



Aleph Reporting Center 4.0 Release Notes

Version 4.0
Aleph 22

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Purpose of This Document

This document describes the new enhancements made for ARC 4.0. The following topics are discussed in this document:

- **Extension of patron fields** – extended patron address fields based on Z304 and Patron additional ID fields based on the Z308 Aleph table.
- **New patron name fields** – new fields based on the Z303 Aleph table: First name, Last Name, Birth place, and Z303-FIELD-3.
- **New Order fields** – new fields, First and Last Arrival Dates, based on Z78.
- **New Request field** – new field based on Z37H (request time stamp).
- **Item Inventory Number date** – the existing field has been moved to Item Relevant Periods.

The following enhancements have been made to the infrastructure:

- ARC 4.0 uses IBM Cognos 10.2
- Oracle Database 11g – Release 11.2

The enhancements are relevant for Aleph 22.

Upgrading From ARC 3.0 to ARC 4.0

Reports remain the same from ARC 3.0 to ARC 4.0.

Note that no upgrade is needed.

Customers that want to use their customized reports can export from ARC 3.0 and import to ARC 4.0. For details, refer to the **Backing Up Customized Reports** and **Backup and Recovery** sections of the *ARC 4.0 System Administration Guide*.

Extension of Patron Fields

Existing Patron fields have been extended in ARC.

The size of the Patron Address fields has been increased to 200 characters based on the Z304 Aleph Oracle table.

The size of the Patron ID fields has been increased to 255 characters based on the Z308 Aleph Oracle table.

- The size of the following fields has been increased in DWH_DIM_PATRON_GLOBAL_INFO.

Source (Aleph)	Destination Field	Notes
Z304-ADDRESS	PATRON_ADDRESS_LINE_1	Enlarged to X(200)
Z304-ADDRESS	PATRON_ADDRESS_LINE_2	Enlarged to X(200)
Z304-ADDRESS	PATRON_ADDRESS_LINE_3	Enlarged to X(200)
Z304-ADDRESS	PATRON_ADDRESS_LINE_4	Enlarged to X(200)
Z304-ADDRESS	PATRON_ADDRESS_LINE_5	Enlarged to X(200)

Source (Aleph)	Destination Field	Notes
Z308-KEY-DATA	PATRON_ADDITIONAL_ID_1	Enlarged to X(255), based on ADM's Prof_library: setenv patron_additional_id_1 "02"
Z308-KEY-DATA	PATRON_ADDITIONAL_ID_2	Enlarged to X(255), based on ADM's Prof_library: setenv patron_additional_id_1 "03"

In the presentation layer, these fields are displayed under Patron Global Information as:

- Patron Additional Id 1
- Patron Additional Id 2

And under Patron Global Information > Patron Address as:

- Patron Address 1
- Patron Address 2
- Patron Address 3
- Patron Address 4
- Patron Address 5

New Patron Name Fields

The following new fields have been added to ARC based on the Z303 Aleph Oracle table:

- Patron Last Name

- Patron First Name
- Birth Place
- Note 3

These fields are extracted to DWH_DIM_PATRON_GLOBAL_INFO.

Source (Aleph)	Destination Field
Z303-LAST-NAME	PATRON_LAST_NAME
Z303-FIRST-NAME	PATRON_FIRST_NAME
Z303-BIRTHPLACE	BIRTHPLACE
Z303-FIELD-3	FIELD_3

Note that the new Aleph 22 fields Z303-LAST-NAME and Z303-FIRST-NAME are filled-in from ARC, in addition to the pre-existing PATRON_NAME field (based on Z303-NAME).

If PATRON-NAME-FORMAT in tab100 is not defined, these fields remain empty.

In the presentation layer, these fields are displayed under Patron Global Information as:

- Patron Last Name
- Patron First Name
- Note-3
- Birthplace

New Request Time Stamp Field

A new field has been created in ARC based on the Request Time Stamp Z37H Aleph Oracle table. The field is in date and time format including milliseconds.

This field is extracted to DWH_FACT_REQUEST. It is displayed under Request Analysis > Other Request information.

Source (Aleph)	Destination Field
Z37H-TIME	TIME_STAMP

Changes in the Items Inventory Number Date Field

The Inventory Number Date field in the ARC Items presentation layer (based on Z30 / Z30H Aleph Oracle tables) has been changed. The display format of the fields has been changed from a date field to a group of fields named Inventory Number Period.

The following fields are extracted to DWH_FACT_ITEMS.

Source (Aleph)	Destination Field
Z30-INVENTORY-NUMBER-DATE	INVENTORY_NUMBER_DATE
Z30H-INVENTORY-NUMBER-DATE	INVENTORY_NUMBER_DATE

The following Inventory Number Period fields have been created and are located under Items Analysis > Item relevant periods > Inventory Number Period:

- Inventory Number Date
- Inventory Number Day
- Inventory Number Month
- Inventory Number Year
- Inventory Number Year and Month

New Order Fields

The First Arrival Date and Last Arrival Date fields have been created. They are based on the Z78 Aleph Oracle table.

These fields are extracted to DWH_FACT_ORDERS.

Source (Aleph)	Destination Field
Z78-ARRIVAL-DATE	FIRST_ARRIVAL_DATE
Z78-ARRIVAL-DATE	LAST_ARRIVAL_DATE

The first arrival date is the earliest Z78_ARRIVAL_DATE field recorded for the related order record (Z68).

The last arrival date is the latest Z78_ARRIVAL_DATE field recorded for the related order record (Z68).

In the presentation layer, these fields are displayed under Orders > Periods > First Arrival Period and Last Arrival Period, as follows:

Orders

- Periods
 - First Arrival Period
 - First Arrival Date
 - First Arrival Day
 - First Arrival Year and Month
 - First Arrival Month
 - First Arrival Year
 - Last Arrival Period
 - Last Arrival Date
 - Last Arrival Day
 - Last Arrival Year and Month
 - Last Arrival Month
 - Last Arrival Year

New Features of Cognos 10.2

ARC 4.0 uses Cognos version 10.2.0 that contains new features. These features are available mainly for professional users.

Note: For detailed information about these features refer to the version 10.2.0 IBM Cognos Business Intelligence documentation.

- **Workspace** – a Web page dashboard that contains report objects, interactive prompts, and widgets that graphically represent business data.
- **Enhanced Charts** – Cognos 10 has a new chart engine that contains more properties to modify the appearance of charts and gives a preview of the chart at design time. New types of charts have been added, such as bullet charts and spark lines. Report Studio can still be defined to continue working with the Cognos 8 charting engine.
- **Active Reports** – a new report type that allows professional report authors to create interactive reporting applications. An Active Report is a stand-alone file run as in HTML format or saved as an MHT file.
- **External Data sources** – Professional administrators can define external data sources in Report Studio like Excel, CSV, or XML files. By doing this, it is possible to use additional data to merge corporate information with external file-based data.