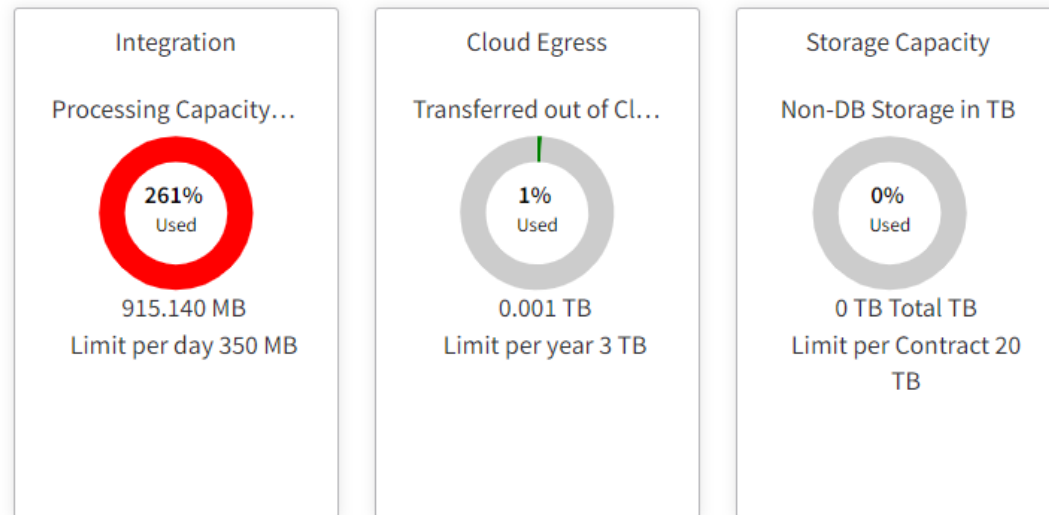### M3 Core: Usage of filters and selection fields in Ad Hoc reporting, EXPORTMI, and CMS100MI
The API CMS100MI, EXPORTMI, and Ad Hoc Reporting functions can currently cause excess and unwanted load on the M3 database server. This primarily relates to the usage of field selections without corresponding filters having been used in combination with the field selection or that there is no suitable index in the M3 database. To execute this on top of very large tables can result in a full table scan to find a few records. This results in bad performance in the API/Ad Hoc call as well as a very high load on the database server, that can in turn affect other processes in M3. Similar problems also occur for smaller tables when the call frequency of the API transaction or Ad Hoc reports are high.

The best practice is to always base needed filtering on the existing database indexes. If no standard database index exists, new ones can be created through the M3 sorting options in 'M3 File. Create Sorting Option' (CRS021). To help achieve suitable filtering, a function exists where the last filter can be defined as an interval rather than a single value.
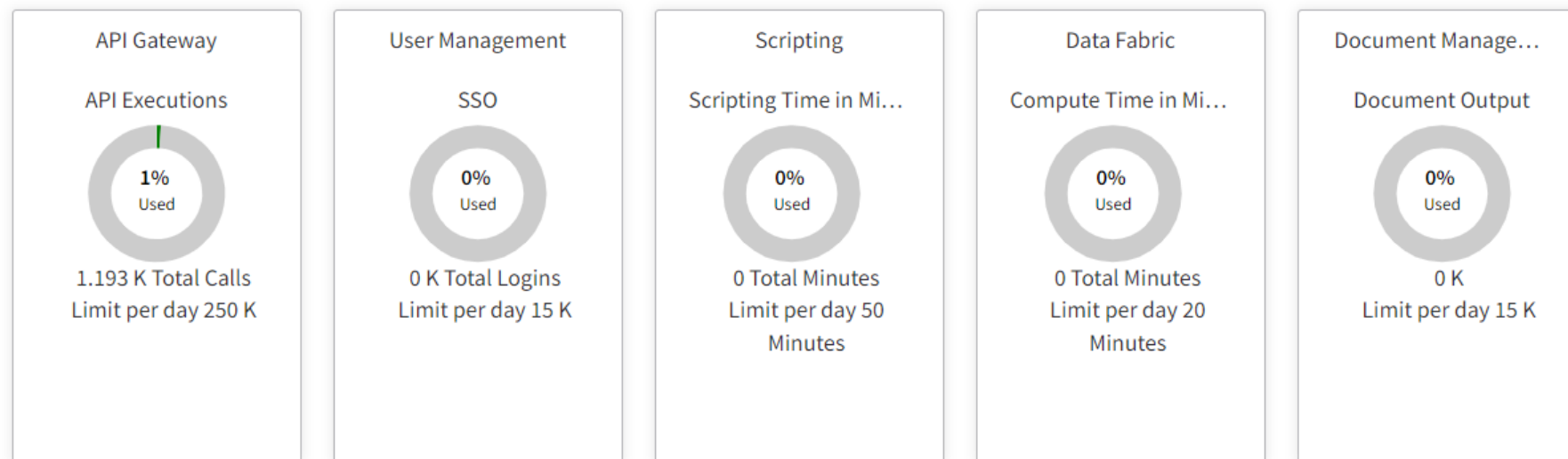
A recommended alternative solution to retrieve M3 data is to use Data Lake data retrieval capabilities. See *Infor OS User Guide* in this location referencing Compass functions and Data Lake ETL capabilities.
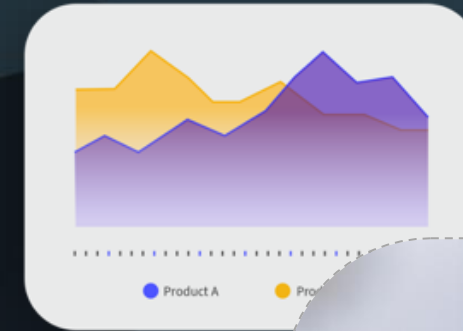
Example of unbalanced integrations

Usage Report

Integration

Processing Capacity…

261%
Used

915.140 MB
Limit per day 350 MB

Cloud Egress

Transferred out of Cl…

1%
Used

0.001 TB
Limit per year 3 TB

Storage Capacity

Non-DB Storage in TB

0%
Used

0 TB Total TB
Limit per Contract 20 TB

Usage By Tenant

API Gateway

API Executions

1%
Used

1.193 K Total Calls
Limit per day 250 K

User Management

SSO

0%
Used

0 K Total Logins
Limit per day 15 K

Scripting

Scripting Time in Mi…

0%
Used

0 Total Minutes
Limit per day 50 Minutes

Data Fabric

Compute Time in Mi…

0%
Used

0 Total Minutes
Limit per day 20 Minutes

Document Manage…

Document Output

0%
Used

0 K
Limit per day 15 K

TECHNOLOGY

INFOR OS PORTAL EXTENSIONS

HEALTH & NOTIFICATION SERVICE

OBSERVABILITY

Vignesh Subramanian
VP, Product Mgmt, Technology

2024.03.01
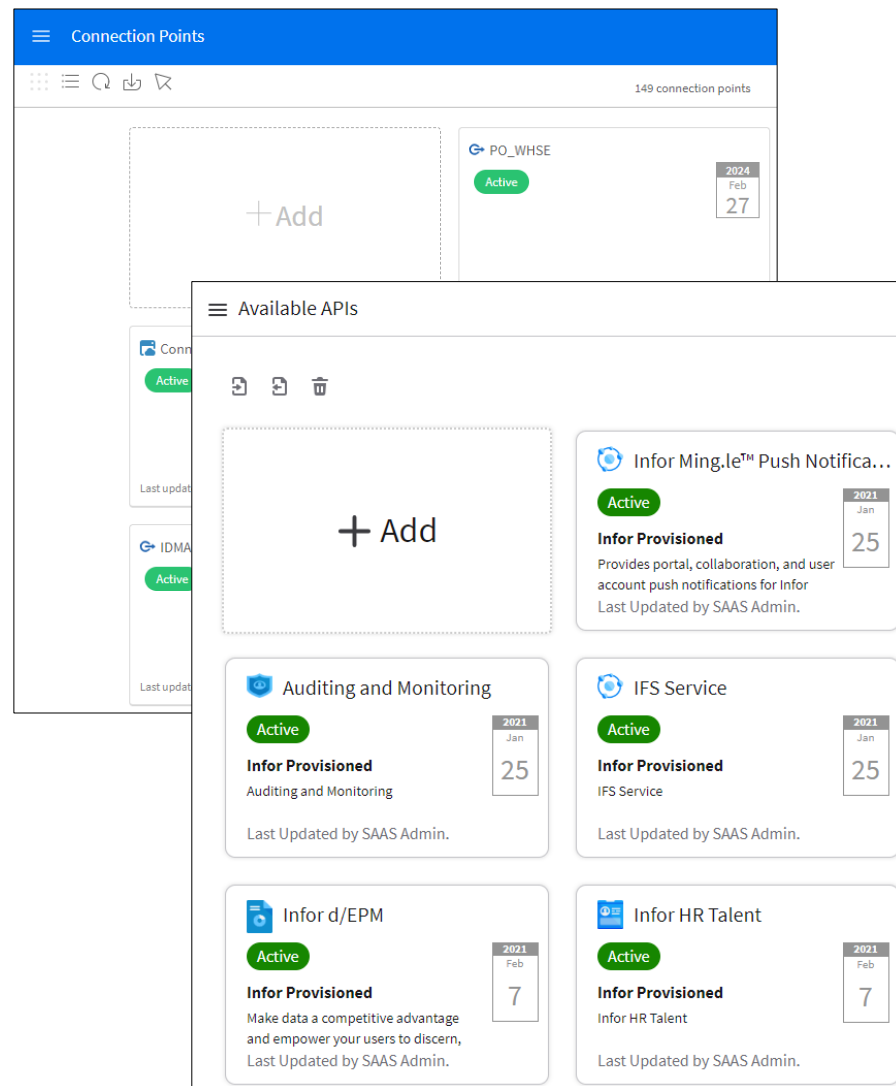
What?

Health Service

- Source applications send Health or Application events

- Health events begin with an unhealthy trigger, tracks the condition until source application sends a health trigger

- Application events are one off conditions.

- Both type of events are rule driven.

Notification Service

- Notification service takes care of informing the customers of the events.

- Each event has an associated notification template.

- Notification Service applies the rules, template, personalization, distribution on the event data and handles the communication including e-mail.
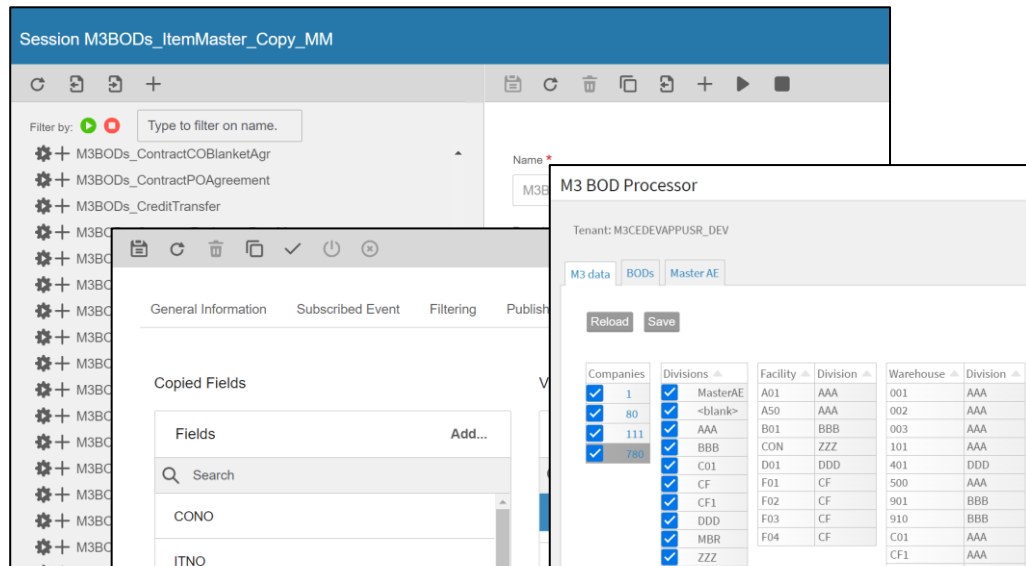
Health Service for ION

Keeping your business running

Infor ION is used to transmit terabytes of data every month through billions of API, IMS, and DB calls and millions of file transfers

- Knowing when failures occur

- Knowing where corrections can be made

- Evolve to taking pro-active actions – less reactionary

Health Service for M3

Session M3BODs_ItemMaster_Copy_MM

Runtime exception for filtering criteria or virtual field calculation

If a runtime exception occurs, for example a number format exception or division by zero, an error event is sent to the Health Service.

Event correlation triggering event never happens

If a triggering event is not received within a longer period, the stored data will automatically be deleted, and an error event is sent to the Health Service.

Event correlation events dropped

In extreme situations, the amount of data in the buffer exceeds its storage capacity which prevents more data in the buffer, and an error event is sent to Health Service.

Keeping your business running

Health Service notifications from M3 are more from a business point of view than technical. Current Health Service use cases are about custom "misconfigurations" of M3:

- Incorrect customizations
- Incorrect configurations
- Incorrect usage

Notifications are about problems that customers can do something about!

The first five use cases are for M3 integration components.

Config example

17

Packaging and Rollout

Packaging

Health and Notification Service and its adoption on other components is not separately licensed. It is part of base Infor OS.

- Expectation is that it will also help reduce the Support costs.

- In future, Health and Notification service APIs for third party application usage may be monetized.
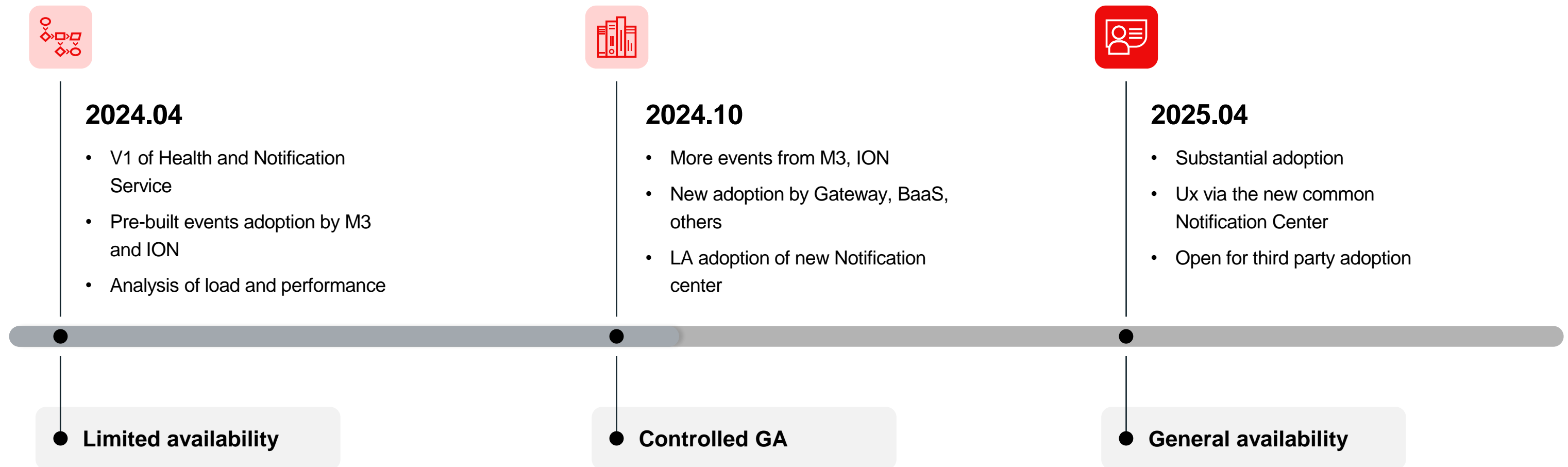
Rollout

Released as part of 2024.04 major release window as a **Limited Availability** feature.

- We are recruiting LA customers who have good usecases around the initial adoption rules from ION and M3

- Development and Product Management can help enable the feature for interested customers.
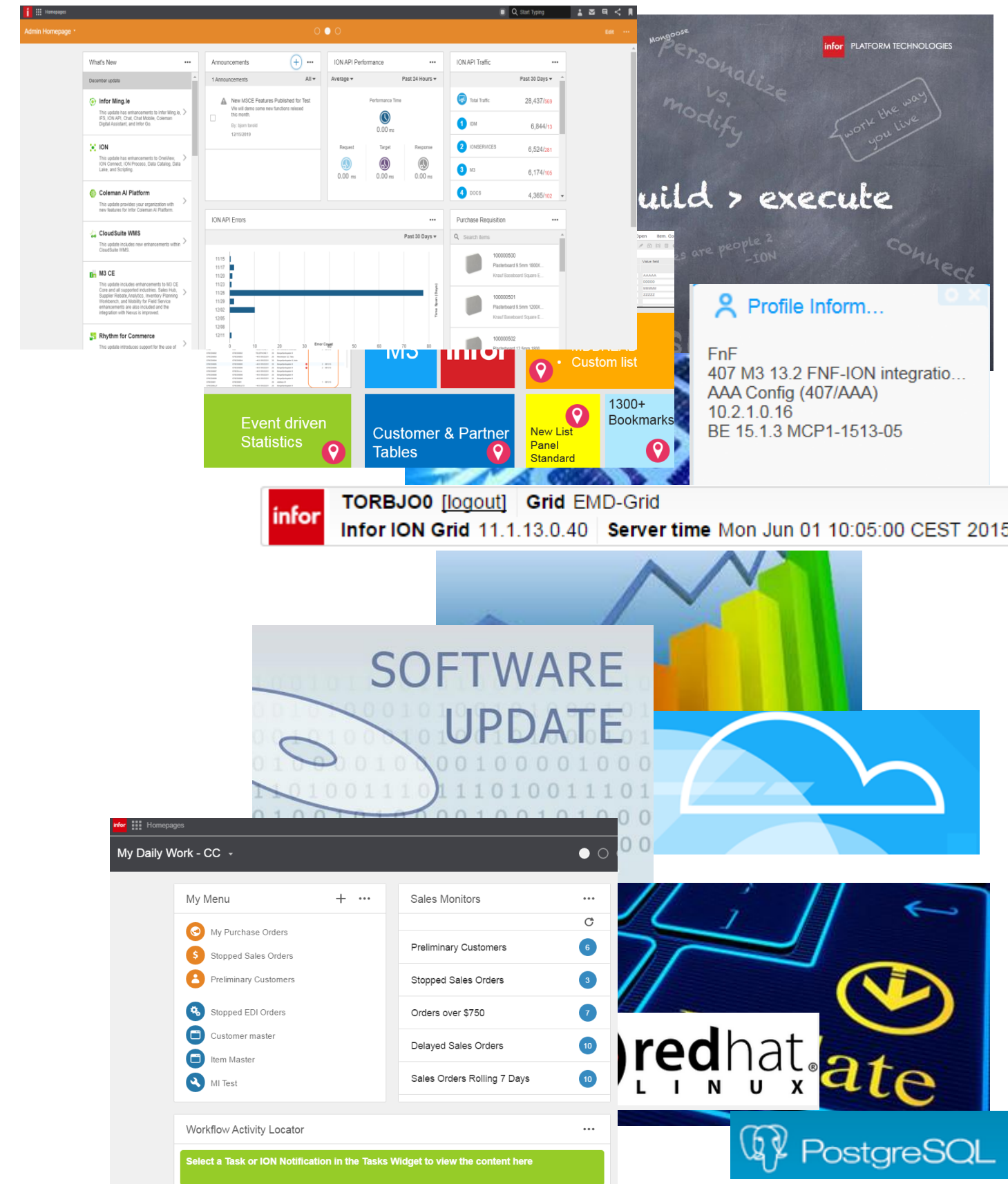
Release Timeline

2024.04

- V1 of Health and Notification Service
- Pre-built events adoption by M3 and ION
- Analysis of load and performance

2024.10

- More events from M3, ION
- New adoption by Gateway, BaaS, others
- LA adoption of new Notification center

2025.04

- Substantial adoption
- Ux via the new common Notification Center
- Open for third party adoption

Limited availability

Controlled GA

General availability

Dagens subjekts

- Diverse Cloud News i og rundt M3 som kommer i april.
  Nye funksjoner for kopiering av data. Økt ytelse med ulike API-funksjoner. Streaming og hvordan laste ned store datasett fra M3CE. M3CE og nye Health and Notification Service funksjoner.

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Infor

Tack för nu!