



USER DOCUMENTATION (ALEPHINO 5.0)

Upgrade Training – What's new

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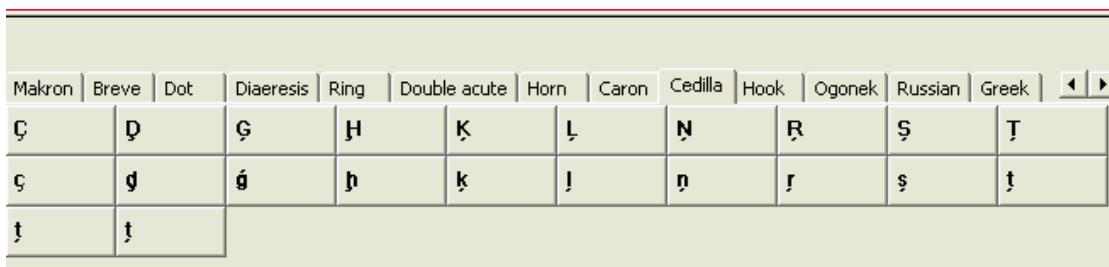
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1 Database / Server

1.1 Unicode (UTF-8)

The character set has been changed to Unicode (UTF-8). From version 4.0, Latin, Greek, Cyrillic and any other characters could be saved and indexed in the database. In the cataloguing module, the Alephino Keyboard can be used to enter specials characters. The Alephino Keyboard is a utility that displays a virtual keyboard on your screen. It enables you to insert characters that are not present in your workstation's standard keyboard. To use the Alephino Keyboard in the Cataloguing module, follow the process described in this step-by-step example:

1. From the Cataloguing menu, select the Activate Keyboard option, or use the shortcut key Ctrl+K, or click the Activate Keyboard icon  from the Cataloguing bar. The Alephino Keyboard is displayed in the lower pane:



2. Choose the appropriate tab and type text by clicking on the corresponding on-screen character keys. The characters selected from the keyboard are automatically inserted into the cataloguing record being edited. These characters are added to the record at the cursor's last position.

Deactivate the virtual keyboard by clicking **Close**, or by selecting the **Activate Keyboard** option from the Cataloguing menu, or by clicking the **Activate Keyboard**  icon from the Cataloguing bar.

Instead of using the Keyboard you can decide to enter the Unicode value directly. This may be faster when you only need to use a few special characters. The Unicode values can be entered after selecting the **Edit text menu or using the F11 shortcut key**, and to finish, you must select the Enter Unicode Values option again or use the F11 shortcut key. The status bar displays a message to indicate that the user is currently working with the Enter Unicode Values option.



When placing the mouse pointer over a character in the catalog record - after about two seconds - a ToolTip appears above the character displaying the character's Unicode value identified by the hexadecimal representation of its Unicode number prefixed with a U, for example, U+0041 for "A".

Along with the Unicode implementation, the index length in the database has been expanded to 128 characters.

1.2 Database system enhancements

The built-in database and its save/recovery mechanisms have been optimized. With that Alephino does now support large databases. Database files > 2 GByte will automatically be splitted.

1.3 Windows 7 support

The Alephino server as well as the GUI components are now compatible with current Microsoft Windows Versions "Windows 7, Windows 8" and its "Windows Server"-derivates respectively. That means that the installation routines of Alephino are designed to take into account the characteristics of the organization of 32-bit applications on 64-bit Windows systems.

2 GUI

2.1 Bersoft 'HTML-Print'

The program 'Bersoft HTML Print' has been implemented. HTML Print enables the user to access different printers dependent on the print function name. For example, letter to borrowers and loan receipts should be printed on different printers within the network.

To implement HTML-Print follow these steps

- 1) Add the following parameter to file **alephcom/tab/alephcom.ini**, label **[Print]**:

```
[Print]
SaveHistoryNumberOfDays=2
DefaultPrintConfig=0
TempDir=C:\temp\alephino
TempFileCounter=20
HTMLPrint=Y
```

If only the default printer at the respective PC shall be used, this is already sufficient. However, if you want to assign the various printouts generated from Alephino to custom printers, for example, for Loan receipts a POS printer producing receipt strips, while for letters a laser printer processing A4 sheets, follow the procedure described below:

- 2) On start from Alephino GUI subdirectory **alephcom/bin** the **HTMLPrint.exe** will detect every printer that is accessible from the local PC and show them all on the start screen:

Printers names and numbers :

0:\de-iapps02\KONICA MINOLTA C360SeriesPCL

1:\de-iapps02\TOSHIBA e-STUDIO Series Fax

2:\de-iapps02\TOSHIBA e-STUDIO4520CSeriesPCL6



- 3) The names of printers to be used for Alephino printouts have to be published and therefore added to section **[PrinterDeviceList]** in file **alephcom/tab/alephcom.ini**. In the process leading server names resp. server addresses have to be left out:

```
[PrinterDeviceList]
Device01=TOSHIBA e-STUDIO4520CSeries PS3
Device02=KONICA MINOLTA C360SeriesPCL
```

- 4) The Device number of the printer has to be added to the print.ini – files that are specific to every GUI client. Please make sure that the device number has to be added in the form “DEVICE hyphen number” (see column 6.1), i.e.:

..//circ/tab/print.ini

!	1	2	3	4	5	6.1
-----	-----	-----	-----	-----	-----	-----
LoanReceipt		00	N	P	loanrcpt.prn	DEVICE-01
BorLetterLIST		00	N	P	brltrLST.prn	DEVICE-02

2.2 GUI help based on ‘HTML help’

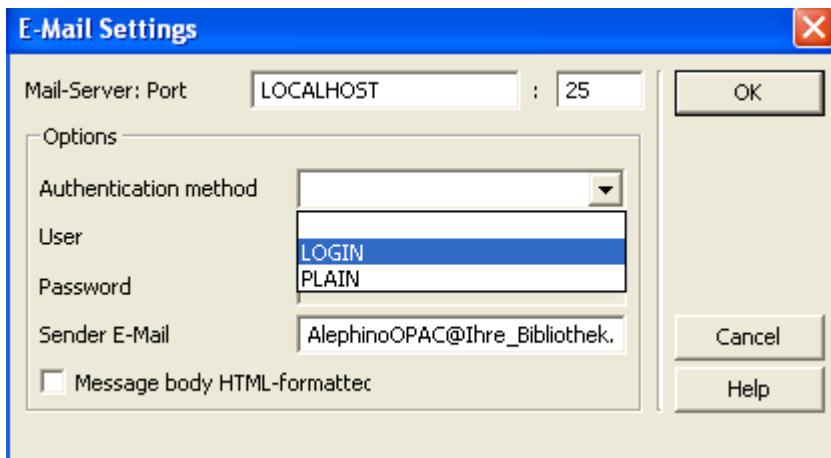
The GUI help has been changed and is now based on ‘HTML help’. This makes sure that Alephino GUI help is compatible with Windows Vista.

2.3 SMTP-Auth support

Alephino supports SMTP-Auth protocol according to RFC 4954 when sending emails by the GUI clients.

2.4 Email configuration interface

Integrated in the cataloging module, a new configuration interface can be used to configure email settings. To open the interface, select ‘Email-Settings’ from the menu ‘Alephino / Options’. The following window appears:



Email server often require authentication (user and password). In Alephino, the authentication methods LOGIN or PLAIN can be used. If you want to use the SMTP Auth protocol, you first need to add the following parameter to the label [Mail] in `../alephcom/tab/alephcom.ini`:

UseSecureSMTP=Y

In the E-Mail Setting window, enter the following parameter:

Server – enter the IP address or host name of the email server

Port – enter the port number of the email server if it is different from port 25

Authentication method – select LOGIN or PLAIN. Please ask your administrator if you are not sure.

User and Password – enter valid user and password information for accessing the email server. This information is saved encrypted.

Sender E-Mail – enter the email address which should be used as the senders' address for Alephino messages.

Message body HTML-formatted – activate the checkbox when the body of the message should be in HTML. Otherwise the message body will be sent as attachment.

2.5 Automatic Start of Print Daemon

Print Daemon can be started or stopped automatically.

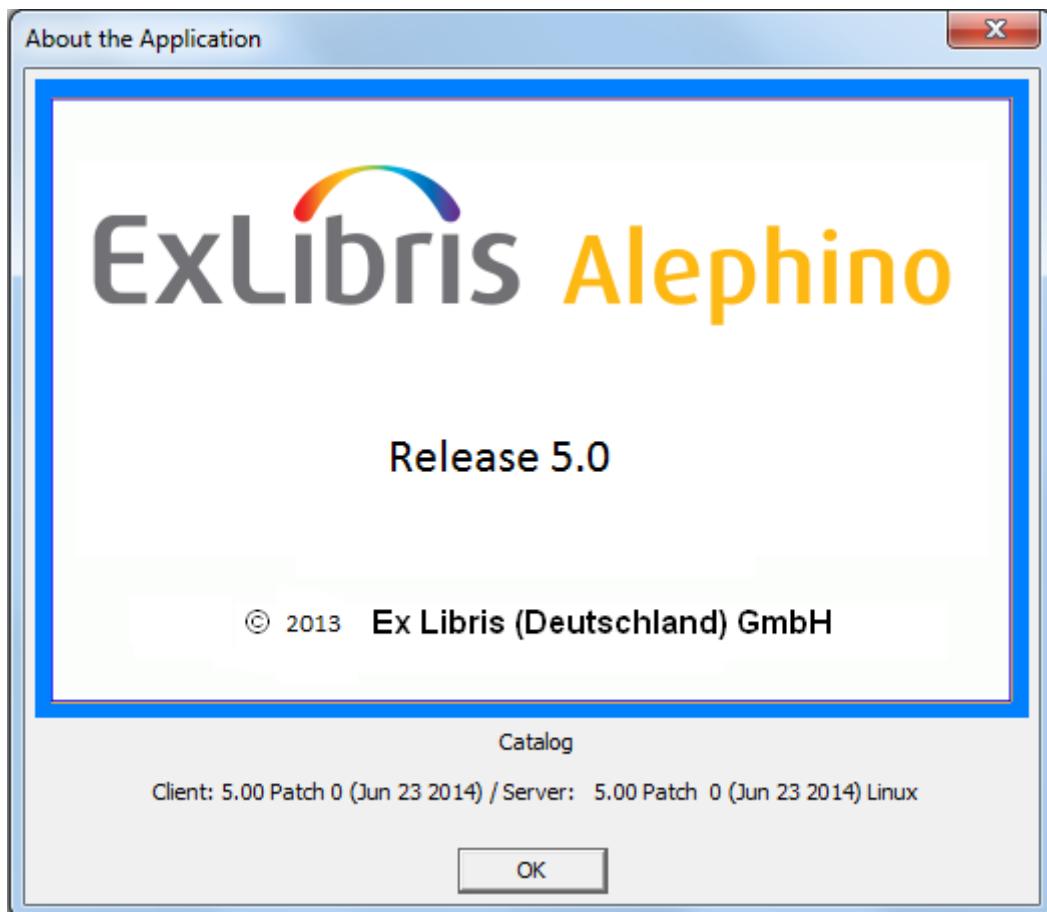
File `../alephcom/tab/alephcom.ini`

```
PrintdAutoActivate=Y  
PrintdAutoDeactivate=Y  
Libraries=M-TIT
```

In this example the print daemon will be started for database M-TIT automatically when the first module in Alephino is started. The daemon will be stopped when the last module will be closed.

2.6 Help→About

The option Help->About from the help menu shows detailed information about program version status and service pack level.



3 Cataloging

3.1 Sort of subfields (MARC21 version)

When processing bibliographic- and authority records on the server, subfields are not sorted automatically anymore, but rather kept in the order they have been entered before.

Exception:

If the field in question represents a link to an authority or subject record, it always contains subfield **L** on top of the subfield list, followed by the list of subfields inherited from the respective linked record. If there are further subfields not included in the linkage they will follow. In a case like this (mixed subfields from linkage and local ones) they appear in groups and hence the result will not necessarily represent the overall original input order.

E.g.:

Personal Name 100 1 L 000001599
a Abecasis-Phillips, John A. S.
e Ed.
d 1897-1967

Subfields L and a are from the authority record, subfields e and d are only in the bibliographic record.

3.2 New function F4

In addition to the „Search Field Headings“-functionality (F3 resp. Ctrl_F3) serving to support the creation of Alephino-links via subfield \$L the „**Search Subfield Headings**“ (F4) was re-introduced. It works different from Aleph indeed: If the index-aspect defined in file „scancode.dat“ has a \$ (Dollar sign) at the end, the creation of the Alephino link-tag \$L will be suppressed. This way the function can be used simply to copy an index entry into specific subfield. The subfield to be filled depends on the source tag in case of a foreign index available via a link definition. (Default is subfield \$a.)

E.g. Tag 260 in scancode.dat

```
260##a PLP$  
260##b PUP$
```

It is now possible to use the index of special subfields (Col. 2) for the display of the index: (F4 in subfield b)

Imprint 260 *JOHN A. S. ABECASIS-PHILLIPS, JR. BY JUNPER TATEMURA.*
a Bayreuth ;
a Okayama :
b Abecasis,

Physical Descr.

Subj. Geo.term

1. Messages | 2. Ta

Heads in Library: M-TIT - Code: PUP\$

entry	text
ABECASIS,	Abecasis,
AGI ,	AGI ,
AKA,	Aka,
ALBERTO ELIA GALERIA DE ARTE ,	Alberto Elia Galería de Arte ,
APOLLO BOOKS,	Apollo Books,
ARNOLDO MOEN ,	Arnoldo Moen ,
ART GALLERY INTERNATIONAL ,	Art Gallery International ,
ART GALLERY INTERNATIONAL ,	Art Gallery International ,

OK
Jump to
Expand
View Docs

3.3 New parameters for configuration in/etc/marclink.int

There are two new parameters for defining subfields in/etc/marclink.int. The parameters are:

SUB=Y

and

SUBLINK= 'list of subfield codes to be included in the linkage'

If you configure **SUB=Y** all subfields from the bibliographic record will be transferred to the linked authority or subject record and vice versa, provided that their codes are known for both – the source and destination – record.

Example: Subject heading with parameter SUB=Y

```
...
LINK=14,FILE=13,LIST=120,REFTAG=150$a,DESTREC=NEW,
LINKTAG=titlink14,SUB=YES
```

Leader	LDR	-----nz-----n-----
Control No.	001	000002114
Not in Table	002	200910023
Date and Time	005	20100217182551
Fixed Data	008	----- --ann---- --- --- ---
Topical Term	150	 a ARTISTAS ESPAÑOLES-SIGLO 20 x Artist z Argentinia

If you put in tag 650 in bibliographic record with subject heading, all subfields from the linked record will be taken into the bibliographic record.

```
Subj. Top.term      650 14 L 000002114
                           a ARTISTAS ESPAÑOLES-SIGLO 20
                           x Artist
                           z Argentinia
```

If you only want a few subfields to be transferred from/to the bibliographic record, you can define this by use of parameter SUBLINK=

Example: All subfields from the linked author should be taken into the bibliographic record except for subfield e.

Entry in/etc/marmlink.int

```
...
*** Names ***
LINK=5,FILE=12,LIST=110,REFTAG=100$a,DESTREC=NEW,LINKTAG=titlink05,I
NDIC=YES,SUBLINK='abcdfgjklnpqtu'
```

Example authority record:

```
Leader      LDR  -----nz-----n-----
Control No. 001  000001869
Not in Table 002  20091002
Date and Time 005  20100217184231
Fixed Data  008  -----|--nn----|||||---|||---|||---|
Personal Name 100  1   a Walker, Peter.
                           d 1897-1945
```

Example bibliographic record:

Personal Name **100 1 L 000001869**
 a Walker, Peter.
 d 1897-1945
 e Ed.

Subfield a and d are taken from the authority record while subfield e still remains locally in the bibliographic record.

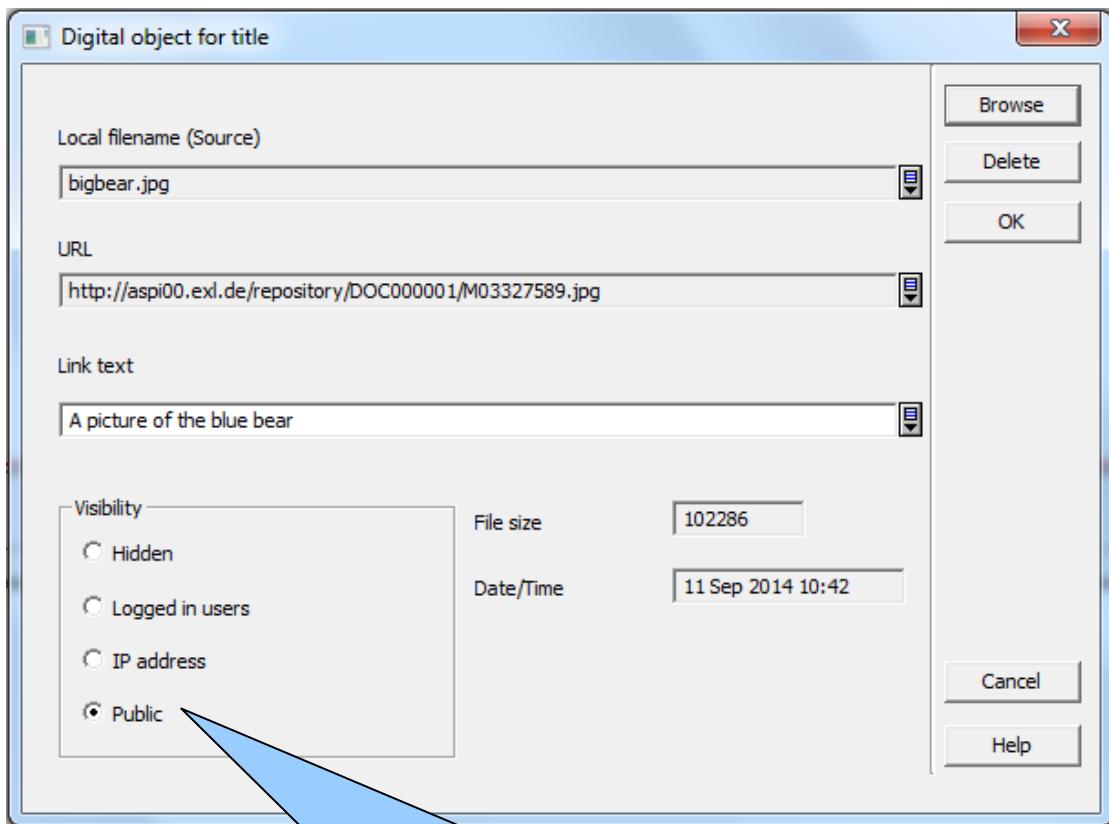
Be aware: If you define SUB=Y all subfields from the authority record would be taken into the bibliographic record. It is not possible to create the subfields only in the bibliographic record. If you created the subfields in former times in your bibliographic records you should not use SUB=Y. If your authority records are filled with this subfields you should use SUB=Y in order to have them reflected in your bibliographic record.

3.4 Digital objects

A digital object (image, text document etc.) can be added to bibliographic and/or item records in a convenient way. The respective document file will be transferred to the server and there stored in an automatically organized directory structure (digital repository).



In contrast to the well known method where URL-fields are used for linkage to external documents the library staff must not care about the organisation of electronic documents by use of adequate directory structures, unique file names and eventually the validity of URLs referring to objects.



The visibility of objects with the title full display in Web OPAC can be controlled by specific permission switches.

The 13 1/2 lives of Captain Bluebear :	
Digital object	A picture of the blue bear
LC Control No.	2008540173
LC Call No.	PT2673.O293 A61313 2000
Personal name	Moers, Walter, Personal dates: 1957-
Uniform title	13 1/2 Leben des Käpt'n Blaubär. English
Main Title	The 13 1/2 lives of Captain Bluebear : being the demibiography of a seagoing bear ... and excerpts from the 'Encyclopedia of the marvels, life forms and other phenomena of Zamonia and the its environs,' by Professor Abdulla Nightingale / Walter Moers ; translated by John Brownjohn.

Fig.: Representation of the object in OPAC full title display

4 Acquisitions

4.1 Web services: Invoices report

A new web service has been added to the Acquisition's web services: it's an invoices report which contains information about any invoice handled by Alephino and provides the following information: invoice number, vendor name, invoice date, total amount, paid status date & price, and a list of the linked line items with net amount, order number and budget information. Filters like vendor name, invoice date, payment date, invoice type and status may be used.

Invoice report

Vendor code |

Invoice date from to

Payment date

Filter Invoice Open
 Credit All Paid All

Sort by

Header

Output format

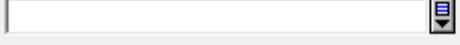


4.2 Binding

So far, the support of binding was limited to the ability to select any copies of the list. The selection of binding booklet copies from an extensive list that spans several magazines vintages and volumes, was a rather laborious undertaking. Added to this was that not only already inventoried, so received copies, but also all expected were offered to binding.

Now, the possibility was created to make an automatic pre-selection of the purposes of the binding management matching specimens, with only actually existing, received booklets are taken into account.

In the context of the publication schedule the binding cycle can be defined:

1. Information	2. Issues Text
Year (Chrono. i):	2015
Volume (Enum. a):	48
Issue No. (Enum. b):	1
Part (Enum. c):	
Issue Date:	04/02/2015 
New Volume Every	1  Y 
New Issue Every:	2  M 
No. Issues per Vol.:	6
No. Issues per Cycle:	6
Description:	Volume \$V(\$Y), Issue \$I
Note:	
Bind cycle <input type="radio"/> Per Volume <input checked="" type="radio"/> Per Year <input type="radio"/> Free choice	

When triggered, the "binding" from the copy list all those copies are automatically summarized, the same year (or volume) members as the currently selected list item.

4.3 Web service: “Ready-to-bind volumes” report

A report on all bind mature Magazines volumes can be generated in the following way at any time:

Subscriptions <ul style="list-style-type: none"> Subscriptions report Subscriptions to renew Claim issues Ready-to-bind volumes  	Ready-to-bind serial items <hr/> <p>Filter by</p> <p>Sub-library CL</p> <p>Year </p> <p>Format type  HTML-Table</p> <p>  </p>
--	---

5 Items / Circulation

5.1 RFID support

RFID labels for media and borrower cards can be written and read (new) by Bibliotheca Scanners.

5.2 Delete items

Deletion of items has been made more comfortable. Items can be deleted including existing loan transactions as long as these are in status "available".

5.3 Hold request filled message via SMS

In addition to „hold request filled“ notifications as printout or email this type of message can now also be sent via SMS. (SMS-gateway able to relay HTTP messages is needed.) For configuration details pls. see documentation „Alephino server configuration“, section „SMSGate“.

5.4 Statistical reports

Holdings statistics (media or borrower) count new/deleted records on a monthly basis. Before, it was yearly. Additional, user can decide alternatively to enter a specific period.

Item statistics by material type

year month

- alternatively -

period from (YYYYMM) to (YYYYMM)

material type

Sublibrary

output format



5.5 Hold request hits

In addition to the well known „Loan hits“ a „Hold request hits“ report is available. With that the indication of new acquisitions can be proven.

Hold request hits

Year

No. titles

Material type

Sub-library

Output format



5.6 Graphical presentation of statistics reports

Selected reports can be displayed a graphical way using „GoogleCharts“
The respective chart will be build by clicking the pie icon available with some
table headers.

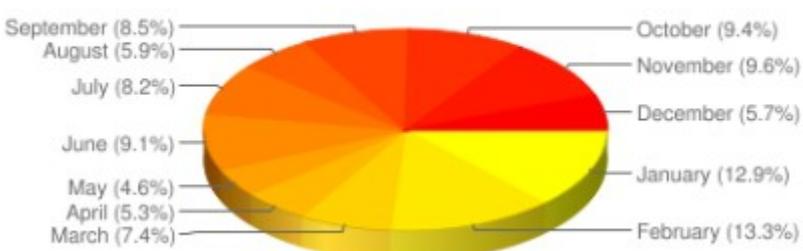
Circulation statistics as at 10/18/2011

NAME : CIRC POOL : M SUBLIB : ZB FILE

time	loans	in %	renewals	in %
01	99	12.9%	9	5.5%
02	102	13.3%	17	10.3%

Please note that this function is available for any other Web browser than Microsoft Internet Explorer.

Loans per month



5.7 Configuration

The following configuration settings have been implemented for circulation:

Loan history

The number of loan transactions saved as loan history can now be configured.

The parameter is called "LoanHistory" and has been included in the file

..../etc/alephino.cfg.

Standard value is 1 so it was before; means only the latest loan transaction will be saved by the system.

```
(Limits)
MaxPrintList = 100
* History depth
*LoanHistory = 3|
```

OPAC-Selfcheck (Loans and Returns)

In case that OPAC selfcheck functionality is used in your institution, you can decide whether you want to suppress system checks that are regularly executed during a loan and return of an item. The parameter is called "ForceSelfService" and has been included to/etc/alephino.cfg. "Y" is the standard value, means checks are suppressed.

```
(Circulation)
...
HoldAvail = N
ForceSelfService = Y
```

5.8 Circulation Web Services

Claim report

The claim report shows you a list of loan transactions that have expired the due date and will be claimed in future, or already have been claimed in the past. The report now contains a new parameter "requested" which allows you to filter out those items that have at least one valid hold request assigned to bibliographic- or item record.

Claim report

overdue period	<input type="text"/>	<input checked="" type="checkbox"/> requested
filter by	without filter	<input type="text"/>
sub-library	ZB	
sort by	due date	
output format	HTML-Table	



Delete expired requests

The service „Delete expired requests“ got a new checkbox „Create notifications on deletions?“. You are able to decide whether you want the system to create notifications (letters or emails) for borrowers informing them about the deletion. The relevant print file **reserved.[jobno.]** will be saved on the server (directory print). As usual the file can be transferred to the client by using the Alephino task manager. From there, letters can be printed and emails can be sent to borrowers.

Delete expired requests

requests Create notifications on deletions ?

sub-library



6 OPAC

6.1 Facets for narrowing OPAC search results

Based on the first 1000 search results facets are built and displayed on the left side next to the search results short list. Up to 5 different facets can be defined depending on the customer specific use of the Alephino database. With that the user may be guided in the process of narrowing search results in a convenient way.

Personal name	Corporate name
Money, John, (6)	Great Britain. (37)
Keynes, John Maynard, (5)	United States. (10)
Money, D. C. (5)	Banque de France. (6)
Meston, Dougall Meston, (4)	England and Wales. (4)
Money, Leo George Chiozza, (4)	University of Oxford. (4)
Subject/Topical Term	Year of Publication
Money. (86)	1998 (147)
Monetary policy. (21)	1997 (102)
Banks and banking. (13)	1996 (43)
Finance, Personal. (12)	1999 (28)
International finance. (11)	1969 (20)

6.2 Localization services

Google Books and Amazon Search has been implemented in OPAC. From the record's full view (standard or isbd) you can use the Google books or Amazon button send a query with record information to Google books or Amazon. The localization service can be expanded up to 5 different targets (including the pre-configured ones).

The screenshot shows a library catalog record for the book "The runaway jury / John Grisham". At the top, there are buttons for "Add to basket", "Save/e-mail", "Google Book Search", and "amazon". Below the buttons, the record number is "Record 3 of 31". The book cover is shown with the title "The runaway jury / John Grisham.". Record details include DDC class. number 813.54 21, Personal name Grisham, John., and Main Title The runaway jury / John Grisham.. Below the record, a Google Books search interface is displayed, showing the book cover and basic information: John Grisham, 4.5 stars from 856 reviews, published by Arrow in 1997, with 484 pages. A brief description of the plot is provided.

6.3 „Did-you-mean“

„Did you mean“ functionality has been implemented in OPAC. The Spelling suggestion taken from “Google toolbar” is used in case that no target record has been found in the database. This is configured in **etc/alephino.cfg**, label **(Spell)**.

Simple search

Did you mean ?	"Massachusetts"	Google
Enter one or more words	<input type="text" value="Masachussets"/>	
Search aspect	<input type="button" value="All fields"/> <input type="button" value=""/>	
Words adjacent?	<input checked="" type="radio"/> No <input type="radio"/> Yes	
<input type="button" value="OK"/> or <input type="button" value="Discard"/>		

Hint: Unfortunately, Google has shut down without replacement in April 2013 its previously free access impeccable service. A comparably easy to use and also free alternative is currently not known.

6.4 Catalog enrichment (images)

Images (i.e. Cover) which are combined with bibliographic records can be displayed in the OPAC full view together with the record information (standard and isbd.) In the BIB records, the tag „COV“ (Cover) can be used to enter URLs to images which are stored in the file system or on an internet server.

Personal Name	<u>100</u> <u>1</u> <u>d</u> 1964-
	<u>L</u> 000007796
Main Title	<u>245</u> <u>10</u> <u>a</u> Angels & demons /
	<u>c</u> Dan Brown.
Varying Title	<u>246</u> <u>3</u> <u>a</u> Angels and demons
Imprint	<u>260</u> <u>—</u> <u>a</u> New York : <u>b</u> Pocket Books <u>c</u> c2000.
Physical Descr.	<u>300</u> <u>—</u> <u>a</u> 430 p. : <u>b</u> maps ; <u>c</u> 25 cm.
Electr. Access	<u>856</u> <u>42</u> <u>3</u> Publisher description
	<u>u</u> http://www.loc.gov/catdir/description/simon031/99087852.html
Electr. Access	<u>856</u> <u>42</u> <u>3</u> Contributor biographical information
	<u>u</u> http://www.loc.gov/catdir/enhancements/fy0707/99087852-b.html
Electr. Access	<u>856</u> <u>41</u> <u>3</u> Sample text
Electr. Access	<u>856</u> <u>41</u> <u>u</u> http://www.loc.gov/catdir/enhancements/fy0707/99087852-s.html
Book cover	<u>COV</u> http://upload.wikimedia.org/wikipedia/en/5/5f/AngelsAndDemons.jpg
Language (008)	<u>LNG</u> <u>—</u> <u>—</u> 991

Record 1 of 1

Previous Record	Next Record								
Book cover									
Angels & Demons									
<table border="0"> <tr> <td><u>Personal name</u></td> <td>Brown, Dan</td> </tr> <tr> <td><u>Main Title</u></td> <td>Angels & Demons</td> </tr> <tr> <td><u>Imprint</u></td> <td>New York: Pocket Books c2000</td> </tr> <tr> <td><u>ISBN</u></td> <td>0671027352</td> </tr> </table>		<u>Personal name</u>	Brown, Dan	<u>Main Title</u>	Angels & Demons	<u>Imprint</u>	New York: Pocket Books c2000	<u>ISBN</u>	0671027352
<u>Personal name</u>	Brown, Dan								
<u>Main Title</u>	Angels & Demons								
<u>Imprint</u>	New York: Pocket Books c2000								
<u>ISBN</u>	0671027352								
Previous Record Next Record									



6.5 Emphasized title

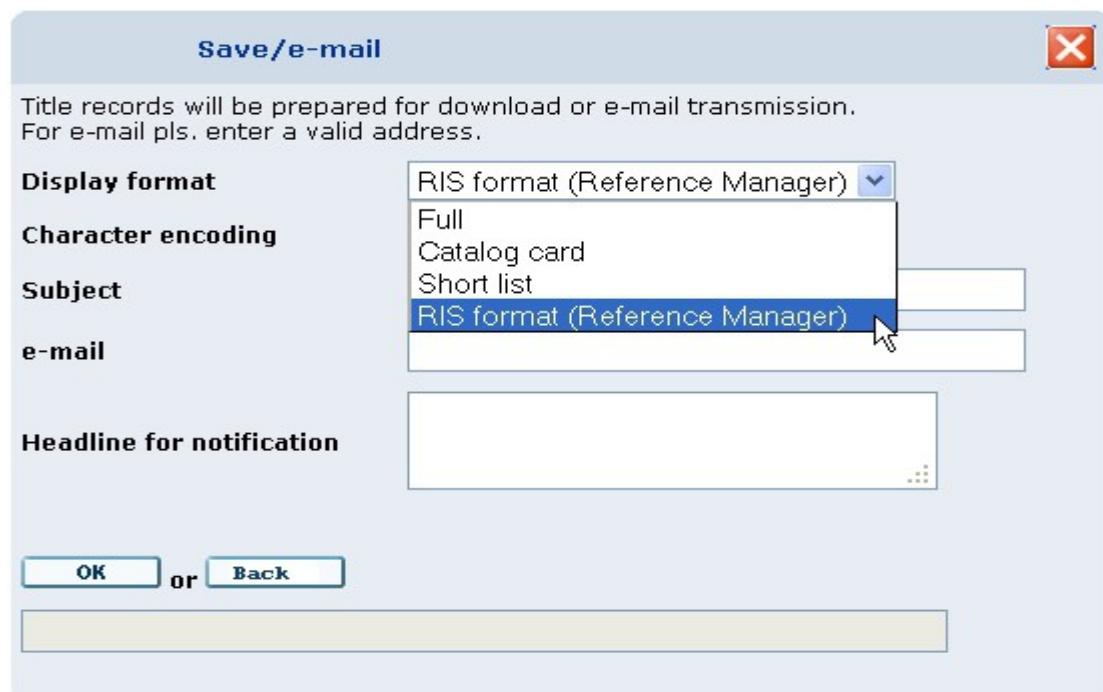
The main title as most important part of a bibliographic record will now appear emphasized at the top of the OPAC full record display.

6.6 „Virtual“ Book Covers

As outlined above cover pictures linked to the bibliographic record can be displayed with the full record display. For this the URL of the picture must have been added manually to the respective record. Provided that a public repository of cover pictures is known – as for Amazon - Alephino is now able to build a picture URL based on a pattern in combination with the data of the record that's currently displayed. When using the – preconfigured – Amazon URL pattern for the overwhelming majority of books that have a valid ISBN number a cover picture will be displayed automatically.

6.7 RIS format download

It's now possible to download records in RIS format. Either from the result list or from the full view of records, click on the button „Save/Mail“ and select the display format „RIS format (Reference Manager)“.



Click on „OK“. The button „Start Download“ appears afterwards and records can be saved in an *.ris file.

```
TY - BOOK
ID - 000008786
AU - Brown, Dan, Personal dates: 1964-
TI - Angels & demons / Dan Brown.
T2 - Angels and demons
T2 - New York : Pocket Books c2000.
PY - c2000.
M1 - 430 p. :
PB - Pocket Books
SN - 0671027352
UR - http://www.loc.gov/catdir/description/simon031/99087852.html
UR - http://www.loc.gov/catdir/enhancements/fy0707/99087852-b.html
```

6.8 Sending eMail to multiple recipients

When shipping the bibliography list via eMail multiple recipient addresses are possible. These have to be separated by semicolons.

6.9 Hiding serials items which are in order process

Serials items which are in the order process are not displayed in the items list anymore.

6.10 Pre-sort OPAC search results

The result list of BIB records can be pre-sorted. The parameter PRESORT can be set on three different values: Year (descending), Author then Title, Title then Year.

Pre-sorting can be configured in ..//etc/alipac.cfg:

PRESORT = Year

„YEAR“ is the name of the sort format which is configured in the same file:

(SortENG)
Year = -1,4 "; sorted by year, title (descending)"
Author = 3,4 "; sorted by author, title"
Title = 4,1 "; sorted by title, year"

Please note that pre-sorting is effective only up to a certain limit of sets. (According to the parameters MAXSORT section (webapp). Larger quantities of results appear unsorted. In this case the "natural" sort order is reversed to the order of data collection, ie, the most recently acquired titles appear at the top.

By default, sorting works up to 300 sets. Increasing the value is easily possible, but not always useful. We point out that the sorting is very accountable and time-consuming and leads to deterioration of response time behavior of the whole system.

6.11 e-Shelf

Once a user has logged in with his credentials at the OPAC, up to 200 entries of his title collection (basket, eShelf) are permanently stored. Otherwise, they expire with the closing of the session. It should be noted that only the permanent storage of databases held in Alephino records makes sense. Search results from external databases integrated via Z39.50, however, are volatile, because their identification key expires with the end of a search session, so the method does not allow subsequent reference to specific records.

7 Web Service Module

7.1 Log

The Logfile of the Web Service Module lists the latest 100 protocols of web services that have been executed. To view a detailed protocol file from the list of jobs in the log, click on the jobno. (left column). The number is a link to the protocol file.

[Show log](#)



000014	VEND_LIST	SYS	0000	31.08.2009	09:08:55	31.08.2009	09:08:55
000013	VEND_LIST	SYS	0000	31.08.2009	09:08:40	31.08.2009	09:08:40
000012	HOLD_LIST	SYS	0000	31.08.2009	08:55:52	31.08.2009	08:55:52
000011	SHUTDOWN	---	0000	28.08.2009	12:31:10	28.08.2009	12:31:10
000010	SHUTDOWN	---	0000	26.08.2009	12:24:27	26.08.2009	12:24:27
000009	NUMB_LIST	SYS	0000	26.08.2009	12:18:32	26.08.2009	12:18:32
000008	NUMB_ADD	SYS	0000	26.08.2009	12:18:25	26.08.2009	12:18:25
000007	TABLE_IMP	SYS	0000	26.08.2009	11:08:31	26.08.2009	11:08:34
000006	LICENSE	SYS	0000	26.08.2009	11:00:59	26.08.2009	11:00:59
000005	CHECK	SYS	0000	26.08.2009	11:00:34	26.08.2009	11:00:34
000004	SAVE →	SYS	0000	26.08.2009	11:00:13	26.08.2009	11:00:13
000003	SHUTDOWN	---	0000	26.08.2009	10:59:06	26.08.2009	10:59:06
000002	SHUTDOWN	---	0000	26.08.2009	10:55:54	26.08.2009	10:55:54
000001	EXECUTE	SYS	0000	26.08.2009	10:48:15	26.08.2009	10:49:03

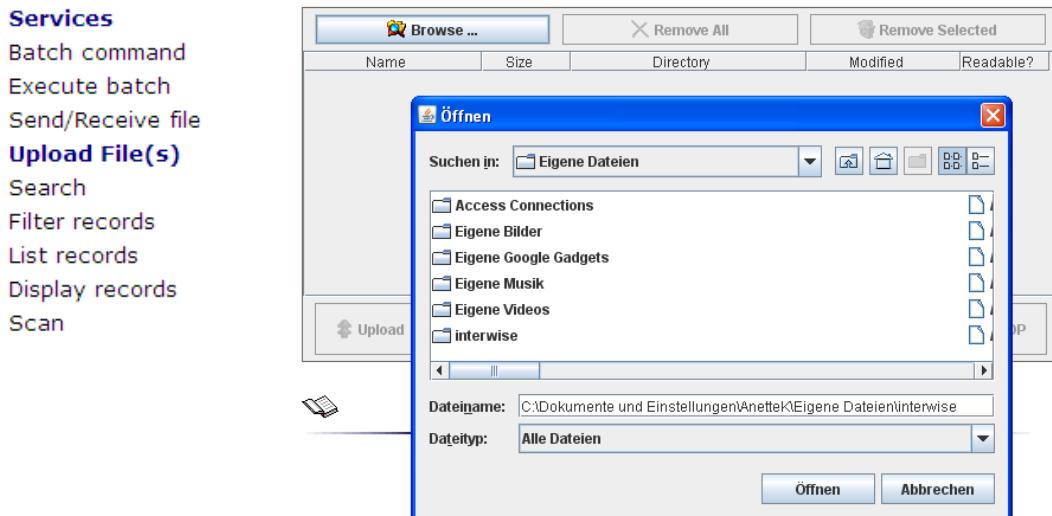
[Show protocol/data/adm_util.prt.0004](#)

job number:

```
JOB 000004 SAVE 2009/08/26 11:00:13 START
2009/08/26 11:00:13 POOL=M PATH=
Backup identifier file ..../backup/DDMARC.K01
Pool backup      ..../backup/DDMARC.S01
2009/08/26 11:00:13 RELEASE POOL=M
JOB 000004 SAVE 2009/08/26 11:00:13 END
```

7.2 Uploading files on Alephino server

A Java applet has been integrated into the Web Service Module, submenu Batch Utilities. This program allows you to upload files to the Alephino server. Data that should be imported, borrower data (PLIF format) or borrower pictures can be transferred to the Alephino server without using ftp.



7.3 Sending emails from print files

The category 'Extras' within the submenu 'Batch Utilities' contains three new services, one of them is a service for sending emails from print files. If it's not allowed to send emails from the workstations to external addresses, you can send emails directly from the server.

When you click on the link, Alephino shows you a list of those print files which contain at least one email. Select the print files and click on "Send".



7.4 URL Check

The new service URL Check validates URL addresses which are part of bibliographic and other records and checks whether the URLs are accessible. The check handles any URL that starts with 'http://'. The results of the check are listed afterwards.

Particularly in the internet there is no guarantee that a URL pointing to a specific document remains valid or even accessible. Thus, these URLs should be checked from time to time to ensure the consistency of the database.

Extras

Send e-Mail from printfiles

URL Checker

Browse printfiles

Check links to external URLs

Master file	<input type="text" value="Titles"/>
External link type	<input type="text" value="URL (HTTP protocol)"/>
Wait time	<input type="text" value="3"/>
Output format	<input type="text" value="HTML-Table"/>

Please consult the online help for setting the correct parameters.

The result of the URL Check is a report in table form covering all the URLs that have been detected as faulty or not accessible. In addition to the URL, the Alephino record identification number, the error code and more detailed information depending on the error type will be listed. Please find below a chart with all the error types that may occur:

Error type	Comment on error type
TOO LONG	URL longer than 1024 characters
INVALID PROTOCOL	Malformed URL
HOST_INVALID	Host address couldn't be determined
PORT_INVALID	Port number invalid or < 80
HOST NOT FOUND	Unknown host address
CONNECT FAILED	Server connection couldn't be established
TIME OUT	Time-out while waiting for readiness to send/receive
SEND FAILED	Error while sending request to the server
RECEIVE FAILED	Error while receiving reply from server
WRONG HEADER	Unexpected server reply - no http-header
HTTP STATUS	Status code according to HTTP protocol

7.5 Browse Printfiles

The new service „Browse Printfiles“ displays any report or print file and allows you to edit or delete these files. It happens sometimes that a timeout message of the browser appears although a service is still running – i.e. a statistical report. Displaying results directly after the service has been finished is not possible anymore. In this case, use the new service “Browse Printfiles” to display the result:

First, open the log to find out the relevant jobno. Then, browse the printfiles and look for the print file which has the jobno. as part of the filename (=extension).

Extras

[Send e-Mail from printfiles](#)

[URL Checker](#)

Browse printfiles

[Printfiles at the server](#)



View Source Delete	Filename	Texts	Size	Date	Time
	statborage.0083	0001	000001567	03/25/2009	17:14
	statborgrp.0082	0001	000001572	03/25/2009	17:13
	batchlist.0027	0001	000001180	02/25/2009	15:58

7.6 Calendar

Input fields (OPAC and Web Service Module) got a new calendar function. Click on the button next to the input field and a calendar window will be opened to select the date.

- alternatively -

period from (YYYYMMDD)

sub-library

output format





Kalender - Windows Interne...

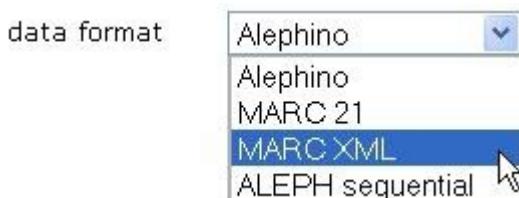
September 2009

Week	Mon	Tue	Wed	Thu	Fri	Sat	Sun
35		1	2	3	4	5	6
36	7	8	9	10	11	12	13
37	14	15	16	17	18	19	20
38	21	22	23	24	25	26	27
39	28	29	30				

Today is Thu, 3 Sep 2009

7.7 Data exchange / XML interface

In addition to the well known exchange formats MARC21, Aleph Sequential, and Alephino all types of Alephino data can now be unloaded and loaded into Alephino in XML compliant format. Pls. note that the MARC XML specification applies only to record types that meet the respective standards (i.e. titles and authority data), but not for any kind of administrative data.



7.8 Application of XSL-Transformation

The input screens for import or PLIF import were subsequently to the illustrated parameters supplemented. The name of an XSLT file (without prefix path and without extension .xsl) causes a corresponding preprocessing of the import file, the result of which initially the "native" Alephino XML format is generated. The XSLT file is expected to be located in the server directory etc/xslt. In this way, any data present in XML can be loaded in a single step into Alephino.

preprocessing by XSLT

valid in combination with XML formats...

7.9 PLIF-XML

Patron data can now be unloaded and loaded using the newly defined PLIF-XML format in addition to the well known text-sequential PLIF format which is still also supported. PLIF-XML is also available in combination with the online data interface.

PLIF import

Input file	<input type="text"/>	* mandatory
Data format:	<input type="text"/>	Sequential text
Ignore indicator:	<input type="text"/>	Sequential text
Preserve permissions:	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Search for doublets:	<input checked="" type="radio"/> Yes <input type="radio"/> No	

7.10 Functions for searching and navigation

To research any data types in the web service module you can now, as usual for the GUI, select search aspects from a drop-down list. The already previously existing possibility to formulate a search query by using logical operators, remains available with the option "CCL (Expert search)":

Search for records

Database (master-)file:

Search query:



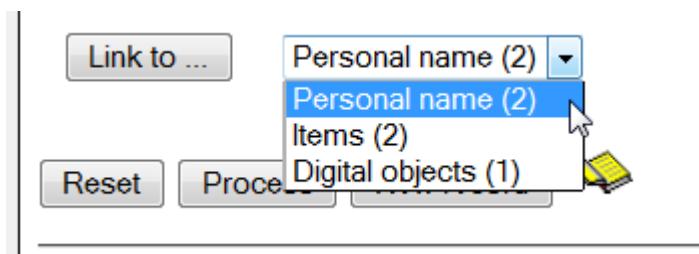
CCL (Expert search)

All fields
Names
All Subjects
Imprint
Titles
Title (Phrase)
Series
Series (Phrase)
Place of Publication
Publishing place (Phrase)
Publisher name
Publisher (Phrase)
Year of Publication
ISBN/ISSN
Identification no.
Language
Notes
Authors / Personal names
Authors / Keywords

Finally, navigate to detail view from the result of a set by clicking on the record number:

No.	Title
1/3073	The master cat; or Puss in boots. To which is added, the story of a man with a blue beard.
2/3073	True-blue: or, a letter to the gentlemen of the old interest in the county of Oxford. By an A----n.

All outgoing links from the current record you may navigate to by selecting from a drop-down list:



7.11 Web based data editing

The Alephino Web services have been fitted with an universal editor utility that allows registration, editing and deletion of any kind of Alephino records. In contrast to the GUI cataloging module it always works with the raw internal field format of the respective record type. Neither it provides (language specific) long names according to MARC standard fields for special processing of bibliographic data nor context sensitive or even field specific help functionality. On the other hand the Web based editor is not limited to a sub-set of records covering bibliographic data. Hence proper knowledge about the internal record structures and linkage between record types is absolutely necessary.

The editor can simply be invoked by hitting the „Process“ button available with the full record display:

Display record from current set

Number: [Previous](#) 2 / 24 [Next](#)

Format: [Full format \(Cataloging\)](#) oder:

[Reset](#) [Start](#) [Process](#) [New record](#)

SYSID	003268288
Control no. / ID	003268288 / UkoXU
Latest transaction	10/28/2010
NB no.	GB 97-36558
System control no.	BNB2447.432
DDC class. number	813.54 21
Personal name	Grisham, John.
Main Title	The runaway jury / John Grisham.
Imprint	London : Arrow, 1996.
Physical description	484 p. ; 18 cm.
General note	Originally published: London : Century, 1996.
ISBN	0099410214

With the button „New record“ an empty screen or a template for entering a new record will appear (provided that such a template has been defined for the respective record type). In contrast to the GUI the pre-definition of multiple templates for the same record type (i.e. different title types) is not possible.

Process record: M-TIT / IDN=003327589				
Tag	Indicators	\$Subfield	Data	Actions
LDR			01534cam 2200349 a 4500	
001			003327589	
002			20140917	
005			20140917150259	
008			080129s2000 enka 000 1 eng c	
035		\$a	(OCOLOC)ocm44483796	
040		\$d	BAKER	
041	1	\$a	eng	
		\$h	ger	
100	1	\$L	001545626	
		\$a	Moers, Walter,	
		\$d	1957-	
		\$d	1977	
Error		Subfield d permitted only 1 times		
240	1	\$a	13 1/2 Leben des Käpt'n Blaubär.	
		\$l	English	
Warning		Indicator 2 not allowed		
245	1 4	\$a	The 13 1/2 lives of Captain Bluebear :	
		\$b	being the demibioigraphy of a seagoing bear ... and excerpts from the 'Encyclopedia of the marvels, life forms &	
		\$c	Walter Moers ; translated by John Brownjohn.	
246	3	\$a	Thirteen and a half lives of Captain Bluebear	

Fig.: Web editor shows warnings and errors while storing a title record.

Pls. also consult the help page available with the yellow book icon for further help on the handling of the tool.

7.12 Online database interface

Originally developed for combining Alephino with Primo but nevertheless for universal use is the Alephino online database interface. With that all types of Alephino records can be searched and edited (including registrations and deletions) using XML formatted messages based on http requests. For further details pls. check out documentation „Alephino X-Services“.