TO INCREASE

Upgrading Customized C/AL Application to Microsoft Base Application Version 17

November 30, 2020

For a detailed description of the tasks listed below please refer to **Microsoft docs**

This document lists some comments (Notes) that we received from partners that went through this upgrade process.

Prerequisites

- o Migrate the application to Microsoft Dynamics 365 2019 wave 1, update 8 (IEM 14.8)
- o Separate all customizations and other ISV applications.
- Install version 17
- APPLICATION UPGRADE
  - o Task 1: Move code customizations *(other than the IEM code)* to extensions
  - o Task 2: Create table migration extension

    Notes: *Since the IEM embed app replaces the **Microsoft Base App** all instructions referring to the Microsoft Base App should read **IEM Application.***
    ***Migration.json** must mention the IEM Application ID*
    ***Migration.json** expects the source - and target dataset to be the same as only complete tables are converted.*
    To achieve that remove the following tables from IEM C/AL:

Type	ID	Name	Version List
1	11014515	N050 Job Status	IEM
1	11014609	N050 Delivery Trip Status	IEM
1	11014610	N050 Transport Order Status	IEM
1	11014929	N050 SharePoint Chart Setup	IEM
1	11027768	N018 Time Sheet Status	IEM
1	11028513	N134 Absence Entry Status	IEM
1	11028547	N136 Exp. Claim Approval Entry	IEM
1	11028548	N136 Posted EC Approval Entry	IEM
1	11028549	N136 Exp. Claim WFlow Settings	IEM
1	11093536	N142 Planning Colors	IEM
1	11093537	N142 Timescale Setup	IEM

In version 0.0.0.0 of the migration app the tables to be migrated from the C/AL database (via the txt2al tool) are included. This contains the standard C/AL tables including IEM fields and the own IEM tables. So, no tables from other parties or customization. After all, they have already been lifted to an extension.

Microsoft writes in its step-by-step plan that in the 0.0.0.1 version of the migration.json, the ID of Microsoft System Application, the ID of the Microsoft Base Application and the ID of possible customization apps must be entered. Here we do not include a customization id and we replace the ID of Microsoft Base App with the id of the IEM Base App.

The id of the IEM Base App is: e2ab31a7-03d3-4284-832b-6fe9d3dfb45a

- o Task 3: Create empty extensions System, Base, and customization extensions

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- DATA UPGRADE
  - Task 4: Prepare databases
  - Task 5: Convert version 14 database
  - Task 6: Configure version 17 server for DestinationAppsForMigration
  - Task 7: Import License
  - Task 8: Publish symbols and DestinationAppsForMigrations
  - Task 9: Synchronize tenant
  - Task 10: Install DestinationAppsForMigration and move tables
  - Task 11: Publish final extensions
    Note
    After publishing the Microsoft System App, the IEM install script (which cycles through all $apps) must be run with Publish and direct sync and install. This in contrast to the MS step-by-step plan in which all desired apps are first published, then everything is synced etc.

    Otherwise, you will have a problem with conflicting Application app versions in later steps.
  - Task 12: Synchronize final extensions
  - Task 13: Upgrade empty table migration extension
  - Task 14: Upgrade and install final extensions
  - Task 15: Install remaining customization extensions
  - Task 16: Upgrade control add-ins
- Post-upgrade tasks as per **Microsoft docs**

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