

ILLiad Database - Key Table Relationships

Users	
PK	UserName
	LastName FirstName SSN Status EMailAddress Phone Department NVTGC Password NotificationMethod DeliveryMethod LoanDeliveryMethod LastChangedDate AuthorizedUsers Staff Cleared Web Address Address2 City State Zip Site ExpirationDate Special Number UserRequestLimit Organization Fax ShippingAcctNo BillingCategory Country SAddress SAddress2 SCity SState SZip PasswordHint SCountry

Transactions	
PK	TransactionNumber
	Username RequestType LoanAuthor LoanTitle LoanPublisher LoanPlace LoanDate LoanEdition PhotoJournalTitle PhotoJournalVolume PhotoJournalIssue PhotoJournalMonth PhotoJournalYear PhotoJournalInclusivePages PhotoArticleAuthor PhotoArticleTitle CitedIn CitedTitle CitedDate CitedVolume CitedPages NotWantedAfter AcceptNonEnglish AcceptAlternateEdition TransactionStatus TransactionDate ISSN ILLNumber ESPNumber LendingString BaseFee PerPage Pages DueDate RenewalsAllowed SpecIns Pieces LibraryUseOnly AllowPhotocopies LendingLibrary ReasonForCancellation CallNumber Location Maxcost ProcessType ItemNumber LenderAddressNumber Ariel Patron PhotoItemAuthor PhotoItemPlace PhotoItemPublisher PhotoItemEdition DocumentType InternalAcctNo PriorityShipping Rush CopyrightAlreadyPaid WantedBy SystemID ReplacementPages IFMCost CopyrightPaymentMethod ShippingOptions CCCNumber IntlShippingOptions ShippingAcctNo ReferenceNumber CopyrightComp TAddress TAddress2 TCity TState TZip TCountry TFax TEmailAddress TNumber HandleWithCare CopyWithCare RestrictedUse ReceivedVia CancellationCode BillingCategory CCSelected OriginalTN OriginalNVTGC InProcessDate InvoiceNumber BorrowerTN WebRequestForm TName TAddress3 IFMPaid BillingAmount ConnectorErrorStatus

Tracking	
PK	TransactionNumber
PK	DateTime
PK	ChangedTo
	ChangedBy

History	
PK	TransactionNumber
PK	DateTime
PK	Entry
	Username

LenderAddresses	
PK	LenderString
PK	AddressNumber
	LibraryName Address1 Address2 Address3 Address4 BAddress1 BAddress2 BAddress3 BAddress4 Fax ArielAddress Phone PriorityShipping CopyrightPayer BillingExempt BillingCategory LibCopyCharge LibLoanCharge LibBillingMethod Notes EFTS NVTGC EMailAddress OdysseyIP OverrideIFM ISO ISOIPAddress ISORequestorId ISOUserNAme ISOPassword WebPassword Blocked

Notes	
PK	TransactionNumber
	NoteDate Note AddedBy NoteType

ReasonsForCancellation	
PK	ReasonNumber
PK	NVTGC
	Reason DefaultNote

LendingReasonsForCancellation	
PK	ReasonNumber
PK	NVTGC
	Reason DefaultNote OCLCCode DoclineCode RLINCode

GroupsLink	
PK	GroupNumber
PK	LenderString

Groups	
PK	GroupNumber
	NVTGC GroupName

One User Many Transactions

Transactions.Username = Users.Username

One Transaction Many Tracking Records

Transactions.TransactionNumber = Tracking.TransactionNumber

One Transaction Many History Records

Transactions.TransactionNumber = History.TransactionNumber

One Transaction One Library Address

Transactions.LendingLibrary = LenderAddresses.LenderString
AND
Transactions.LenderAddressNumber = LenderAddresses.AddressNumber

Many Notes One Transaction

Transactions.TransactionNumber = Notes.TransactionNumber

One Reason One Transaction

Transactions.ReasonForCancellation = ReasonsForCancellation.Reason

One Reason One Transaction

Transactions.ReasonForCancellation = LendingReasonsForCancellation.Reason

Many Addresses One Link
LenderAddresses.LenderString = GroupsLink.LenderString

Many Addresses <- - - -> Many Groups
(using a link table)

One Link Many Groups
GroupsLink.GroupNumber = Groups.GroupNumber

Legend
 PK = Primary Key
 Bold Fields = Required by Database