

Documentation for PDF printer plugin (TobitProXL)

Version 2.4 - 17. jun 2008



Thank your for evaluating our PDF mailing/printing plugin.

Where to get the plugin:

<http://www.node.de/indexplug.htm>

System requirements:

4D Engine/Mono/Server/Client 6.8.x/2003.x/2004.x/v11
Windows 32 Bit Systems only (Win2K/WinXP/Win3K/Vista)
Sorry no Mac OS or OSX

Price Information for version 2.4:

Full versions:

4D Plugin light	€ 299,-	only the 4D plugin (requires additional pdf printer licenses for each pc). PDF-XChange (Standard) build 3.6 xxxx http://www.docu-track.com/buy/users/
Ideal for inhouse developers which doesn't need pdf features for client distribution		
4D Plugin pro + PDF Printer	€ 848,-	4D plugin with Royalty Free pdf printer driver license. (there are no extra license costs for each site or client) The PDF X-Change 3.0 printer driver works only called from the 4D Plugin, otherwise it works in demo mode . Distribution to your clients only inside compiled enduser applications.
Ideal for commercial developers which needs a cheap pdf solution for unlimited client sites. This version comes with Royalty free pdf printer driver for client distribution.		

Upgrade versions:

1.x light -> 2.x pro	€ 699,-	License Upgrade from 4D Plugin light version 1.x to 4D Plugin pro version 2.x.
1.x light -> 2.x light	€ 169,-	License Upgrade from 4D Plugin light version 1.x to 4D Plugin light version 2.x.
2.x light -> 2.x pro	€ 549,-	License Upgrade from 4D Plugin light version 1.x to 4D Plugin light version 2.x.
1.x pro -> 2.x pro	€ 389,-	License Upgrade from 4D Plugin pro version 1.x to 4D Plugin pro version 2.x.

European Buyers, adds the VAT (no VAT for international buyers)

What will you get:

- 4D Plugin (win only with mac4dx stubs)
- 4D sample database (6.8, 2003, 2004)
- Serial to unlock the plugin
- PDF X-Change 3.6 printer driver with silent install, to integrate within your installer (this is a commercial best selling, rock solid pdf printer driver, more information's <http://www.docu-track.com>) The distribution of the X-Change 3.0 printer driver is Royalty Free within your compiled enduser application. **(The light version of the plugin does not include the pdf printer license)**
- the PDF X-Change 3.0 printer driver works only called from the 4D Plugin, otherwise it works in demo mode. (If you buy the light version, the pdf driver always works in

EXPOSE
Wohn/Gewerbe

EXPOSE commercial
Gewerbe
Einzelhandel
Wohn/Investment

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BLZ 100 208 90
Kto. 262 82 44

Inhaber:
Armin Deeg

Sitz Berlin
Registergericht:
Berlin-Charlottenburg
HRA 39570 B

demo mode until you have unlocked the driver with a separately purchased serial from docu-track, then the driver suppresses the demo stamps)

Short feature list:

- automatic switching between printer/pdf driver (**4D 2004.x/v11 needs to call SET CURRENT PRINTER, see demo database**)
- collecting several print jobs and converting it into one pdf file (sets the pdf printer in idle mode to combine several print jobs and external documents into one pdf file, mixed print of 4D Draw, 4D Write, SuperReport, PrintList, 4D Chart, 4D Report ... is supported)
- ability to choose from different letter form pages for watermark background (first and following pages). Background files could be pictures or pdf files.
- set some pdf options (password, print, copy, change, annotations, title, owner, etc.)
- print pdf to smtp email with optional full styled html email text including pictures (the print job spooled into a temporarily pdf file and send the pdf to your smtp server without any user interaction, no 4d internet commands necessarily)
- print to MAPI email (the print job spooled into a pdf file and opens the standard MAPI mail client)
- print pdf to MS OutLook email with optional full styled html email text including pictures (the print job spooled into a temporarily pdf file and send the pdf into your MS OutLook mail client without any user interaction)
- send HTML E-Mail with HTML styled body to your smtp server [**FREWARE**]
- send HTML E-Mail with HTML styled body into your MS OutLook [**FREWARE**]
- download a web page to a txt file [**FREWARE**]
- set bookmarks during your pdf print jobs
- modify bookmarks within existing pdfs
- merge pdf files manually as an option
- convert external files to pdf
- delete pages from pdf files
- get some information about a pdf file (page count, protected, bookmarks, creator, keywords ...)
- just print what you want and get fantastic pdf results

Limitations for demo version:

- without a valid serial the plugin works only for 10 minutes

Version 2.4: What's new since 2.3 release:

- updated demo database
- updated node_outlook.dll for better compatibility with different MS OutLook Versions
- updated nodexchange.dll
- new command **TobitProXL_AddPDF** (adds an existing pdf into a current pdf creation process)
- changed commands **TobitProXL_EMail**, **TobitProXL_SimpleMail**, **TobitProXL_SendSmtp** (supports bcc recipients) and optional shows the Mail in MS OutLook for individual editing
- updated pdf printer driver version (build **3.6.0130**)

Version 2.3: What's new since 2.2 release:

- updated demo database
- updated node_outlook.dll for better compatibility with different MS OutLook Versions
- updated nodexchange.dll
- new pdf bookmark commands **TobitProXL_GetPDFBookmarks**, **TobitProXL_ClearPDFBookmarks**, **TobitProXL_SetPDFBookmarks** (modify existing pdf files to change the bookmarks)
- updated pdf printer driver version (build **3.6.0122**)

Version 2.2: What's new since 2.1 release:

- updated NodeXchange.dll (suppresses the from parameter while sending mails with OutLook/Exchange) This version uses now the default mail account to avoid incompatibility with MS Exchange
- updated NodeOutlook.dll (more compatible with different MS OutLook ServicePacks and MS Exchange) Tested with Windows Vista RC1 (works fine)
- updated pdf printer driver version (build **3.6.0108**, signed version for Windows Vista)

Version 2.1: What's new since 2.0 release:

- fixed demo database
- updated NodeXchange.dll (corrects multiple pdf print job)
- updated NodeOutlook.dll (more compatible with different MS Outlook ServicePacks)
- updated pdf printer driver version (build **3.6.0105**)

Version 2.0: What's new since 1.4 release:

- changed pdf dll initialization: it is now possible to run 2 4D apps with pdf function at the same time, the 1.4 version has to be restarted before
- grab a **web page** to an external txt file **TobitProXL_LoadPage**
- send simple e-mails (plain text or html) with **MS Outlook** (no Outlook Express)
- send PDF e-mails (plain text or html) with **MS Outlook** (no Outlook Express)
- noticeable speed improvement for the printer driver
- optional command **TobitProXL_AddFonts** (embed all used fonts into your pdf)
- new **pdf watermark** as background letter form page (additional to the optional background pictures, it is now possible to use pdf files as watermark for the resulting pdf also)
- support for formatted mail addresses like **MyName** <myname@mydomain.com> is now included
- new pdf_printer.exe (build **3.6.0104**) resolves a lot of bugs. **Note:** the new pdf_printer.exe must be installed on all existing clients, which currently use the 1.4 or earlier version.

Version 1.4: What's new since 1.3 release:

- bug fix for smtp html email sending
- noticeable speed improvement for the printer driver
- **changed dll** access: the plugin now loads the dlls from the installed pdf printer driver, you don't have to place the dlls inside the win4dx folder anymore.
- new pdf_printer.exe (build **3.4.0083**) resolves a lot of bugs. **Note:** the new pdf_printer.exe must be installed on all existing clients, which currently use the 1.3 or earlier version.

Version 1.3: What's new since 1.2 release:

- bug fix for 4D 2004 client/server, resolves the correct path to the plugin dlls
- improved demo database which some more samples
- new commands **DoInit, DoDeinit**
- new light plugin license, needs a additional pdf XChange printer license for each computer
- price drop for the pro version of the plugin
- new pdf_printer.exe (build **3.4.0079**) resolves al lot of bugs. **Note:** the new pdf_printer.exe must be installed on all existing clients, which currently use the 1.2 version.

Version 1.2: What's new since 1.1 release:

- bug fix on printing several print jobs into one pdf (delay problem)
- improved demo database which some more samples
- bookmark support fort the first page of every print job
- **changed command TobitProXL_Email(To;Cc;Subject)**
- new commands **TobitProXL_PdfDeletePages, TobitProXL_GetPdfInfos, TobitProXL_GetPdfPagecount, TobitProXL_GetPdfPWInfo, TobitProXL_SetBookmark**
- optional parameters to manually size the watermark picture within a given frame. (now also gif images works as watermark)
- sample Database for 4D 2004.x
- new pdf_printer.exe (build 3.3.0064) for compatibility with AMD 64 **Note:** the new pdf_printer.exe must be installed on all existing clients, which currently use the 1.0 version.

Version 1.1: What's new since 1.0 release:

- bug fix on sending emails
- improved demo database which some more samples

- fixes to the mac stub plugins
- new pdf_printer.exe (build 3.3 0062) for improved Terminal Server and Citrix support.
Note: the new pdf_printer.exe must be installed on all existing clients, which currently use the 1.0 version.
- send simple html styled email (freeware version)
- optional parameters to manually size the watermark picture within a given frame. (now also gif images works as watermark). Changed commands:
TobitProXL_BriefbogenStandard, TobitProXL_BriefbogenSimple
- merge pdfs manually (normally the plugin does it for your during printing several print jobs to the plugin, but sometimes you like to merge existing pdfs into the newly created ones)
- bug fix on using terminal or Citrix systems

How to install:

Download the final version **pdf_printer.zip** and expand the archive to this directory:
"c:\PDF_Printer\" on your system volume.

Inside this folder you'll find

- pdf_printer.pdf (this documentation)
- pdf_printer.exe (the pdf X-change printer driver with silent install). **You have to install the printer driver before you can test the demo.**
- pdf_demo_68 directory (4D 6.8.x source with demo code, to try this you have to install the **pdf_printer.exe**)
- pdf_demo_2003 directory (4D 2003.x source with demo code, to try this you have to install the **pdf_printer.exe**)
- pdf_demo_2004 directory (4D 2004.x source with demo code, to try this you have to install the **pdf_printer.exe**)
- pdf_dll_distribution dll distribution directory. This directory contains 2 dlls which have to be placed inside your win4dx folder. The needed dlls are: (NodeXChange.dll and NodeOutLook.dll) Please place also the TobitProXL.4dx and TobitProXL.rsr inside your win4dx folder.

Note: If you have previously installed the 1.4 or earlier version, you have to reinstall the new pdf printer driver **pdf_printer.exe** on each system! Restart is needed after updating the pdf printer driver.

Inside your Win4dx folders, you'll need these files:

place inside win4dx:

**TobitProXL.4dx, TobitProXL.rsr,
nodeXchange.dll**

(if you like to use the new MS OutLook E-Mail send function, you have to place also the **nodeOutLook.dll** inside your win4dx folder.

Plugin commands

`$err:=TobitProXL_PDFStart(File/Path)`

Initializes the pdf creation, switches from standard printer driver to the pdf x-change 3.0 printer driver.

File/Path:TEXT If you like to save the pdf as file, please give the full path as parameter. The pdf file creation have to finished with **TobitProXL_Save**.
 If you like to send the pdf via email, please give only the name for the attachment as parameter. The pdf file creation have to finished with **TobitProXL_Send** or **TobitProXL_Send Smtip**.

\$err:Long Return value
 0: OK
 1: PDF-Xchange printer not found
 2: PDF Filename missed
 3: distribution dll not found
 4: no valid license or demo license expired

Sample to create and save a pdf file:

```
$err:=TobitProXL_PDFStart („c:\mypdf.pdf“) `full path is needed
If ($err=0)
  `*** print something
  `*** close job, finish the pdf and reset the standard printer driver
  $err:=TobitProXL_Save
end if
```

Sample to create a pdf file and mail this with standard mapi:

```
$err:=TobitProXL_PDFStart ("mypdf.pdf") `only document name is needed (no
path)
If ($err=0)
  `*** print something
  `*** initialize to, cc, bcc and subject for mail
  TobitProXL_Email ("info@nodegmbh.de";"deeg@nodegmbh.de";"";"Test Mail")
  `*** initialize body text for mail
  TobitProXL_MsgBody ("this is the body text")
  `*** close job, finish the pdf call Mapi and reset the standard printer driver
  $err:=TobitProXL_Send
End if
```

Note: to suppress errors, please check that there is only one pdf printer driver installed which name starts with PDF-Xchange. current version „**PDF-Xchange 3.0**“ v3.6 Build 0130.

When using the **4D Print Form** command, 4D fails sometimes to properly toggle to the pdf printer driver.

For this reason, you have to integrate a 4D dummy form which stores the "PDF-XChange" printer driver settings. (Set the PDF-XChange Driver as default printer, start your application in design mode, create a dummy form, call FILE PAGE SETUP, save and close your form, quit 4d, reselect your default printer and try it out.)

To activate the dummy form you have to call the dummy form with this 4d command before you can print properly your Print Form layout.

PAGE SETUP([constants];"myPDF_dummyform")

If you like also to print 4D Print Form layouts in landscape mode, please ensure that you also create and call a comparable form inside your database.

If you like to print PDF files from other 4D plugins, please have a look on our sample database how to print from 4d Write. Maybe some 4D plugins like 4D Draw, Chart etc. should be printed from offscreen areas to force 4D to use the PDF printer driver.

Due to a 4D 2004 issue, you may have to switch the pdf printer driver manually, cause 4D 2004 doesn't recognize the printer switch from the plugin. To switch the printer manually you have to call **set current printer**("PDF-XChange 3.0").

\$err:=TobitProXL_Save

Saves and closes the pdf file creation initialized with **TobitProXL_PDFStart**
Restores the standard printer driver

Sample:

```
`*** start pdf creation and switches the printer driver
$err:=TobitProXL_PDFStart ($PDFpath) ` full path is needed
If ($err=0)
    `*** print something
    `*** close job, finish the pdf and reset the standard printer driver
    $err:=TobitProXL_Save
end if
```

\$err:Long Return value

0: OK
1: could not merge final pdf
5: attachment not found

\$err:=TobitProXL_Send

Saves and closes the pdf file creation initialized with **TobitProXL_PDFStart**
Restores the standard printer driver. And open the standard windows mapi mail client.

Sample:

```
$PDFpath:="myPDF.pdf"
`*** start pdf creation and switches the printer driver
$err:=TobitProXL_PDFStart ($PDFpath) ` only document name is needed (no path)
If ($err=0)
    `*** print something
    `*** initialize to, cc, bcc and subject for mail
    TobitProXL_EMail ("info@node.de";"deeg@node.de";"";"Test Mail")
    `*** initialize body text for mail
    TobitProXL_MsgBody ("this is the body text")
    `*** close job, finish the pdf call Mapi and reset the standard printer driver
    $err:=TobitProXL_Send
End if
```

\$err:Long Return value

0: OK
1: could not merge final pdf
2: error on using mapi
5: attachment not found

\$err:=**TobitProXL_SendSmtP**(SmtP_server;Account;Password;From;Priority;Html;SendMethod;ReturnTxt) (changed with Version 2.4)

Saves and closes the pdf file creation initialized with **TobitProXL_PDFStart**
Restores the standard printer driver and sends pdf file to the defined smtp mail server. The send process works in background without any user interaction.

Sample:

```
$RetText:=""
$PDFpath:="myPDF.pdf"
`*** start pdf creation and switches the printer driver
$err:=TobitProXL_PDFStart ($PDFpath) ` only document name is needed (no path)
If ($err=0)
`*** print something
`*** initialize to, cc, bcc and subject for mail
TobitProXL_Email ("info@node.de";"deeg@node.de";"";"Test Mail")
`*** initialize body text for mail
TobitProXL_MsgBody ("this is the body text")
`*** close job, finish the pdf call Mapi and reset the standard printer driver
$smtp_server:=[Letter]smtp_server `smtp server from your mail provider
$smtp_account:=[Letter]smtp_account `account from your mail provider for the
from email address
$smtp_password:=[Letter]smtp_password `pw for the smtp account
$smtp_from:=[Letter]smtp_from `sender reply email address
$err:=TobitProXL_SendSmtP ($smtp_server;$smtp_account;$smtp_password;
$smtp_from;0;bUseHtmlBody;0;$RetText)
End if
```

SmtP_server:String	your mail smtp server (maybe smtp.mail.com, please ask your provider or the ip adress if you have an inhouse mail server)
Account:String	Mail account name, please ask your provider. (if the smtp server is an inhouse ip address, the account sometimes is not mandatory)
Password:String	Mail account password, please ask your provider. (if the smtp server is an inhouse ip address, the password sometimes is not mandatory)
From:String	your own email address
Priority:Long	0=normal, 1=high, 2=low
Html:Long	0=plain body text, 1= html body text On html=1, the plugin interpretes the mail body text from TobitProXL_MsgBody as html code. The mail will be send with html header. The plain text part for older mail clients will be also created and send. If there are any pictures sources inside the html body text, the plugin converts these in correct email format. or or
SendMethod:Long	0=SMTP 2= MS OutLook (send immediately) 3= MS OutLook (hold in Drafts) 4= MS OutLook (hold in Drafts and auto open for manual send) If SendMethod = 2,3 or 4, the parameter for smtp authentication could be empty strings (SmtP_server, Account, Password)
ReturnTxt:Text	possible error message from windows

Note: Is the SendMethod = 2, 3 or 4, you have to place the nodeOutLook.dll inside your win4dx folder. If you have a fresh MS Office installation on your pc, the send mail with MS OutLook fails unless you have updated to the latest MS Service Pack. You'll need OutLook 2000>=SP3, 2002>=SP3, 2003>=SP3

\$err:Long

Return value

- 0: OK
- 1: could not merge final pdf
- 2: error on smtp send process
- 4: could not evaluate html, mostly if the embedded picture path is not correct
- 5: attachment not found
- 6: error accessing MS OutLook
- 9: error accessing the registry to add/modify redemption entry

If you get an error 6, then you have to check these points

- is the nodeOutLook.dll inside the active win4dx
- is MS OutLook installed (no OutLook Express)
- are the latest MS Office/OutLook Service Packs installed
- the mapi32.dll inside c:\windows\system32\ must be from Microsoft

Note: In some cases, mostly in large restricted networks, users has no privileges to write to the windows registry. The nodeOutLook.dll needs write privileges to this registry path "HKEY_LOCAL_MACHINE\SOFTWARE\Redemption".

If you have an **error 6 or error 9** and everything above is checked, then use the plugin function one times with administrator rights (right click execute as administrator). After the redemption entry is created, edit this entry right mouse click to adjust the access privileges for every user entry to full access. Then it should work fine.

The Redemption 3rd party dll is the only way to get MS OutLook access without any boring dialogs to allow access for a few minutes.

\$err:=TobitProXL_SimpleMail(To;Cc;Bcc;From;Subject;SMTP_Server;Account;Password;Priority;Html;Body;Attachments;SendMethod;ReturnTxt) (changed with Version 2.4)

Creates and send a email without any user interaction. This Plugin command works as standalone command.

This Plugin command is **freeware** and does not need a valid license code. If you like to use it as standalone, without the other plugin part, you have to place the "NodeXChange.dll" inside your win4dx folder and initialize the plugin by calling the demo licence code. The demo timeout was not activated for this command.

(\$err.=TobitProXL_License(„DEMO“;„DEMO“;””))

Sample:

```
$RetText:=""
$mail_to:="info@nodegmbh.de"
$mail_subject:"This is my Subject"
$mail_body:"This is my body"
$smtp_server:"smtp.mail.com" `smtp server from your mail provider
$smtp_account:"account" `account from your mail provider for the from
email address
$smtp_password:"***" `pw for the smtp account
$smtp_from:"mymail@mail.com" `sender reply email address
$cc:=""
$bcc:=""
$prio:=1
If (bUseHtmlBody=1)
  $mail_body:=Replace string($mail_body;"<br>" + Char(13);Char(13))
  $mail_body:=Replace string($mail_body;Char(13);"<br>")
End if
$err:=TobitProXL_SimpleMail ($mail_to;$cc;$bcc;$smtp_from;
                             $mail_subject;$smtp_server;
```



```
$smtp_account;$smtp_password;1;
bUseHtmlBody;$mail_body;
arrT_MailAttachments;0;$retText)
PDF_Error ($err;"Simple Mail Send") ` show errors
```

To:Text	recipient for email
Cc:Text	carbon copy to
Bcc:Text	blind carbon copy to (to,cc,bcc could be formatted as "mail1@mail.com;mail2@mail.com;mail3@mail.com")
From:String	your own email address
Subject:String	subject for email
Smtp_server:String	your mail smtp server (maybe smtp.mail.com, please ask your provider or the ip adress if you have an inhouse mail server)
Account:String	Mail account name, please ask your provider. (if the smtp server is an inhouse ip address, the account sometimes is not mandatory)
Password:String	Mail account password, please ask your provider. (if the smtp server is an inhouse ip address, the password sometimes is not mandatory)
Priority:Long	0=normal, 1=high, 2=low
Html:Long	0=plain body text, 1= html body text On html=1, the plugin interpretes the mail body text from TobitProXL_MsgBody as html code. The mail w´ll be send with html header. The plain text part for older mail clients w´ll be also created and send. If there are any pictures sources inside the html body text, the plugin converts these in correct email format. or or
Body:TEXT	body text for email (html code or normal plain text code)
Attachments:Array	Text Array, which contains the vaild pathes to optional attachments
SendMethod:Long	0=SMTP 2= MS OutLook (send immediately) 3= MS OutLook (hold in Drafts) 4= MS OutLook (hold in Drafts and auto open for manual send) If SendMethod = 2,3 or 4, the parameter for smtp authentication could be empty strings (Smtp_server, Account, Password)
ReturnTxt:Text	possible error message from windows

Note: Is the SendMethod = 2, 3 or 4, you have to place the nodeOutLook.dll inside your win4dx folder. If you have a fresh MS Office installation on your pc, the send mail with MS OutLook fails unless you have updated to the latest MS Service Pack. You'll need OutLook 2000>=SP3, 2002>=SP3, 2003>=SP3

\$err:Long	Return value
	0: OK
	2: error on smtp send process
	4: could not evaluate html, cause the included picture path is not correct.
	5: attachment not found
	6: error accessing MS OutLook
	9: error accessing the registry to add/modify redemption entry

If you get an error 6, then you have to check these points

- is the nodeOutLook.dll inside the active win4dx
- is MS OutLook installed (no OutLook Express)

- are the latest MS Office/OutLook Service Packs installed

Note: In some cases, mostly in large restricted networks, users has no privileges to write to the windows registry. The nodeOutLook.dll needs write privileges to this registry path "HKEY_LOCAL_MACHINE\SOFTWARE\Redemption" (the Redemption entry shows some uneditable chars to protect copy paste). If you have an **error 6 or error 9** and everything above is checked, then use the plugin function one times with administrator rights (right click execute as administrator). After the redemption entry is created, edit this entry right mouse click to adjust the access privileges for every user entry to full access. Then it should work fine.
The Redemption 3rd party dll is the only way to get MS OutLook access without any boring dialogs to allow access for a few minutes.

Note: further description, see the red boxes for the **TobitProXL_SendSmtip** command.

Note: This is a freeware part of the plugin, to use this, have a look on **TobitProXL_License** also inside your Startup method.

\$err:=TobitProXL_AddPDF(Path;Bookmark) (new with Version 2.4)

Path:Text	Integrate an external PDF document to the current PDF creation. (With the previous versions, the pdf needs to be printed to integrated into a pdf creation)
Bookmark:String	An optional Bookmark to navigate inside the PDF. If you dont like to use this Bookmark option please format the parameter as an empty string.
\$err:Long	Return value 0: OK 1: no current pdf creation with TobitProXL_Start initiated 2: file not found under the given path 3: distribution dll not found 4: could not copy the source pdf to the working folder

TobitProXL_Attach(Path)

Path:Text	Attach external documents to pdf emails, send as an attachment
-----------	----------------------------------------------------------------

TobitProXL_MsgBody(Body)

Body:Text	insert the body text for emails
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See **TobitProXL_Send** for sample code

TobitProXL_EMail(To;Cc;Bcc;Subject) (changed with Version 2.4)

To:Text	recipient for email
Cc:Text	carbon copy to
Bcc:Text	blind carbon copy to (to,cc,bcc could be formatted as "mail1@mail.com;mail2@mail.com;mail3@mail.com")
Subject:String	subject for pdf emails

This procedure sets the receiver and subject for mails.

TobitProXL_BriefbogenSimple(Pic3;Opt3{;Height3;Width3})

Define the background watermark picture for the next printjob. But normally you should use **TobitProXL_BriefbogenStandard**

Pic3/PDF:Text	full path to the watermark picture, possible file types: emf, bmp, wmf, jpg, gif, pcx, tif (emf, bmp, jpg and wmf generates bigger file sizes than gif files with transparent background and slows down the pdf file creation) also allowed: a path to a single page pdf file . If there is a pdf file as background selected, the following parameters has no function and could be "0"
Op3:Long	position for the watermark picture on the pdf page Possible options: 1: scaled and center to full size 2: centered without picture scaling 3: top left without picture scaling 4: top right without picture scaling 5: top center without picture scaling 6: bottom left without picture scaling 7: bottom right without picture scaling 8: bottom center without picture scaling

Optional parameters for manually sizing the background picture. Sometimes text logos need to be scaled manually to get crisp result into the final pdf.

Height3:Long	manual height for the page watermark (0=no height)
Width3:Long	manual width for the page watermark (0=no width)

TobitProXL_BriefbogenStandard(Pic1;Pic2;Opt1;Opt2{;Height1;Height2;Width1;Width2})

Pic1/PDF:Text	full path for the optional background watermark for the first page. To suppress, place a blank string, possible file types: emf, bmp, wmf, jpg, gif, pcx, tif (emf, bmp, jpg and wmf generates bigger file sizes than gif files with transparent background and slows down the pdf file creation)
Pic2/PDF:Text	full path for the optional background watermark for the following pages. To suppress, place a blank string, possible file types: emf, bmp, wmf, jpg, gif, pcx, tif (emf, bmp, jpg and wmf generates bigger file sizes than gif files with transparent background and slows down the pdf file creation) also allowed: a path to a single page pdf file . If there is a pdf file as background selected, the following parameters has no function and could be "0"
Op1/Opt2:Long	position for the watermark picture on the pdf page Possible options: 1: scaled and center to full size 2: centered without picture scaling 3: top left without picture scaling 4: top right without picture scaling 5: top center without picture scaling 6: bottom left without picture scaling 7: bottom right without picture scaling 8: bottom center without picture scaling

Optional parameters for manually sizing the background picture. Sometimes text logos need to be scaled manually to get crisp result into the final pdf.

Height1:Long
Height2:Long
Width1:Long
Width2:Long

manual height for the first page watermark (0=no height)
manual height for the following pages watermark (0=no height)
manual width for the first page watermark (0=no width)
manual width for the following pages watermark (0=no width)

TobitProXL_PdfOptions(PW;PW;Opt1;Opt2;Opt3;Opt4;Opt5)

PW:String	owner password
PW:String	user password
Opt1:Long	print permitted 1=yes, 0=no
Opt2:Long	text copy permitted 1=yes, 0=no
Opt3:Long	pdf change permitted 1=yes, 0=no
Opt4:Long	individual comments permitted 1=yes, 0=no
Opt5:Long	JPEG-compression for picts, in percent default is 60.

TobitProXL_PdfInfo(Titel;Theme;Owner;Application;Keywords)

Titel:String	PDF Info titel
Theme:String	PDF Info theme
Owner:String	PDF Info owner name
Application:String	PDF Info creator application
Keywords:String	PDF Info keywords separated with blanks

\$err.=TobitProXL_License(Company;Name;Code)

Company:String	company name
Name:String	developer name
Code:String	registration key

Sample:
\$err.=TobitProXL_License(„DEMO“;„DEMO“;””)
activates the plugin for 10 minutes.

\$err:Long	Return value
	0: license valid
	1: invalid license

Note: To use only the freeware parts of the plugin, the **TobitProXL_License**(„DEMO“;„DEMO“;””) command must be included inside your startup (debut) method.

\$err.=TobitProXL_PdfMerge(Pdf1;Pdf2;PageNo)

Pdf1:Text	Full path to source and destination pdf document.
Pdf2:Text	Full path to source pdf document.
PageNo:Long	Page Numer to insert pdf2 into pdf1. (0=insert after the end of pdf1)

\$err:Long	Return value
	0: OK
	1: could not open pdf1
	2: could not insert pdf2
	3: distribution dll not found
	4: no valid license or demo timeout

Sample:
\$path1:=„c:\mypdf1.pdf“

```
$path2:="c:\mypdf2.pdf"
$err:=TobitProXL_PdfMerge ($path1;$path2;0)
PDF_Error ($err;"PDF Merge") `show errors
```

\$err:=TobitProXL_PdfDeletePages(Pdfpath;Page_from;Page_to)

Pdfpath:Text	Full path to source pdf document.
Page_from:Long	first page to delete
Page_to:Long	last page to delete
\$err:Long	Return value
	0: OK
	1: could not open pdf
	2: could not delete pages
	3: distribution dll not found
	4: no valid license or demo timeout

Sample:

```
$path:="c:\mypdf1.pdf"
$err:=TobitProXL_PdfDeletePages ($path;2;3) `delete page 2-3 from pdf
PDF_Error ($err;"PDF delete") `show errors
```

\$err:=TobitProXL_GetPdfInfos(Pdfpath;Titel;Subject;Author;Creator;Keywords;Application)

Titel:String	PDF Info titel
Theme:String	PDF Info theme
Owner:String	PDF Info owner name
Application:String	PDF Info creator application
Keywords:String	PDF Info keywords separated with blanks
\$err:Long	Return value
	0: OK
	1: could not open pdf
	2: could not delete pages
	3: distribution dll not found
	4: no valid license or demo timeout

\$err:=TobitProXL_GetPdfPageCount(Pdfpath)

Pdfpath:Text	Full path to source pdf document.
\$err:Long	Return value
	0: could not detect page count
	>0: page count

\$err:=TobitProXL_GetPdfPWInfo(Pdfpath)

Pdfpath:Text	Full path to source pdf document.
\$err:Long	Return value
	0: pdf file is not protected
	1: pdf file is password protected

\$err:=TobitProXL_SetBookmark(Bookmark)

Bookmark:String	Bookmark to set for the first page of the next print job
\$err:Long	Return value
	0: OK
	3: distribution dll not found

\$err:=DoInit

Reloads the pdf dlls into memory which was previously unloaded by DoDeinit.
This feature is for developers which uses several 4d applications with pdf functions at the same time.
This command works only if the plugin works unlocked with a valid serial number.

\$err:Long	Return value
	0: OK
	4: does not work in demo mode

Since Version 2.0, these plugin command are no longer needed, cause the plugin initialization allows now multiple instances of 4D apps loaded at the same time. (but only one is able to create pdfs at the same time)

\$err:=DoDeinit

Unload the pdf dlls from memory.
This feature is for developers which uses several 4d applications with pdf functions at the same time.
This command works only if the plugin works unlocked with a valid serial number.

\$err:Long	Return value
	0: OK
	4: does not work in demo mode

Since Version 2.0, these plugin command are no longer needed, cause the plugin initialization allows now multiple instances of 4D apps loaded at the same time. (but only one is able to create pdfs at the same time)

\$err:=TobitProXL_LoadPage (Dest_Path;URL)

This command loads the destination url into a text file.

Dest_path:Text	Destination path to a text file
URL:Text	Web url
\$err:Long	Return value
	0: OK
	1: error on download
	2: txt path or url is missing
	3: nodeXchange.dll not found

Note: This is a freeware part of the plugin, to use this, have a look on **TobitProXL_License** also.

Sample:
VT_URL:="http://www.4d.com"
\$url_source:="c:\mypage.txt"
If (Test path name(\$url_source)=Is a document)


```

DELETE DOCUMENT($url_source)
End if

$err:=TobitProXL_LoadPage ($url_source;VT_URL)
PDF_Error ($err;"load url";8) `show errors
If ($err=0)
  If (Test path name($url_source)=Is a document )
    SET BLOB SIZE($myBlob;0)
    DOCUMENT TO BLOB($url_source;$myBlob)
    If (OK=1)
      vOffset:=0
      vT_WebPage:=BLOB to text($myBlob;Text without length ;vOffset;32000)
      REDRAW(vT_WebPage)
    End if
  End if
End if

```

TobitProXL_AddFonts (EmbedFonts)

This command adds/embeds all used fonts to your resulting pdf file. This command must be called before the first print job. This command is optional.

If you use this command, the resulting pdf files increase a little bit.

EmbedFonts:Long 0 = don't embed (default), 1 = embed all Fonts

\$err:= TobitProXL_GetPDFBookmarks (Source_Path, Bookmark, Pages, {Passwd})

Reads the bookmarks from a pdf file.

Source_path:Text	Path to a valid PDF document
Bookmark:Array(out)	Text Array, contains the bookmark strings from the pdf file corresponding to the pages array.
Pages:LongArray(out)	Longint Array, contains the page numbers corresponding to the bookmark array.
Passwd:String	optional pdf password

\$err:Long	Return value
	0: OK
	1: could not open pdf file (check the path)
	2: could not read bookmarks
	3: nodeXchange.dll not found
	4: no valid license

\$err:= TobitProXL_ClearPDFBookmarks (filename, {Passwd})

Clears all bookmarks from a pdf file.

Source_path:Text	Path to a valid PDF document
Passwd:String	optional pdf password

\$err:Long	Return value
	0: OK
	1: could not open pdf file (check the path)
	2: could not delete bookmarks
	3: nodeXchange.dll not found

\$err:= TobitProXL_SetPDFBookmarks (filename, Bookmarks, Pages, {Passwd})

Writes bookmarks to a pdf file. only 1 bookmark for each page is possible. (Please use TobitProXL_ClearPDFBookmarks before) [See sample database.](#)

Please insure, that there are no higher page values than existing pages.

Source_path:Text	Path to a valid PDF document
Bookmark:Array(in)	Text Array, contains the new bookmark strings for the pdf file corresponding with the pages array.
Pages:LongArray(in)	Longint Array, contains the page numbers corresponding to the bookmark array.
Passwd:String	optional pdf password

\$err:Long	Return value
	0: OK
	1: could not open pdf file (check the path)
	2: could not writebookmarks
	3: nodeXchange.dll not found
	4: no valid license

node Systemlösungen e.K.
 Kantstr. 149
 D-10623 Berlin - Germany
 Fon: +49 30 893 64 30
 Fax: +49 30 892 19 04
 E-Mail: deeg@node.de
 Internet: <http://www.node.de>