



Upgrade path from Gen. 1 to Gen. 2

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1 Introduction

K3 Pebblestone Gen. 1

K3 Pebblestone Gen. 1 is the fashion solution, which is on the market for over 20 years, a fully integrated proven ERP solution tailored to the needs of small and medium sized fashion and apparel companies. Enabling wholesalers, brand owners, private label and CMT companies in apparel, footwear, sporting goods, corporate and promotional wear and accessories to run their entire business through one software solution.

K3 Pebblestone Gen. 2

With the release of Microsoft 365 Business Central in 2018 K3 started to build K3 Pebblestone Gen. 2. The K3 Pebblestone product team began preparation for the cloud solution by identifying the set of business processes. Many of these are a subset of the functionality available in the K3 Pebblestone Gen. 1 solution. However, the primary focus was on identifying the right features for the target cloud market rather than insisting on only using features that already existed in the Gen. 1 solution. K3 architected and developed K3 Pebblestone Gen. 2 from the ground up, rather than converting features from C/AL to AL. This technically optimises the K3 Pebblestone Gen. 2 product and greatly enriches the experience of the product.

The goal is to reach a level of functionality in Gen. 2 that addresses the needs of all customers in our target markets, including larger customers who traditionally needed the Gen. 1 product. K3 will continue to support and maintain the Gen. 1 product, but it does not have a roadmap for functional expansion.

Because of this approach, like describe above the upgrade path from Gen. 1 to Gen. 2 is a little different from the previous upgrade paths. This document describes how an upgrade between the two solutions can be done.

First a flowchart is showing the steps and secondly a short description of the steps with the related links to Microsoft is proving additional insights.

The SQL script is provided as a template, we try to populate as much fashion related data from the Gen. 1 to Gen. 2 product as possible. Where this is not possible, for example functionality does not exist in either Gen. 1/Gen. 2 or new functionality is

distinctly different, the expectation is this area will be completed setup a fresh by the partner.

We will endeavour to update the script every 6 months, but we hope by providing this script in a collaboration/cooperation model that we can enhance the script together.

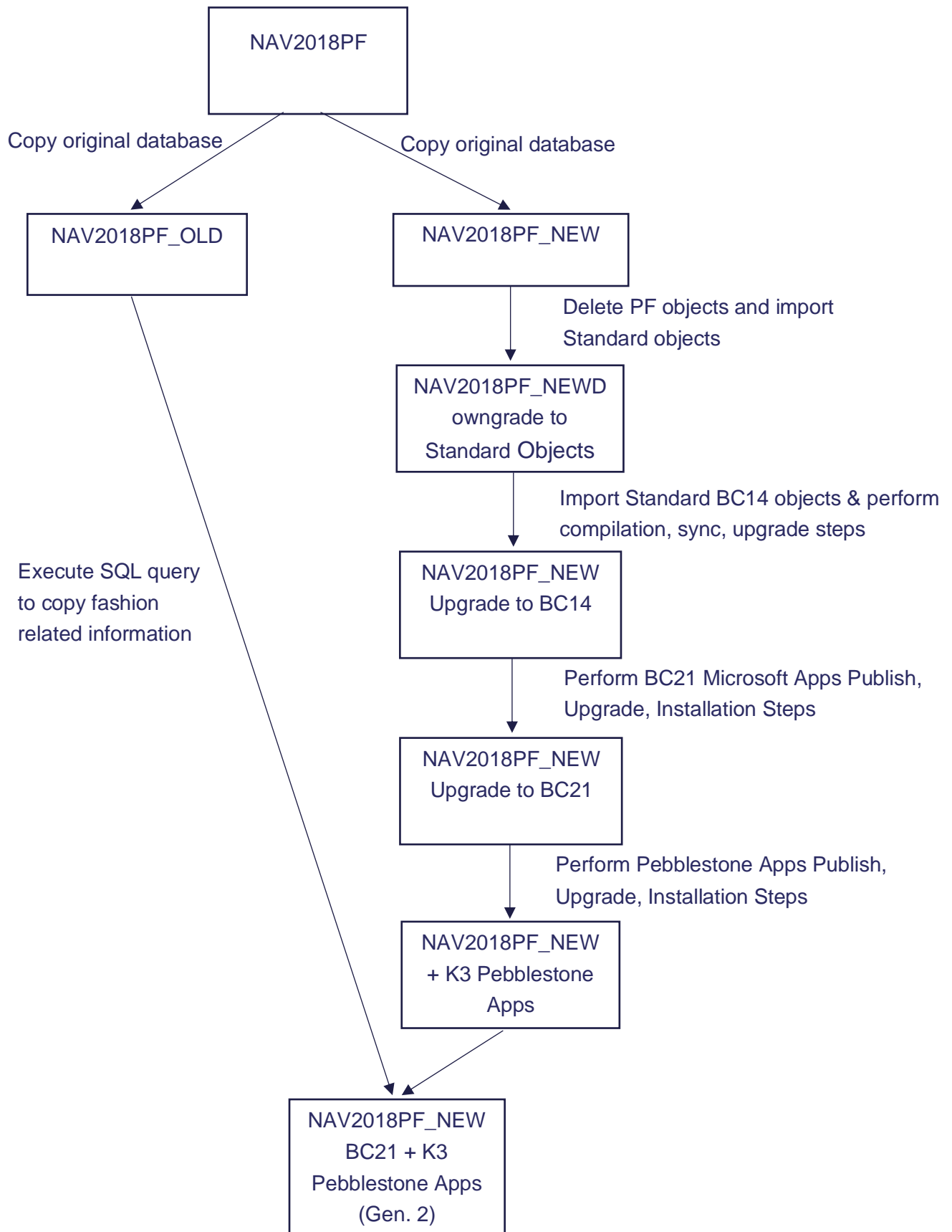
As such the partners will have the ability to provide changes/ enhancements to the script via a private git repository.

If you have questions about the upgrade path, feel free to reach out to us via the support portal.

2 Prerequisites

- The Dynamics NAV version of the Gen. 1 K3 Pebblestone database must be at least NAV2018.
- Knowledge of using Microsoft upgrade guidelines, links provided.
- Knowledge of SQL queries.
- Working knowledge of Git
- Bespoke partner development must be converted into an Extension app.

3 Upgrade steps flowchart



4 Upgrade steps

To upgrade from NAV2018 On-premises to BC21 Cloud please follow the steps.

For any other bespoke developments make sure you have already developed the accompanying extension app for these developments.

4.1 Downgrade to NAV 2018 STD

- Uninstall extensions (Uninstall-NAVApp)
- Unpublish extensions (Unpublish-NAVApp)
- Delete K3 Pebblestone objects
- Import STD objects – (make sure std object are the same localization/CU of your database)
- Compile and Sync

4.2 Upgrade to BC 14 STD

<https://docs.microsoft.com/en-us/dynamics365/business-central/dev-itpro/upgrade/upgrading-to-business-central-on-premises>

- Import standard BC14 objects
- Set Application Version

<https://docs.microsoft.com/en-us/powershell/module/microsoft.dynamics.nav.management/set-navapplication?view=businesscentral-ps-16>

- Compile and Sync

4.3 Upgrade to BC21 STD

<https://learn.microsoft.com/en-us/dynamics365/business-central/dev-itpro/upgrade/upgrade-overview-v21>

<https://learn.microsoft.com/en-us/dynamics365/business-central/dev-itpro/upgrade/upgrade-technical-upgrade-v14-v21>

- Invoke Nav database conversion (Invoke-NAVApplicationDatabaseConversion)
- Set Application Version (Set-NAVApplication)

<https://docs.microsoft.com/en-us/powershell/module/microsoft.dynamics.nav.management/set-navapplication?view=businesscentral-ps-16>

- Publish (Microsoft) System, Base App, Application
- Sync (Microsoft) System, Base App, Application
- Start NAVDataUpgrade
- Install (Microsoft) Application
- Publish Pebblestone Apps
- Sync Pebblestone Apps
- Install Pebblestone Apps

4.4 Bespoke Development

For bespoke developments you can follow and modify the logic found in the supplied SQL query to copy data for any bespoke developed tables.

4.5 Migrate to Business Central Online

<https://docs.microsoft.com/en-us/dynamics365/business-central/dev-itpro/administration/migration-tool>

Note that K3 Pebblestone applications must be installed on the target Business Central online tenant and be the same version as the source Business Central on-premise database, this also applies to any bespoke applications developed.

4.6 Access to the SQL Script

Access to the SQL script is provided via a GitHub private repository. If you require access to repository, please raise a ticket on the support portal and the team will grant you access.

As part of this access, the expectation is that partners making enhancements to the script for standard K3 Pebblestone fashion data will be providing those changes using the pull request mechanism. This can be achieved by following the below steps.

1. Create a new branch based on master.
2. Make the changes/enhancements to the file.
3. Commit those changes to the branch with a short message explaining the change, i.e 'Populated K3PFSize Code on the Sales Line'
4. Push/Publish those changes.
5. Create a Pull request, selecting the new branch into Master. (base:master <- Compare:newbranch).

4.7 K3 Data Upgrade Framework

The K3 Data Upgrade Framework, introduced in K3 Pebblestone BC version 21 in January 2023, allows to migrate data after the solution upgrade itself.

The K3 Data Upgrade Framework shows all the available data upgrades and the status of the data upgrade. Please check the available upgrade jobs and run or schedule them.

| Description | Data Upgrade Required | Data Status ↑ | Start Time | Completion Time ↑ |
|--|--------------------------|-----------------------|------------------|-------------------|
| This data upgrade will update Production BOM Variant with a Variant Code. The variant c... | <input type="checkbox"/> | Pending Data Update | | |
| This data upgrade update Posted Assembly Orders with values for the K3 Pebblestone fi... | <input type="checkbox"/> | Pending Data Update | | |
| → This data upgrade will upgrade existing or create new Document Nodes. | <input type="checkbox"/> | Scheduled Data Update | | |
| This data upgrade will create Sales Invoice lines of type Matrix and link them to the existi... | <input type="checkbox"/> | Completed Data Update | 13/12/2022 12:59 | 13/12/2022 12:59 |
| This data upgrade will create sales archive lines of type Matrix and link them to the existi... | <input type="checkbox"/> | Completed Data Update | 13/12/2022 13:02 | 13/12/2022 13:02 |
| This data upgrade will create Sales Cr.Memo lines of type Matrix and link them to the exis... | <input type="checkbox"/> | Completed Data Update | 13/12/2022 13:02 | 13/12/2022 13:02 |
| This data upgrade will create return receipt lines of type Matrix and link them to the existi... | <input type="checkbox"/> | Completed Data Update | 13/12/2022 13:02 | 13/12/2022 13:02 |
| This data upgrade will create Sales Shipment lines of type Matrix and link them to the exi... | <input type="checkbox"/> | Completed Data Update | 14/12/2022 14:00 | 14/12/2022 14:00 |