



# Polaris Database Changes

(Polaris 5.2.199 - 5.5.283)



World Headquarters  
5850 Shell-mound Way  
Emeryville, CA 94608  
+1.510.655.6200

Eastern US - New York  
103 Commerce Blvd., Suite A  
Liverpool, NY 13088  
+1.800.272.3414

---

# Contents

---

<b>New Tables in the Polaris Database .....</b>	<b>1</b>
BibliographicKeywordRelations Table .....	1
BNCLendingData Table .....	1
EXP_CriteriaForPatrons Table .....	2
InnReachRequestsHistory Table .....	2
KeywordAlternatives Table .....	5
Map_MediumType_TOM Table .....	5
Synonyms Table .....	5
<b>Modified Tables in the Polaris Database .....</b>	<b>7</b>
AuthorityRecordsTable .....	7
POLineItemSegments Table .....	7
SupplierStaticData Table .....	8
Z3950\$KeywordSchemes Table .....	8
<b>New and Modified Tables in the Transactions Database .....</b>	<b>9</b>
SA_PurgePatronIDRunCounts Table .....	9
PolSupportMaintTableTwo Table .....	9
<b>Tables Deleted from the Polaris Database .....</b>	<b>10</b>

## New Tables in the Polaris Database

These tables were added to the Polaris database after Polaris 5.2.199:

- "BibliographicKeywordRelations Table" on page 1.
- "BNCLendingData Table" on page 1.
- "EXP\_CriteriaForPatrons Table" on page 2.
- "InnReachRequestsHistory Table" on page 2.
- "KeywordAlternatives Table" on page 5.
- "Map\_MediumType\_TOM Table" on page 5.
- "Synonyms Table" on page 5.

### BibliographicKeywordRelations Table

This table contains one row for each keyword/related-keyword pair.

Column Name	Data Type	Description
KeywordID	int	Identifies the base keyword
RelatedKeywordID	int	Identifies the related keyword
Likelihood	float	A floating point number between 0 and 1 that represents the likelihood the KeywordID is related to the RelatedKeywordID
HasCommonStem	bit	Indicates whether the keyword/related-keyword pair has a common stem

### BNCLendingData Table

This table contains data to be used by custom reports consumed by BookNet Canada. The data in this table is repopulated every time the SQL Job, BNC LibrarySDA, runs. The reports are named: **BRANCHDATA\_[SYS\_ABBREVIATION]** and **LENDINGDATA\_[SYS\_ABBREVIATION]**.

Column Name	Data Type	Description
BranchCode	nvarchar (15)	Abbreviation code from Polaris.Organizations.Abbreviation
CatalogueKey	int	BibliographicRecordID related to the transactions
EAN_ISBN13	nvarchar (0)	List (semicolon delimited, concatenated string) of all valid ISBNs related to the Bibliographic record. The values are from BibliographicISBNIndex.ISBNString and in descending order of BibliographicTags.Sequence

Column Name	Data Type	Description
Loans	int	Total number of check-out transactions at the transacting branch in the period
Renewals	int	Total number of renewal transactions at the transacting branch in the period
Holds	int	Current total number of Active (3) , Pending (4), or Located (18) holds found at the pickup branch
Copies	int	Current total number of items (copies) assigned to the branch from which the data is being reported. Items with any of these circulation status will be included/counted: In (1), Out (2), Out-ILL (3), Held (4), Transferred (5), In-Transit (6), Routed (18), Shelving (19).
CopiesOut	int	Current total number of items (copies) with the circulation status of Out or Out-ILL that are assigned to the branch from which the data is being reported
DateStart	datetime	The beginning datetime of the period that the data is collected
DateEnd	datetime	The cutoff datetime of the period that the data is collected

## EXP\_CriteriaForPatrons Table

This table is used by ExportExpress. It contains the patron level criteria used when exporting patrons.

Column Name	Data Type	Description
CriteriaProfileName	nvarchar (255)	The name of the criteria
CriteriaProfileDescription	nvarchar (500)	A description of the criteria
PatronSelectCritSQ	text	The SQL that comprises the criteria

## InnReachRequestsHistory Table

This table contains a historical archive of the InnReachRequests table. When the InnReachRequests entry is deleted, due to transaction completion or final clean-up, it is written to this historical archive table.

Column Name	Data Type	Description
CentralID	int	The Foreign Key reference to InnReachCentrals identifying the INN-Reach Central Server associated with this INN-Reach request. It comprises the Primary Key for this table along with InnReachTrackingID.
InnReachTrackingID	int	The TrackingID established by the associated INN-Reach Central Server for this request. It is used as a reference for all API

## Polaris Database Changes

Column Name	Data Type	Description
		messages associated with the request. It comprises the Primary Key for this table along with CentralID.
LastAPIMessage	int	The most recently received API message associated with this request
LastAPIMessageTime	datetime	The date/time the LastAPIMessage was received
PickupLocationCode	varchar (10)	The INN-Reach Pickup Location Code component of the Pickup Location. This code indicates the location for pickup. When it is associated with the Polaris site, it maps to the Branch organization.
PickupLocationPrintName	nvarchar (100)	The INN-Reach "Print Name" component of the Pickup Location. This is the field to display on pickup/routing slips as it usually contains both the Agency Code and the Library abbreviation (e.g. CMPL - Main).
PickupLocationDeliveryStop	nvarchar (100)	The INN-Reach "Delivery Stop" component of the Pickup Location. This field usually contains descriptive information on the location in the library where the hold is picked up (e.g., Hold Shelf 1st Floor).
PickupOrganizationID	int	The Polaris OrganizationID associated with the Pickup Location
PatronAgencyCode	varchar (5)	The INN-Reach Agency identifier associated with the patron who placed the request
ItemAgencyCode	varchar (5)	The INN-Reach Agency identifier associated with the item selected to fill the request
LocalItemType	int	The INN-Reach ItemType as defined at the local server associated with the item selected to fill the request
CentralItemType	int	The INN-Reach ItemType as defined at the Central INN-Reach server associated with the item selected to fill the request
CentralPatronType	int	The INN-Reach PatronType as defined at the Central INN-Reach server associated with the patron who placed the request
ItemBarcode	nvarchar (99)	The barcode of the item selected to fill the request
SysHoldRequestID	int	The Polaris unique identifier for the item-level hold that was created for filling the INN-Reach request. This request exists at the Lending Library.
ILLRequestID	int	The Polaris unique identifier for the ILL request that was created for filling the INN-Reach request. This ILL request exists at the Borrowing Library and is linked to the patron who placed the request.
PatronID	nvarchar (99)	The PatronID of the patron who placed the request. At the Lending Library, it is the PatronID from the remote system. At the Borrowing Library, it is the local Polaris patron who placed

## Polaris Database Changes

Column Name	Data Type	Description
		the INN-Reach hold request.
PatronName	nvarchar (99)	The name of the patron who placed the INN-Reach request. This field exists at the Lending Library to provide informational reference to the patron at the Borrowing library. In Polaris, a Virtual Patron is created to associate the patron with the request referenced by the SysHoldRequestID.
ItemID	nvarchar (99)	The Item Identifier for the item selected to fill the INN-Reach hold request. This should match the ItemRecordID at the Polaris Lending Library that will fill the request.
ItemRecordID	int	The Polaris unique identifier of the item filling the INN-Reach request. At the Lending Library, this is the physical item that is pulled to fill the request. At the Borrowing Library, this is the Virtual Item created for circulating the physical item provided by the remote library.
V_PatronID	int	The unique identifier of the Virtual Patron that was created at the Lending Library for the INN-Reach request. This field exists at the Lending Library to provide informational reference to the patron at the Borrowing Library site. This Virtual Patron is created to be associated with the SysHoldRequest that is created for filling the request. The Virtual Patron exists through the entire INN-Reach process of holds fulfillment and circulation.
Author	nvarchar (256)	The Author associated with the item INN-Reach has selected to fill the hold request. (This field is not required and may not exist for all item holds.)
Title	nvarchar (256)	The Title associated with the item INN-Reach has selected to fill the hold request. (This field is not required and may not exist for all item holds.)
BibCallNumber	nvarchar (256)	The Bibliographic Call Number associated with the item INN-Reach has selected to fill the hold request. (This field is not required and may not exist for all item holds.)
V_ItemTemplateID	int	The unique identifier of the item template that was used to create the Virtual Item for circulating the item at the Borrowing Library
PatronPhone	nvarchar (20)	The patron phone number as provided in the 100-Create Item Hold API message
ItemLocation	nvarchar (80)	The source location for the item as (optionally) provided in the 201-Item Shipped API message
Local	bit	Flags the request as being local to this system (both patron and item are associated with the local Polaris system)
PatronHomeLibrary	nvarchar	Name of the library at which the request is registered

Column Name	Data Type	Description
	(200)	

## KeywordAlternatives Table

This table contains one row for each term associated with one or more alternative terms.

Column Name	Data Type	Description
ReferenceID	int	Identifies the base term
Term	nvarchar (128)	Normalized base term
AlternativeTuple	varbinary	A tuple of alternative reference identifiers

## Map\_MediumType\_TOM Table

For internal use only. This table is used to map the MediumType in an ILL Request to a Primary TOM for format display. It has been embellished with additional TOMs in order to facilitate mapping from TOM to MediumType for future use.

Column Name	Data Type	Description
MediumType	int	ISO standard value which denotes the medium of the item.
MARCTypeOfMaterialID	int	MARC Type of Material value. Foreign key reference to MARCTypeOfMaterial table.
DefaultTOM	bit	When mapping MediumType to TOM, the row with this value set to 1 contains the default Primary TOM for the MediumType.

## Synonyms Table

This table contains one row for each term/related-term pair.

Column Name	Data Type	Description
Term	nvarchar (128)	Identifies the base term
RelatedTerm	nvarchar (128)	Identifies the related term

## Polaris Database Changes

Column Name	Data Type	Description
Likelihood	float	A floating point number between 0 and 1 that represents the likelihood the Term is related to the RelatedTerm



## Modified Tables in the Polaris Database

These modifications were made to existing tables in the Polaris database after Polaris 5.2.199:

- "AuthorityRecordsTable" on page 7
- "POLineItemSegments Table" on page 7
- "SupplierStaticData Table" on page 8
- "Z3950\$KeywordSchemes Table" on page 8
- "PolSupportMaintTableTwo Table" on page 9

---

### AuthorityRecordsTable

This is the main authority record table containing a single entry for each MARC authority record in the system. Additional contents of the record are contained in the AuthorityTags and AuthoritySubfields tables. The **LinkedBibcount** and **LinkedSeeAlsoCount** columns were added to this table.

Column Name	Data Type	Description
LinkedBibCount	int	Count of linked bibliographic records
LinkedSeeAlsoCount	int	Count of linked see also records

---

### POLineItemSegments Table

This is the main table used by the Purchase Order Line Item Segment object. The **SplitPOLISegmentID** column was added to this table.

Column Name	Data Type	Description
SplitPOLISegmentID	int	When a POLI Segment is split due to a partial invoice being received, this is a reference from the original POLineItemSegmentID to the newly split POLineItemSegmentID.

## SupplierStaticData Table

This table contains supplier data that is constant for a given Supplier SAN. It should not be changed by Polaris customers. The **VendorName** and **LogFileNameSuffix** columns were added to this table.

Column Name	Data Type	Description
VendorName	nvarchar (50)	Display name of the EDI vendor that appears on the report or log file
LogFileNameSuffix	nvarchar (50)	EDI vendor exported log file suffix

---

## Z3950\$KeywordSchemes Table

Reserved for internal use only. The **KeywordRelationsID** column was added.

Column Name	Data Type	Description
KeywordRelationsID	int	Reserved for internal use only

---

## New and Modified Tables in the Transactions Database

The new **SA\_PurgePatronIDRunCounts** transaction table was added and the existing **PolSupportMaintTableTwo** transaction table was modified. No results tables were added, modified, or deleted in this release.

---

### SA\_PurgePatronIDRunCounts Table

This new transactions table stores statistics related to removing patron information from transactions.

Column Name	Data Type	Description
OrganizationID	int	ID of the related organization
RunDate	datetime	Date run
FirstTranDate	datetime	Date of first run
LastTranDate	datetime	Date last run
TranCount	int	Count of affected transactions
HistoriesCount	int	Total count historically

---

### PolSupportMaintTableTwo Table

The new **IsRollBack** column was added to the PolSupportMaintTableTwo transactions table.

Column Name	Data Type	Description
IsRollBack	bit	Reserved for internal use only.

## Tables Deleted from the Polaris Database

These tables were deleted from the Polaris database after Polaris 5.2.199:

- SA\_PowerPAC\_Layouts
- Z3950\$DescriptorClasses
- Z3950\$QualifierFlags
- Z3950\$RelationalOperators