

HP Connect-IT Connectors

Proposed NEW PDF/Help Processes

Document Release Date: January 2009
Software Release Date: January 2009



Contents

Doc Overview	7
Why move to a new system	9
Proposed NEW system	11
server directories	12
Feedback	13
PDF feedback	13
HELP feedback	15
CHM help	15
HTML/Webworks (etc) help	15
Change tracking	16
Source backup	16
Build checkin	16
Content translation (TRADOS)	17
Text	17
Screenshots	17
Diagrams	17
Content (PDF/Help) creation (using FM)	18
Easy to use editor WYSIWYG	19
Correct approach to editing	19
Tight format control / HP templates	19
FM Book + chapters	19
linked pic files (easy to manage)	20
Find/replace	20
Text formatting	21
Numbering (no errors, easy)	21
Import formats	22
Tagged (conditional) text	22
Variables	23
Cross references (work flawlessly)	23
Tables (easy to control format)	24
Screenshots (png)	24
Graphics (linked visios)	25
HELP file names (markers)	25
Comments	25
Hypertext	25
Footnotes	25
TOC/LOT/LOF	25

Index.....	25
Generate output (PDF/Help).....	26
PDF.....	26
Import formats.....	26
Create PDF (save as...).....	26
Versioning.....	26
Save to DVD image directory.....	26
Backup Perforce.....	26
Backup copy zips to server.....	26
Verify.....	27
HELP create.....	28
Overwrite FM sources and pics.....	28
Import formats to FM sources.....	28
WW create HELP (total auto).....	28
WW create HELP (partial auto).....	28
Standalone test.....	28
Test with application (context-sensitive only).....	29
Versioning.....	29
Save to DVD image directory.....	29
Source control (perforce).....	29
Source backup.....	29
Transition to NEW system.....	31
FM: Copy PDF text to Framemaker.....	32
FM: Change paragraph formats (main effort).....	32
FM: Add tables and pics.....	32
FM: Cross references.....	33
FM: Title page, index entries, etc.....	33
FM: Add help filename markers (optional).....	34
WW: Create help project(s).....	35
CURRENT system.....	37
Basic problems.....	38
Get tech assistance (France).....	39
Phone calls.....	39
Netmeeting.....	39
Communicator.....	40
Install/config tools (7+).....	41
FTP Clients/sites.....	42
Connect-IT (target product; for examples, help).....	44
install.....	44
doc dir.....	44
help (cit.chm).....	45
pdf (CIT390-Connectors-EN.pdf).....	46
setup connector.....	46
Perforce.....	48
XMetaL.....	51

Download/Install	51
Copy/edit config files	52
New file (test)	54
Open file	55
UltraEdit ??	56
Araxis Merge	57
DocID	58
VMWare client	59
IE/Firefox for access to VM	60
Set up VM on own machine (optional)	63
Checkout (Perforce)	64
Find source files / content (ultraedit)	65
Copy/add files (perforce)	66
Copy files	66
New files	66
Add to perforce CC	66
Create changelist (Perforce)	67
open files (Xmetal)	68
Add files (chapter sections) to help/pdf (Xmetal)	69
Define book chapter file logical name (connector.xml)	69
Add book chapter logical name to list of chapters (connector.xml)	69
define chapter sections logical names (connector.xml (should be chapX.xml))	70
Add chapter sections logical names to list of sections (chapX.xml)	70
Edit text (XMetaL)	71
edit DocID's (xmetal/ultraedit/docid)	72
copied Text with no links step1: delete docids (xmetal/ultraedit)	73
Xmetal	73
Ultraedit	74
copied text with no links step2 / new text: generate docids (docid)	75
Copied text with links: the problem	76
copied text with links step1: modify docids (xmetal)	77
copied text with links step2: reverse errors (xmetal)	78
Correct errors (Merge) ??	79
Commit (perforce)	79
Generate DOC/HELP (VM)	80
Download HELP/PDF (ftp)	82

1 Doc Overview

this doc describes CIT doc creation:

- [2 Why move to a new system](#) on page 9
- [3 Proposed NEW system](#) on page 11 describes in detail how to create docs/help with the new system (techniques Terry has used past 10 years).
- [4 Transition to NEW system](#) on page 31 describes Migration. low risk though not easy (Terry has done many times before)
- [5 CURRENT system](#) on page 37 describes in detail how to create docs/help with current system (as Terry understands it).

=====

following is just some notes:

4.0 april

- new connectors
- new functionality
- out of box scenarios

3.91 new ucldb, ppm, ddmi

1

vml10n doc02

p4win

f:\bulid\pif\pif390\relnotes

e:\docs\pool\pif\man\concom\xml

Jerome Fedi, Pascal Babin, Mathias Cocheril

3

E:\doc\pool\pif\man\build\runpif

vml 10n-doc02

server field = ipaddress

F:\build\pif\man\userguide\xml\crg?

noinc

shanghai

1. java dev: yan lei
2. scn dev: man shuo , zeng li mei
3. qa: hong xia li, li jian li, wu xiao feng
4. c++ dev: philip / li dian hua, guo xiao xin, wang shao feng, matthew

release notes 10 feb 3.91 pascal

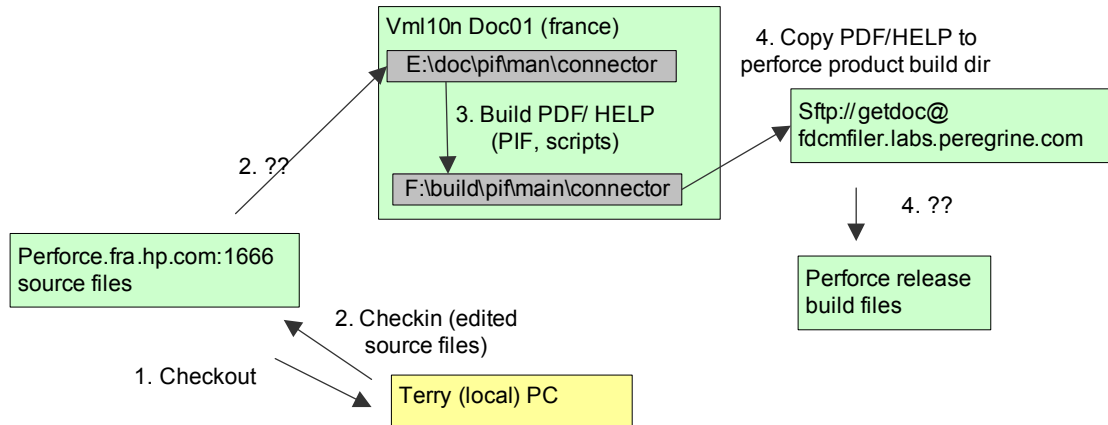
cpe bug

fpe dev new features

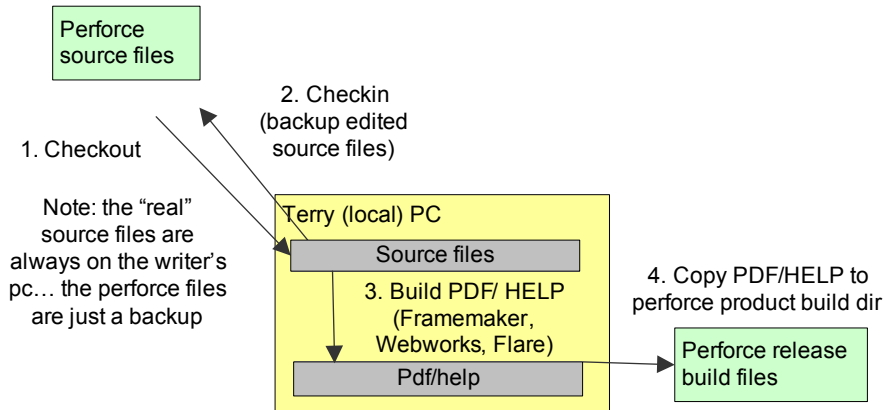
2 Why move to a new system

I may be mistaken on several things here, because i dont know the current system that well.

The current system is designed as if the docs were software. diagram below shows the Current workflow: **the pdf/help build is on a remote vm.** and the source files and pdf/help are stored on remote machines. and the process to create docs requires a lot of scripts.



with the new workflow i can do everything on my own pc. no risk. standard tools (no scripts, etc)



also for translation: avoid tracking pieces of info (docid), and instead get tools that can find new content (trados)

3 Proposed NEW system

This chapter describes the NEW system (how Terry likes to create pdf/help). This system is

- low risk. i try to use standard reliable tools that allow me to concentrate on creating content. the tools and processes i have been using for 10 years.
- single source: pdf and help generated from same source files.
- easy and quick. its easy to update files and publish new versions, allowing the writer to focus on content.

This chapter has 2 major parts:

- Part 1: feedback, changes, backups, etc. the current system is not really what a doc writer needs (its more geared toward managing software source files)... the new system is simpler and more practical / useful for writers.
 - [3.1 server directories](#) on page 12
 - [3.2 Feedback](#) on page 13
 - [3.3 Change tracking](#) on page 16
 - [3.4 Source backup](#) on page 16
 - [3.5 Build checkin](#) on page 16
- Part 2: content and output creation. the current system is quite complicated, but the new system is simple (uses automated tools).
 - [3.6 Content translation \(TRADOS\)](#) on page 17
 - [3.7 Content \(PDF/Help\) creation \(using FM\)](#) on page 18
 - [3.8 Generate output \(PDF/Help\)](#) on page 26
 - [3.9 HELP create](#) on page 28

3.1 server directories

keep all doc sources, pdf/helps, versions, comments, etc. on a central server.
(TERRY: will later describe dir setup).

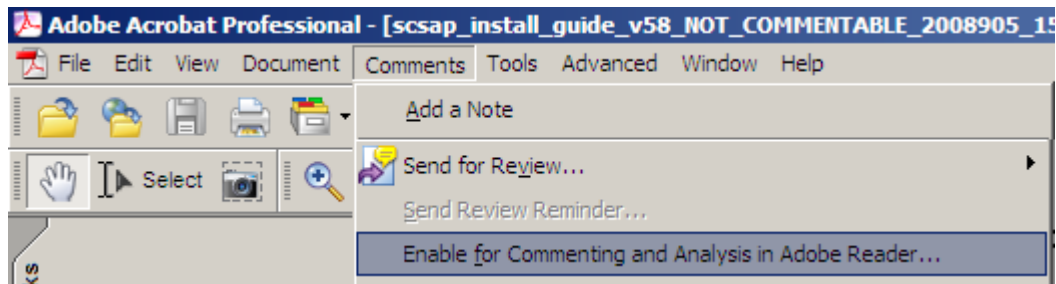
NOTE: the real source files should be on writers pc. on this server is just really backups.

3.2 Feedback

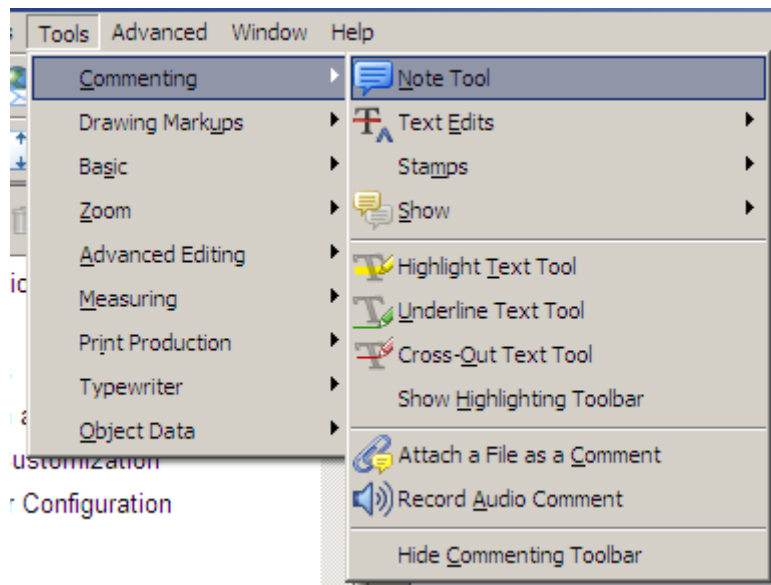
- 3.2.1 PDF feedback on page 13
- 3.2.2 HELP feedback on page 15

3.2.1 PDF feedback

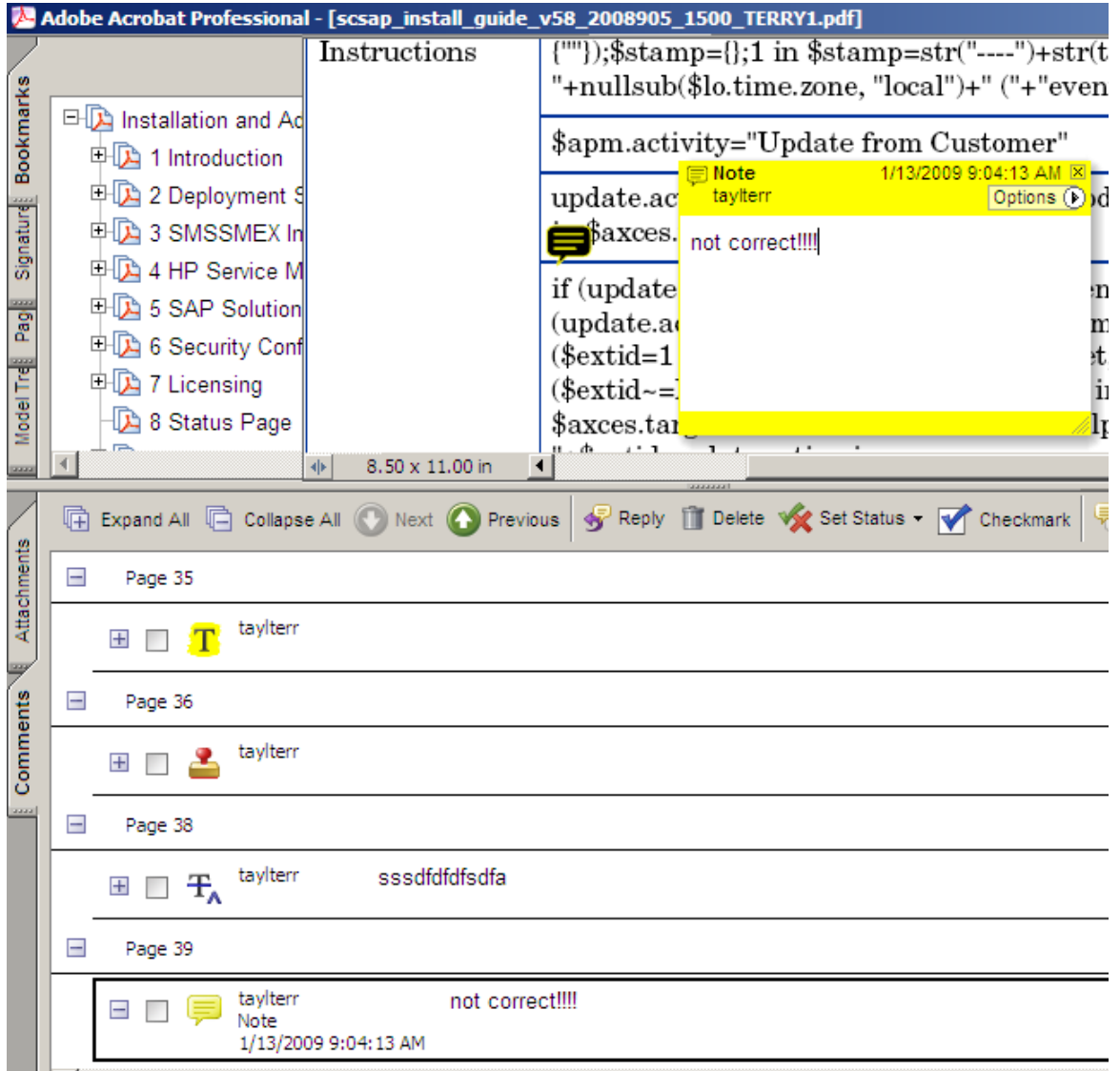
pdf is saved with comments enabled.



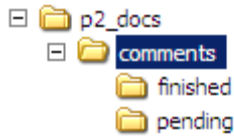
then in acrobat reader (pic below is acrobat... i dont have reader, but probably similar) can use all the great comment tools.



the commented file is saved with the name of the commentor appended.



the commentor sends comments by email or puts in server comment directory \pending. after i have processed comments, i put the comment pdf into dir \finished (or \rejected). if i add comments then i also add my name. in this way there is an easy-to-read record of all changes



so user can always go back and reveiw comments. this is a very simple a proven way to do feedback. in FM file can also note who gave the feedback.

3.2.2 HELP feedback

- [3.2.2.1 CHM help](#) on page 15
- [3.2.2.2 HTML/Webworks \(etc\) help](#) on page 15

3.2.2.1 CHM help

chm is one big file, and cannot edit or comment? so send email with

1. original text
2. modified text

3.2.2.2 HTML/Webworks (etc) help

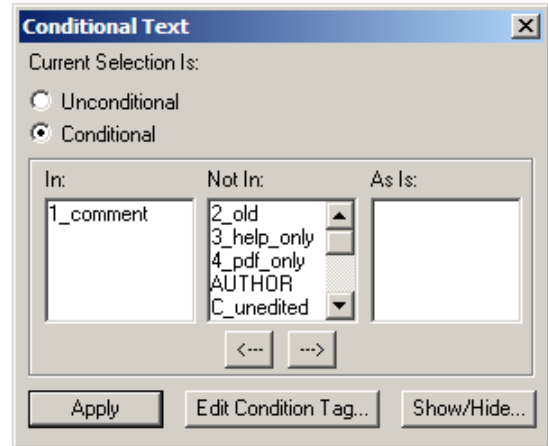
send filename.

original/modified text. can be simply email or modified html file.

3.3 Change tracking

you can tag text to track changes

```
||
||
||#V03 TERRY this is from John doe... his comment: i dont think the current text is correct.
||please change !!||
||This is the new text written by terry.||
||This little piece is only in help.||
||This should only be in pdf.||
||This is the old text that John Doe did not like.||
||
||
```



you then save different versions of files.

internal version has all comments.

- scsap_install_guide_v57_INTERNAL_2008904_1535.pdf
- scsap_install_guide_v57_DRAFT_2008904_1535.pdf
- scsap_install_guide_v57_RELEASE_2008904_1535.pdf

3.4 Source backup

scsap_install_guide_v57_TERRY_2008904_1535_SOURCE.zip

the zip should contain all files (framemaker, diagrams, help projects. etc) so that any writer could download and generate pdf/help.

3.5 Build checkin

I dont think that the source files need to be controlled in perforce. just back them up. you will never use perforce to go back to previous version of docs.

but you need to check in completed pdf/help with proper file names into the builds.

3.6 Content translation (TRADOS)

- [3.6.1 Text](#) on page 17
- [3.6.2 Screenshots](#) on page 17
- [3.6.3 Diagrams](#) on page 17

3.6.1 Text

I talked with Yu, Dan (Holly) dan.yu@hp.com about this. from what i understand, Trados is used to translate. Following is process:

- 1 make changes in english FM
- 2 french translator uses TRADOS to convert EN/FR fm files to tts files (fm is binary, tts is not).
- 3 text changes are found in tts files.
- 4 FR translator enters new FR text in trados editor.
- 5 saves work. TRADOS updates the framemaker files.

3.6.2 Screenshots

3.6.3 Diagrams

all diagram SOURCE files (visio, etc) are saved with FM sources.

3.7 Content (PDF/Help) creation (using FM)

this section describes how to create content with FM (Framemaker). also describes some of my techniques to avoid problems. this would be very useful for any anyone unfamiliar with FM (FM user docs/help is not good).

- [3.7.1 Easy to use editor WYSIWYG](#) on page 19
- [3.7.2 Correct approach to editing](#) on page 19
- [3.7.3 Tight format control / HP templates](#) on page 19
- [3.7.4 FM Book + chapters](#) on page 19
- [3.7.5 linked pic files \(easy to manage\)](#) on page 20
- [3.7.6 Find/replace](#) on page 20
- [3.7.7 Text formatting](#) on page 21
- [3.7.8 Numbering \(no errors, easy\)](#) on page 21
- [3.7.9 Import formats](#) on page 22
- [3.7.10 Tagged \(conditional\) text](#) on page 22
- [3.7.11 Variables](#) on page 23
- [3.7.12 Cross references \(work flawlessly\)](#) on page 23
- [3.7.13 Tables \(easy to control format\)](#) on page 24
- [3.7.15 Graphics \(linked visios\)](#) on page 25
- [3.7.16 HELP file names \(markers\)](#) on page 25
- [3.7.17 Comments](#) on page 25
- [3.7.18 Hypertext](#) on page 25
- [3.7.19 Footnotes](#) on page 25
- [3.7.20 TOC/LOT/LOF](#) on page 25
- [3.7.21 Index](#) on page 25

3.7.1 Easy to use editor WYSIWYG

FM is a “What you see is what you get” editor.

Its not easy to get started with, but its dependable and approaches doc creation in the corret way (not like ms_word).

3.7.2 Correct approach to editing

TERRY: explain details of cursor placement, etc.

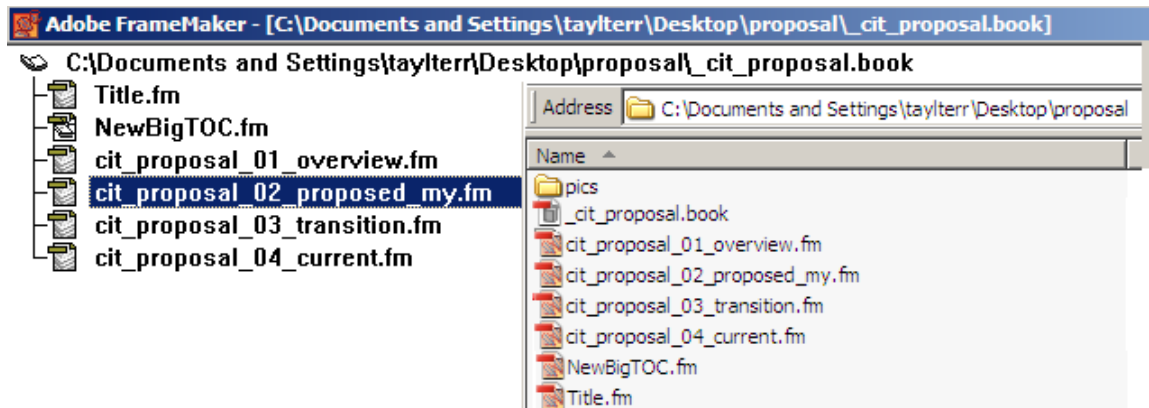
3.7.3 Tight format control / HP templates

HP has standard templates for FM.

FM lets you easily create a PDF with exactly the format you want.

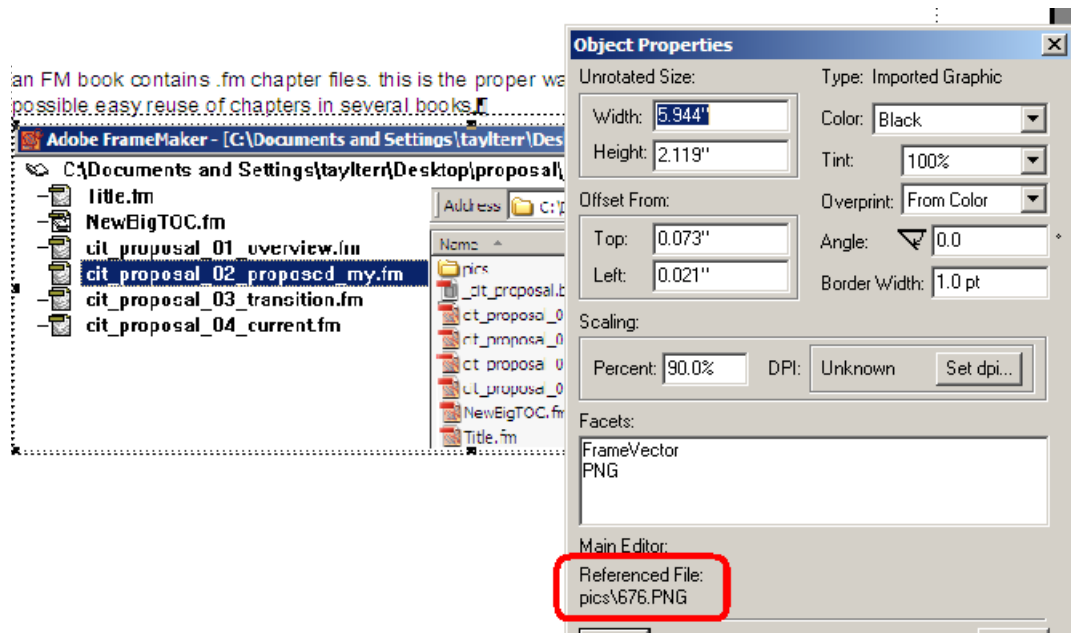
3.7.4 FM Book + chapters

an FM book contains .fm chapter files. this is the proper way to organize content. and makes possible easy reuse of chapters in several books.



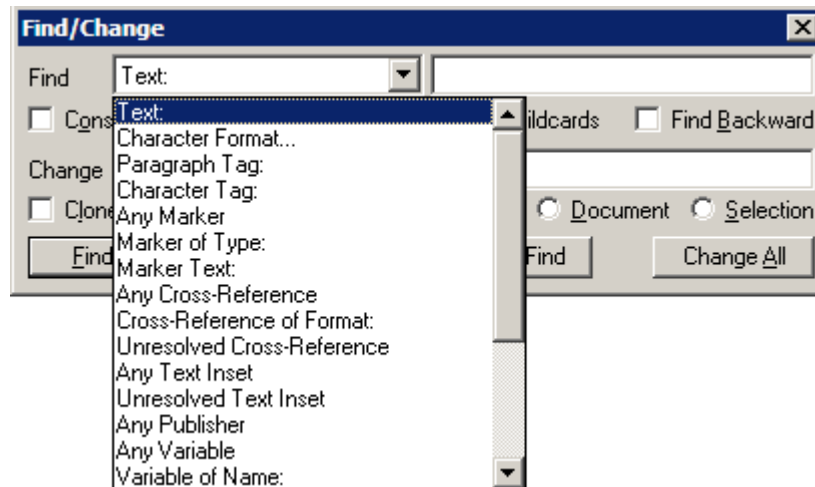
3.7.5 linked pic files (easy to manage)

pics are linked, but unlike ms_word the link mechanism is simple and it works. double-click on pic and it opens in the native editor.



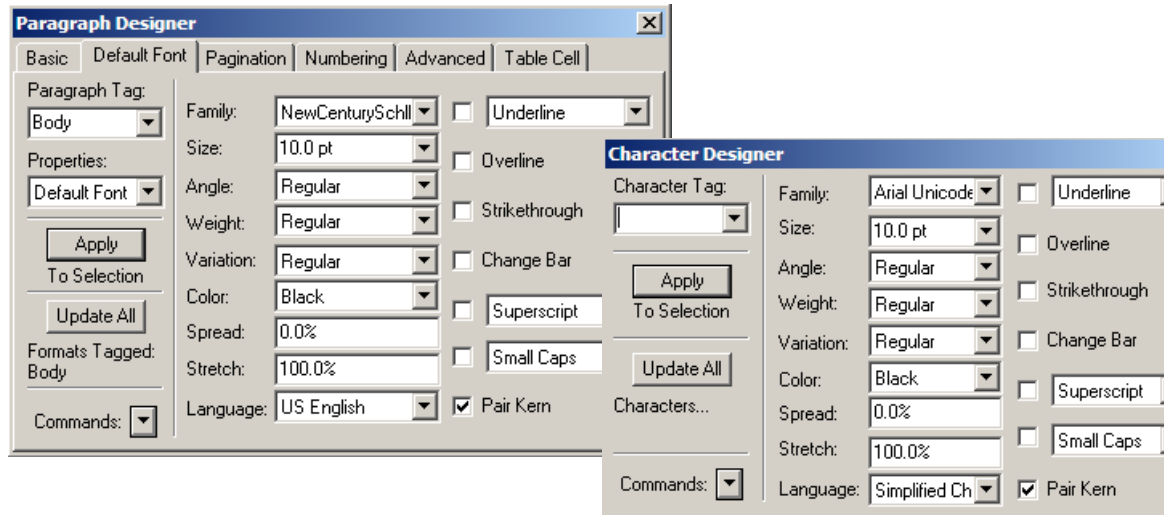
3.7.6 Find/replace

FM has a good find/replace mechanism (the CURRENT system does not.. have to use external tool to find !!).



3.7.7 Text formatting

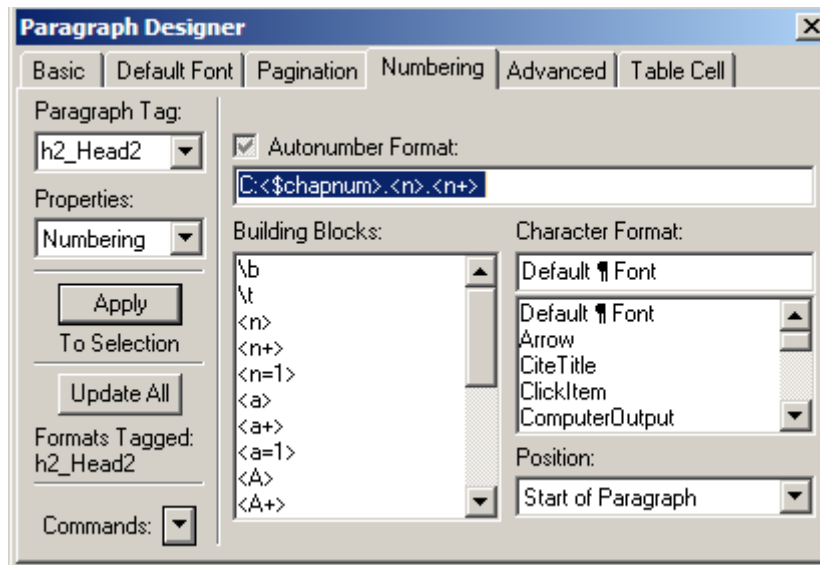
Vastly better than ms_word. paragraph and character formatting. tight control, no confusion.



3.7.8 Numbering (no errors, easy)

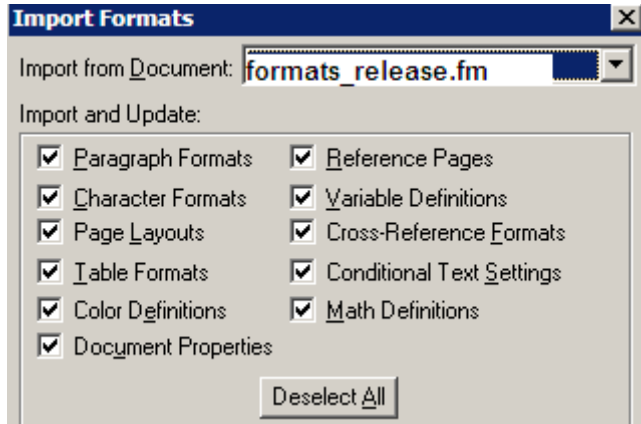
Vastly better than ms_word.

ms_word numbering simply does not work. i think this is the main reason that tech writers insist that headings should not be numbered... because doing this in ms_word is not practical. but in FM its easy, and it makes the doc VASTLY more readable..



3.7.9 Import formats

i typically have several format .fm files, and to automatically change the look and content of a version of a doc i just import the formats. this always works for any size doc with NO errors..

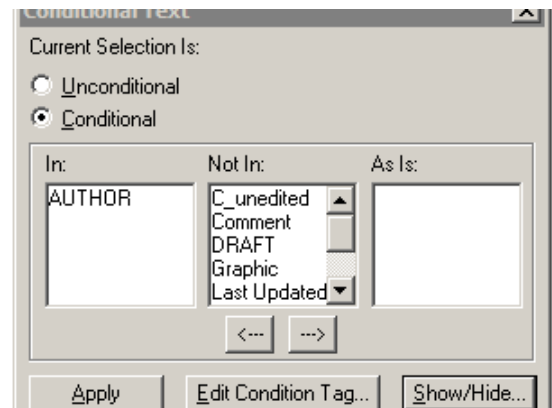


3.7.10 Tagged (conditional) text

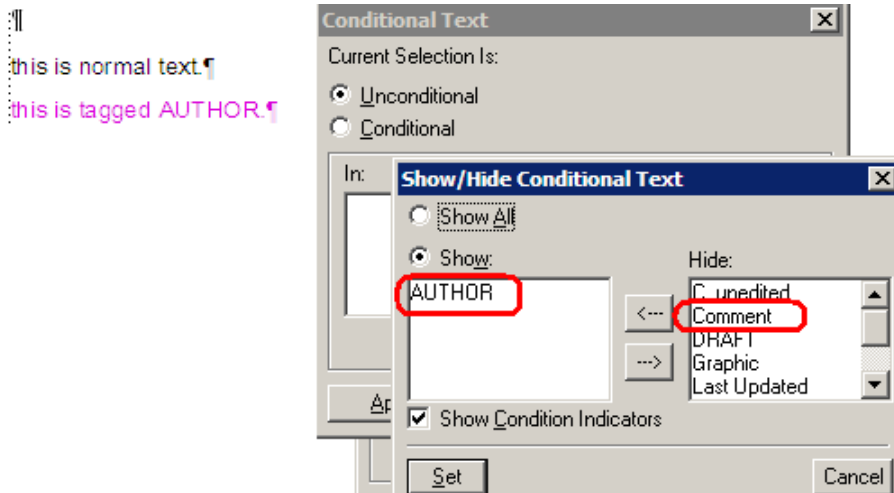
text can be tagged (conditional text)..

.1.9 Tagged (conditional) text

```
||
|
| this is normal text.
|
| this is tagged AUTHOR
|
| and some tagged text of type Comment.
|
|
||
```

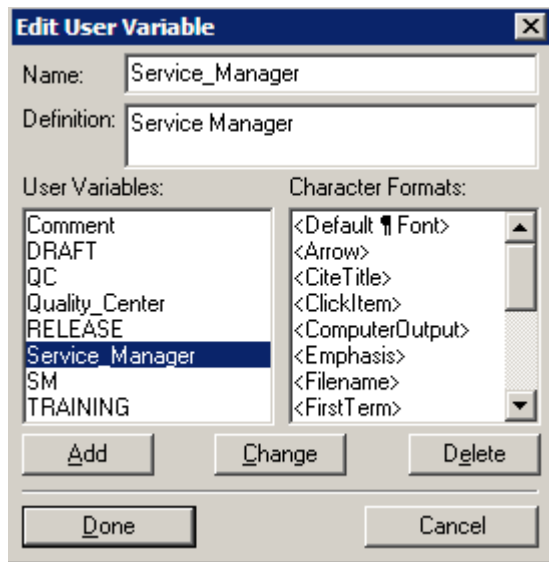


can show/hide, also hide indicators (color, etc.). you put the conditional text settings in a formats.fm file and then import to change the content/look of a doc..



3.7.11 Variables

error-free variable mechanism. can also import variables from formats.fm file. note that you can apply special character formats to variables..



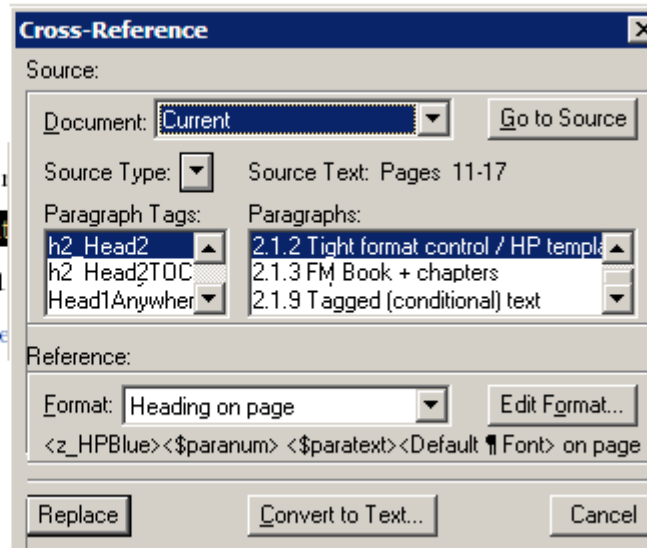
3.7.12 Cross references (work flawlessly)

ms_word cross references dont work and can corrupt a file. in FM, cross-references

- work error-free
- easy to create / manage
- missing links are automatically found

in the current XMetaL editor cross-references are a major headache..

- 2.1.1 Easy to use editor WYSIWYG on page 11
- 2.1.2 Tight format control / HP template on page 11
- 2.1.3 FM Book+ chapters on page 11
- 2.1.4 linked pic files (easy to manage) on page 11

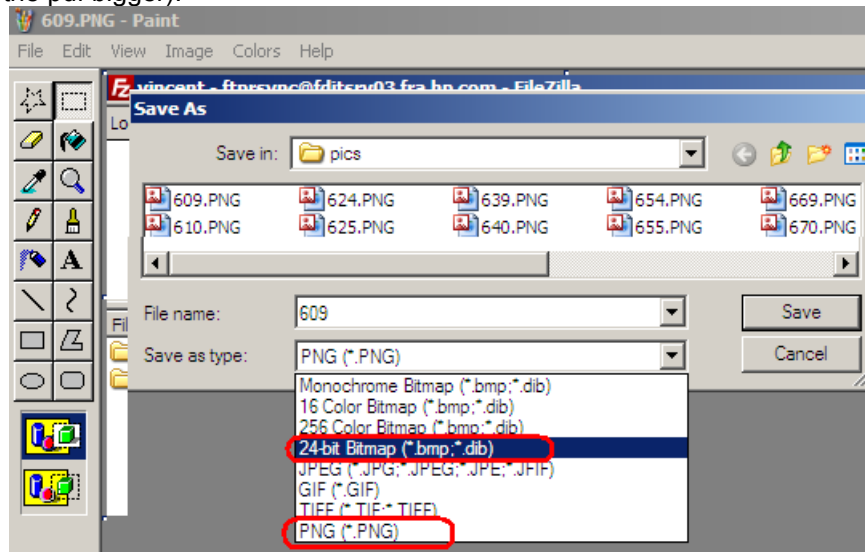


3.7.13 Tables (easy to control format)

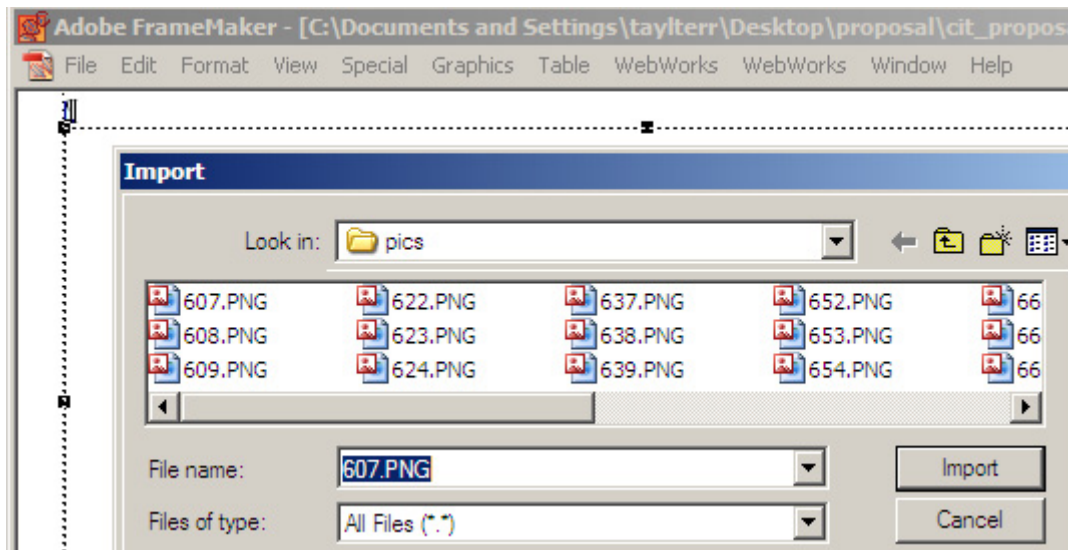
xxx

3.7.14 Screenshots (png)

Screenshots should be saved as .bmp or .png. bmp files are large, but when zipped or add to pdf they are compressed (lossless) (putting in jpeg screenshots in a pdf is wrong.. its fuzzy and makes the pdf bigger).

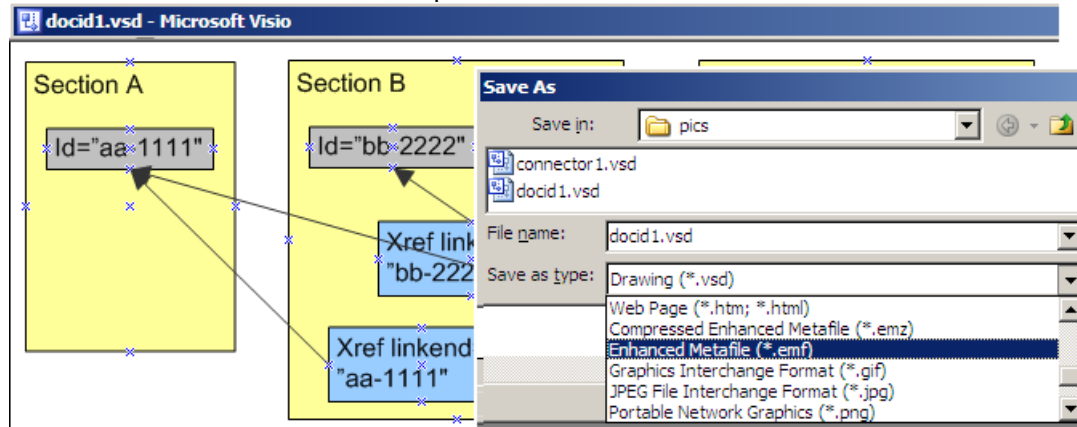


in framemaker import the pic into the frame (file \ import \ file). very easy.



3.7.15 Graphics (linked visios)

create in visio. save as .emf. then import to framemaker.



3.7.16 HELP file names (markers)

xx

3.7.17 Comments

xxx

3.7.18 Hypertext

xx

3.7.19 Footnotes

xxx

3.7.20 TOC/LOT/LOF

xxx

3.7.21 Index

xxx

3.8 Generate output (PDF/Help)

3.8.1 PDF

- 3.8.1.1 Import formats on page 26
- 3.8.1.2 Create PDF (save as...) on page 26
- 3.8.1.3 Versioning on page 26
- 3.8.1.4 Save to DVD image directory on page 26
- 3.8.1.5 Backup Perforce on page 26
- 3.8.1.6 Backup copy zips to server on page 26
- 3.8.1.7 Verify on page 27

3.8.1.1 Import formats

if creating release pdf, then import formats from release.fm format file.
make sure no empty pages.

3.8.1.2 Create PDF (save as...)

Requires a few minutes, no risk. Framemaker, the PDF standard and the PDF maker (Acrobat) are both from Adobe.

3.8.1.3 Versioning

save as cit_doc_v23_20090123_1422_DRAFT.pdf.
RELEASE/ INTERNAL

3.8.1.4 Save to DVD image directory

need to put latest PDF into DVD dir with correct name.

3.8.1.5 Backup Perforce

source files are ALWAYS on writers PC.
i dont see need for this, except that everythign else is in perforce, so docs probably should be.
but ONLY as a backup. the source files are on the writers PC. there is no need to backtrack to previous version.

3.8.1.6 Backup copy zips to server

zip ALL files (screenshots normally take up little space... but visios take a lot).
cit_doc_v23_20090123_1422_DRAFT_SOURCE.pdf.
then save to backup server where 5-20 previous versions are stored.
anyone with proper setup should be able to unzip and recreate PDF no problem.

3.8.1.7 Verify

usually no problems, but sometimes:

- extra pages (delete manually in FM and recreate pdf).

3.9 HELP create

- [3.9.1 Overwrite FM sources and pics on page 28](#)
- [3.9.2 Import formats to FM sources on page 28](#)
- [3.9.3 WW create HELP \(total auto\) on page 28](#)
- [3.9.4 WW create HELP \(partial auto\) on page 28](#)
- [3.9.5 Standalone test on page 28](#)
- [3.9.6 Test with application \(context-sensitive only\) on page 29](#)
- [3.9.7 Versioning on page 29](#)
- [3.9.8 Save to DVD image directory on page 29](#)
- [3.9.9 Source control \(perforce\) on page 29](#)
- [3.9.10 Source backup on page 29](#)

3.9.1 Overwrite FM sources and pics

i prefer to keep the help and fm stuff totally separate. i think its possible that WW might change something in FM files. so copy all FM sources to WW sources dir (overwrite).

Remember that after zipping WW source files, they should contain everything to create help, so should have FM source files ready to input to WW.

3.9.2 Import formats to FM sources

this can be done in help project.

3.9.3 WW create HELP (total auto)

Just click on the create button in WW. Depending on help size and type can take up to 30 mins. but my experience is that its dependable.

3.9.4 WW create HELP (partial auto)

To create WinHELP, WW first converts FM files to MS.WORD rtf. its possible if some problems occurs to manually modify the ms.word files and then use win_help_compiler to create help.

3.9.5 Standalone test

3.9.6 Test with application (context-sensitive only)

3.9.7 Versioning

NOTE: help generated with pdf v34 source files will be v34, even if no v33 for help was created. we are versioning the content.

zip and save sources, project files, output as cit_HELP_v23_20090123_1422_DRAFT.zip.

RELEASE

INTERNAL

3.9.8 Save to DVD image directory

need to put latest HELP into DVD dir with correct name.

3.9.9 Source control (perforce)

Check sources, project files, output into Perforce, but ONLY as a backup. the source files are on the writers PC. there is no need to backtrack to previous version.

3.9.10 Source backup

save all to backup server.

4 Transition to NEW system

Some changes to connector doc/help must be ready by 15 Feb. This could be completed in existing system, but I would recommend that parallel to this I try to convert the Connector doc/help to my proposed method as a test. This chapter describes one way to do this.

Such a transition I have done before. I have a good idea of what problems occur. Therefore, very low risk. I already did a small demo transition with doc/help generation for Byron.

Transition will require 2-4 days (realistic time frame). after importing to Framemaker, I have to manually fix text formats, tables, and insert pics. Doc will be about 300 pages, so this is a bit of effort (but a low risk and 1-time effort).

Note that the PDF format will be much more HP-standard and tightly controlled.

There should be a way to automate this, but I have not figured out how.. if anyone could help, I would appreciate it.

- [4.1 FM: Copy PDF text to Framemaker](#) on page 32
- [4.2 FM: Change paragraph formats \(main effort\)](#) on page 32
- [4.3 FM: Add tables and pics](#) on page 32
- [4.4 FM: Cross references](#) on page 33
- [4.5 FM: Title page, index entries, etc](#) on page 33
- [4.6 FM: Add help filename markers \(optional\)](#) on page 34
- [4.7 WW: Create help project\(s\)](#) on page 35

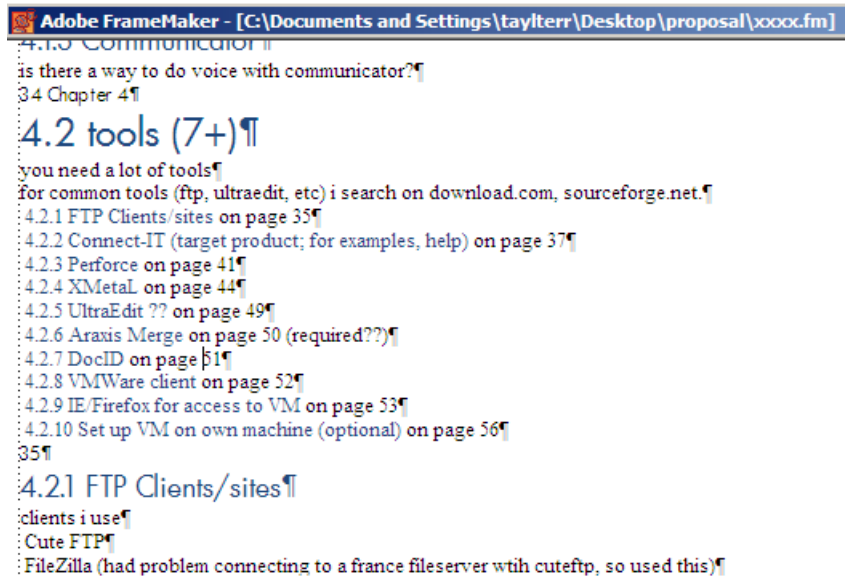
4.1 FM: Copy PDF text to Framemaker

open pdf.

put cursor in text area.

ctrl a / ctrl c.

copy into framemaker file.



4.2 FM: Change paragraph formats (main effort)

Paragraph-by-paragraph manually change the paragraph format.

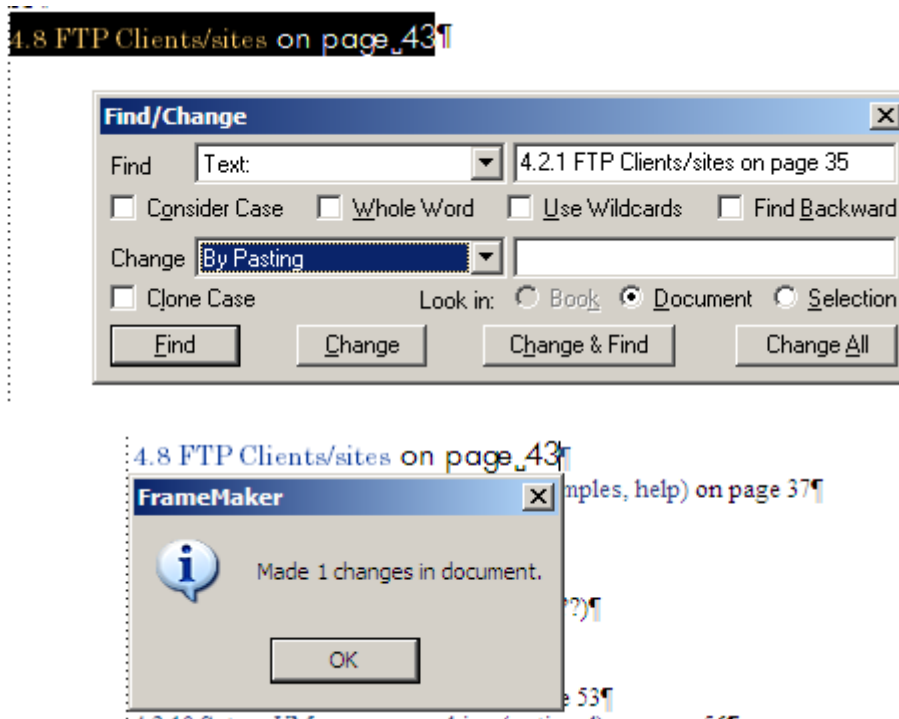
4.3 FM: Add tables and pics

not many tables, only 70 pics. not a big effort. no risk.

4.4 FM: Cross references

Annoying, but have to recreate them all. however, you can copy (ctrl a) a cross reference and then use find to find and paste automatically. :)

1. select the text to find "4.2.9 IE/Firefox for access to VM on page 53"
2. add in the find dialog
3. add the cross reference.
4. ctrl a the cross reference.
5. select change by pasting.
6. click change all.



4.5 FM: Title page, index entries, etc

from template. index entries have to add (but not critical).

4.6 FM: Add help filename markers (optional)

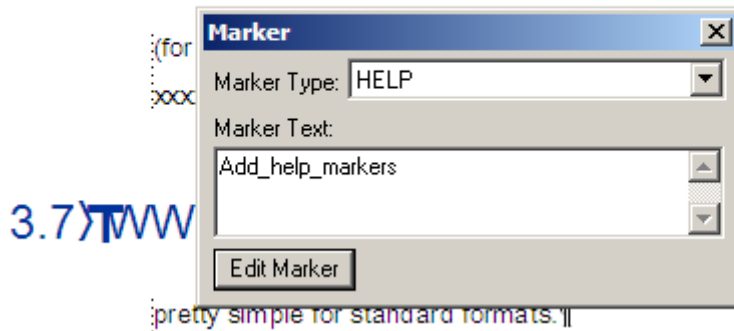
special / marker.

select edit.

create a marker type (HELP).

add a marker anywhere in heading. WW will create html file name as specified by marker.

3.6 FM: Add help filename markers (optional)

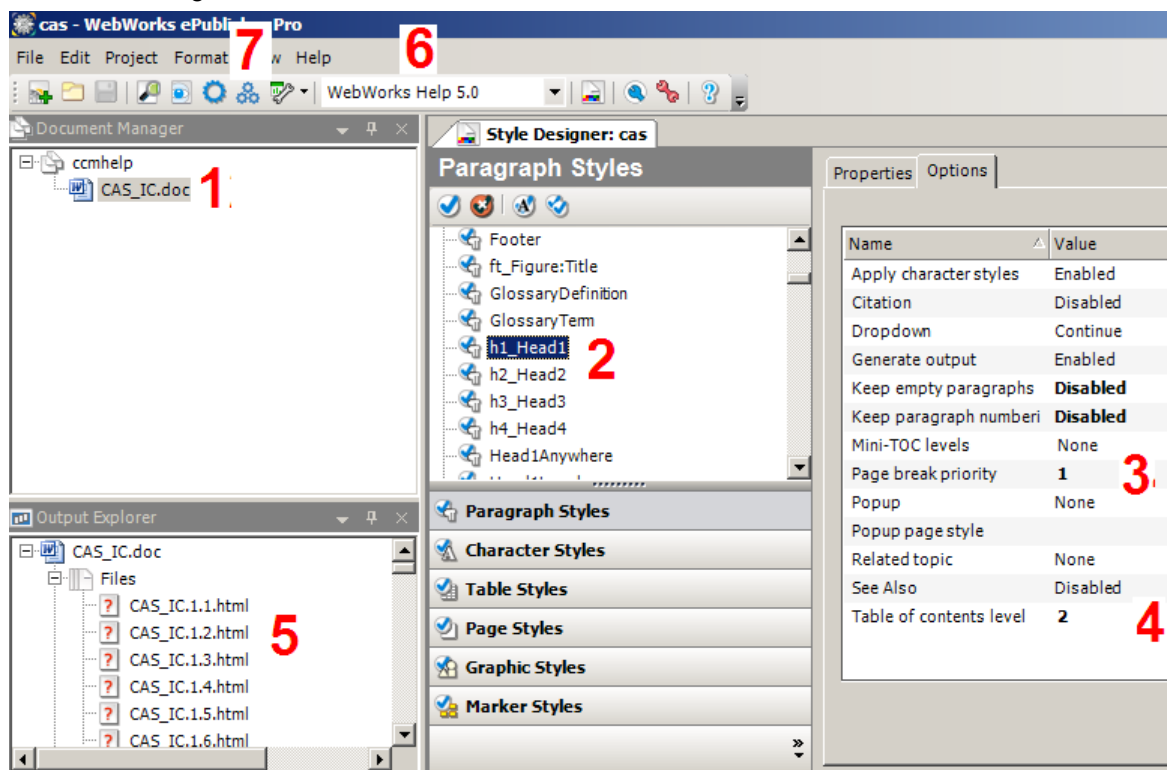


4.7 WW: Create help project(s)

pretty simple for standard formats.

the following shows the required setting in webworks to generate something:

1. add source files.
2. for paragraph styles in source doc: setup styles
 3. specify if creating new html page for heading style
 4. specify if paragraph style is in table of contents
5. webworks shows resulting html files.
6. specify help type to generate
7. click on icon "generate all".



5 CURRENT system

This chapter describes in detail the current CIT doc system that was developed in France. This chapter is mainly fyi for the writers in Shanghai.

- [5.1 Basic problems](#) on page 38
- [5.2 Get tech assistance \(France\)](#) on page 39
- [5.3 Install/config tools \(7+\)](#) on page 41
- [5.4 Checkout \(Perforce\)](#) on page 64
- [5.5 Find source files / content \(ultraedit\)](#) on page 65
- [5.6 Copy/add files \(perforce\)](#) on page 66
- [5.7 Create changelist \(Perforce\)](#) on page 67
- [5.8 open files \(Xmetal\)](#) on page 68
- [5.9 Add files \(chapter sections\) to help/pdf \(Xmetal\)](#) on page 69
- [5.10 Edit text \(XMetaL\)](#) on page 71
- [5.11 edit DocID's \(xmetal/ultraedit/docid\)](#) on page 72
- [5.12 Correct errors \(Merge\) ??](#) on page 79
- [5.13 Commit \(perforce\)](#) on page 79
- [5.14 Generate DOC/HELP \(VM\)](#) on page 80
- [5.15 Download HELP/PDF \(ftp\)](#) on page 82

5.1 Basic problems

- a manually generated unique id for every xml element
 - **links are EXTREMELY difficult to create/manage.** putting a docid on everything creates unforeseen complications, especially when creating new files from other content. see [5.11 edit DocID's \(xmetal/ultraedit/docid\)](#) on page 72 (especially [5.11.5 copied text with links step2: reverse errors \(xmetal\)](#) on page 78).
 - **Translations are repeated ?** in current system a unique docid identifies each sentence. NOT unique content. therefore, if same sentence appears, translated twice?
- b **managing chapters/sections very complicated** see [5.9 Add files \(chapter sections\) to help/pdf \(Xmetal\)](#) on page 69
- c **bad editor (xmetal)**
 - **does not show cross-reference text!!!!** [5.10 Edit text \(XMetaL\)](#) on page 71
 - **difficult to use.** 7 year old version. if you dont put cursor at beginning of file, will not find all search instances (such minor things are quite irritating).
 - **provides no overview of book.** so you have to manually complicated way find stuff [5.5 Find source files / content \(ultraedit\)](#) on page 65
 - **Working in XML is VERY difficult, tedious and error-prone.** And not required: should be using a "What you see is what you get" WYSIWYG editor (Framemaker) and a recent supported version of tools.
- d **complicated pdf/help creation**
 - **Doc sources and creation tools are not on writers PC.** current system is on some VM in France. When a writer is tasked with creating a doc, he should be able to get everything he needs copied to his PC and not require anything else.
 - **PDF/Help creation is complicated customized process.** the current is an opaque process with scripts. This is risky.
 - **Creating help requires (shared) 20GB VM.** right now sharing the vm in france. but if someone else needs to create help then i must wait.
- e **tool complexity**
 - **many tools** [5.3 Install/config tools \(7+\)](#) on page 41
 - **Change-tracking (Perforce) docs.** This is Not required. Backup and version tracking is however. There are simple and effective ways to do this (the docs must be "copied" into Perforce for the build perhaps, but not required to change-track them there).

5.2 Get tech assistance (France)

- 5.2.1 Phone calls on page 39
- 5.2.2 Netmeeting on page 39
- 5.2.3 Communicator on page 40

5.2.1 Phone calls

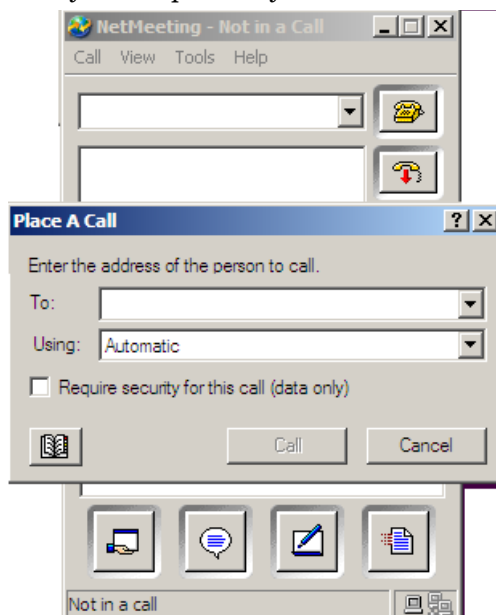
Christophe called my mobile in Nanjing. did not run down my phone charges, so guess it was local call. seems like sharing the desktop with him while he tells you on phone what to do is best approach).

5.2.2 Netmeeting

works ok france-nanjing.

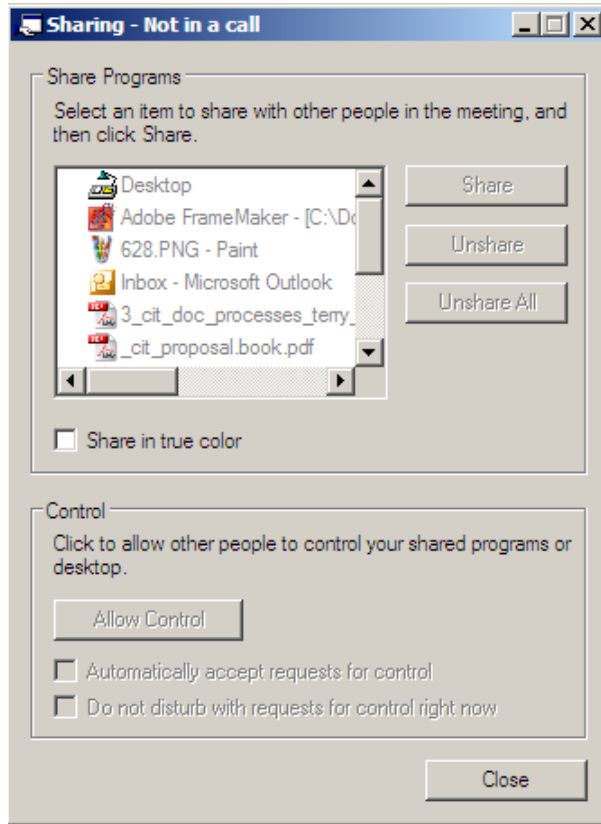
get your ip (in dos window run ipconfig, get the ip address of PPP adapter remote access to hp network (if working from home with activekey).

have your helper call you.



answer.

share the desktop (can also allow control)



5.2.3 Communicator

is there a way to do voice with communicator?

5.3 Install/config tools (7+)

you need a lot of tools

for common tools (ftp, ultraedit, etc) i search on download.com, sourceforge.net.

- [5.3.1 FTP Clients/sites](#) on page 42
- [5.3.2 Connect-IT \(target product; for examples, help\)](#) on page 44
- [5.3.3 Perforce](#) on page 48
- [5.3.4 XMetaL](#) on page 51
- [5.3.5 UltraEdit ??](#) on page 56
- [5.3.6 Araxis Merge](#) on page 57 (required??)
- [5.3.7 DocID](#) on page 58
- [5.3.8 VMWare client](#) on page 59
- [5.3.9 IE/Firefox for access to VM](#) on page 60
- [5.3.10 Set up VM on own machine \(optional\)](#) on page 63

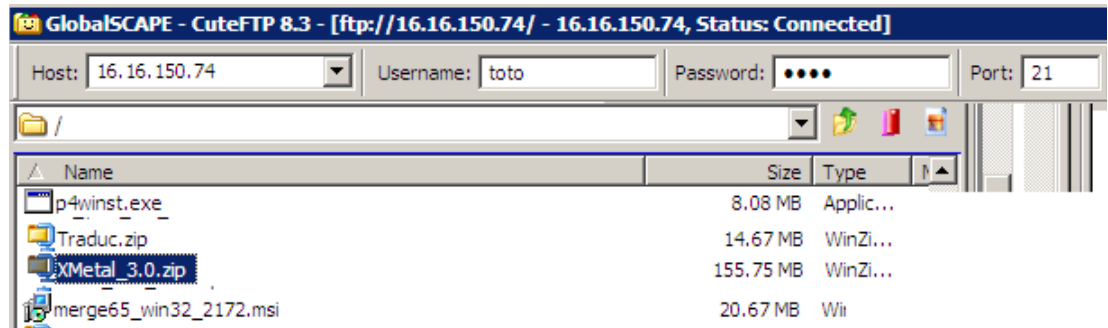
5.3.1 FTP Clients/sites

clients i use

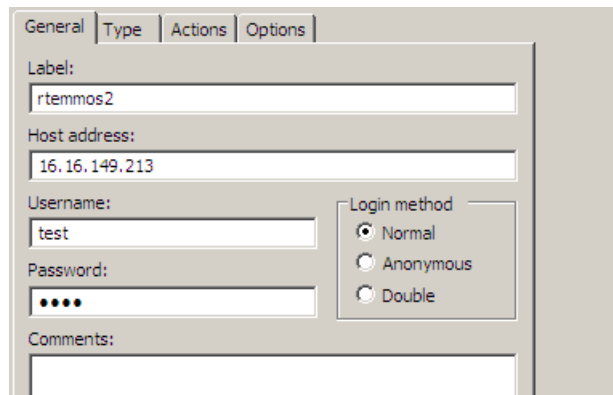
- Cute FTP
- FileZilla (had problem connecting to a france fileserver wtih cuteftp, so used this)

sites you will use

- TOTO 16.16.150.74

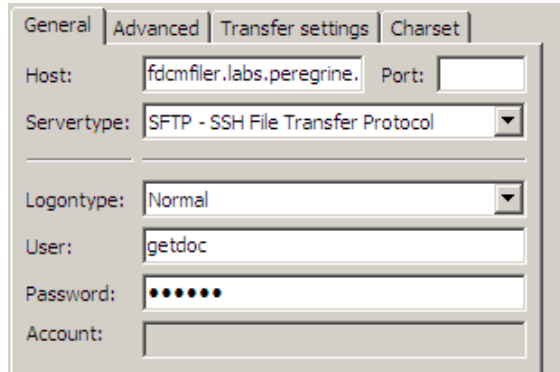


- rtemmos2 16.16.149.213

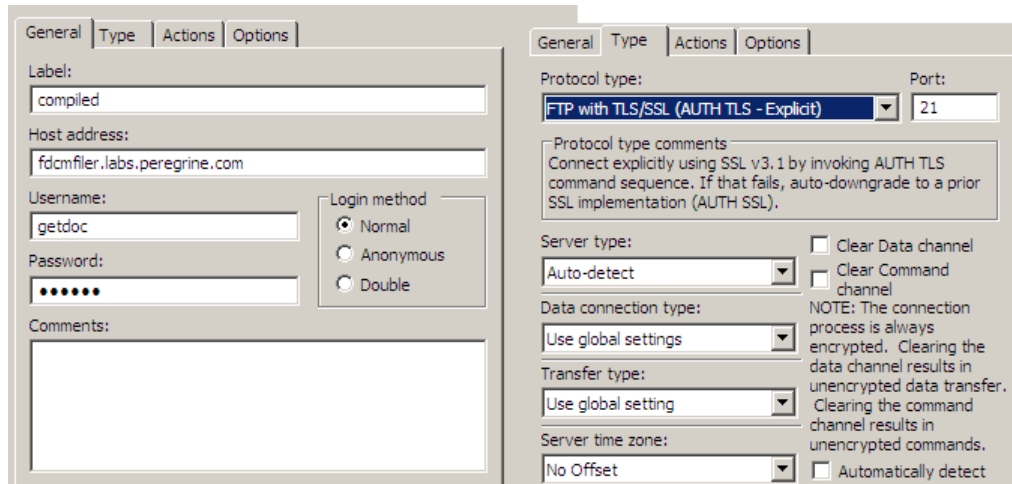


- compiled fdcmler.labs.peregrine.com

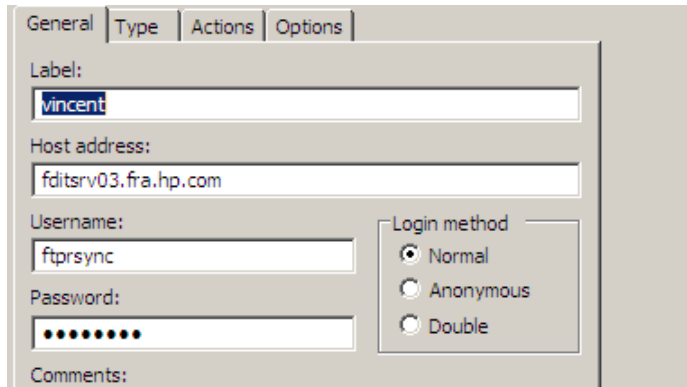
- filezilla... had problems with cuteftp, so use this



- cuteftp



- vincent's ftp



5.3.2 Connect-IT (target product; for examples, help)

need connect-it because

- its impossible to get an overview of the doc in the doc tools. so look at connect-it online help and pdf
- go thru connectors to see all the settings

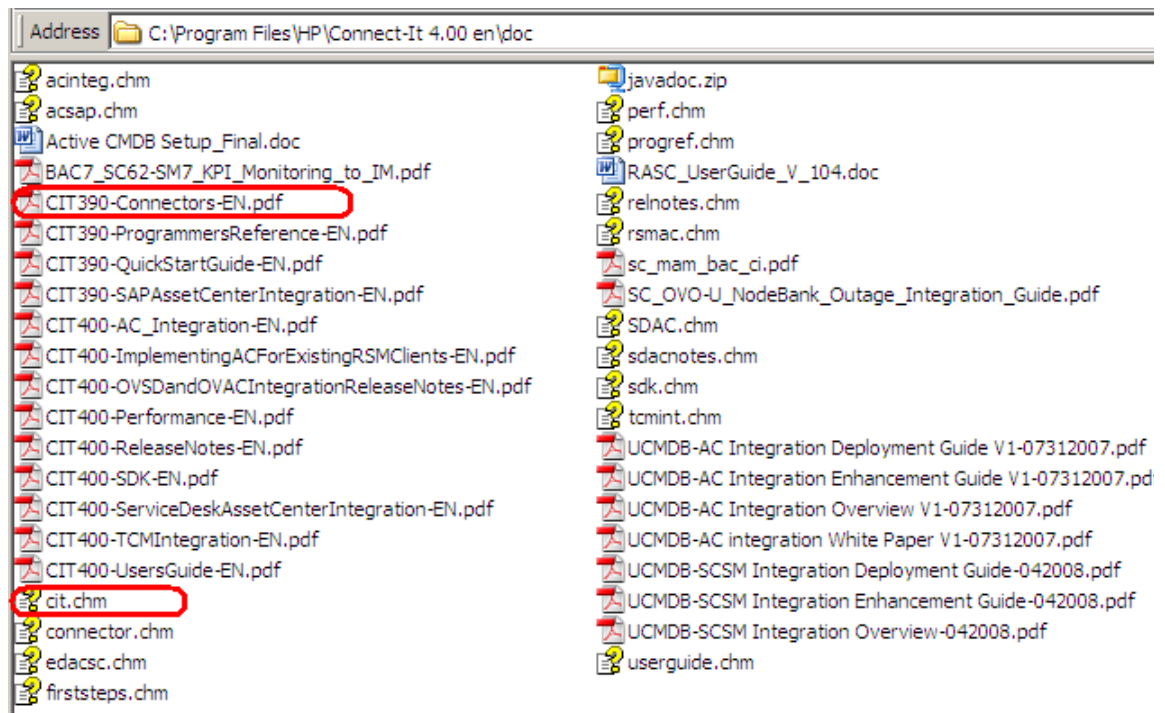
- 5.3.2.1 install on page 44
- 5.3.2.2 doc dir on page 44
- 5.3.2.3 help (cit.chm) on page 45
- 5.3.2.4 pdf (CIT390-Connectors-EN.pdf) on page 46
- 5.3.2.5 setup connector on page 46

5.3.2.1 install

xxx

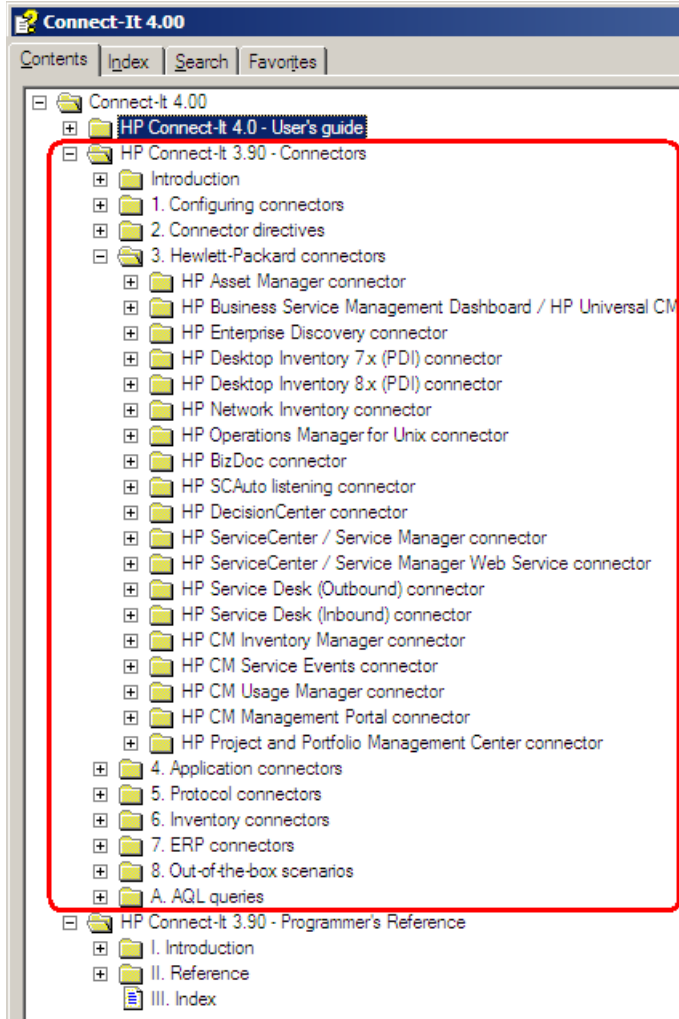
5.3.2.2 doc dir

all docs



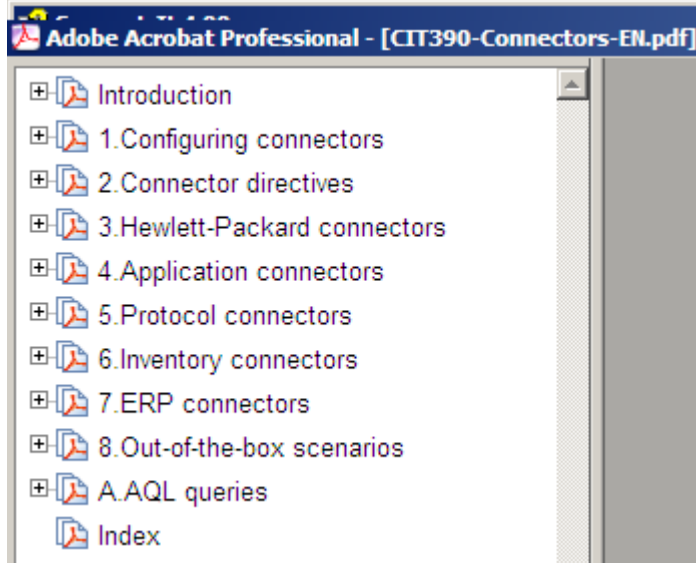
5.3.2.3 help (cit.chm)

the help shown below (circled in red is content of connector pdf). note that the help is well organized and written, but sometimes kind of rough-looking (i think because its too difficult to maintain)



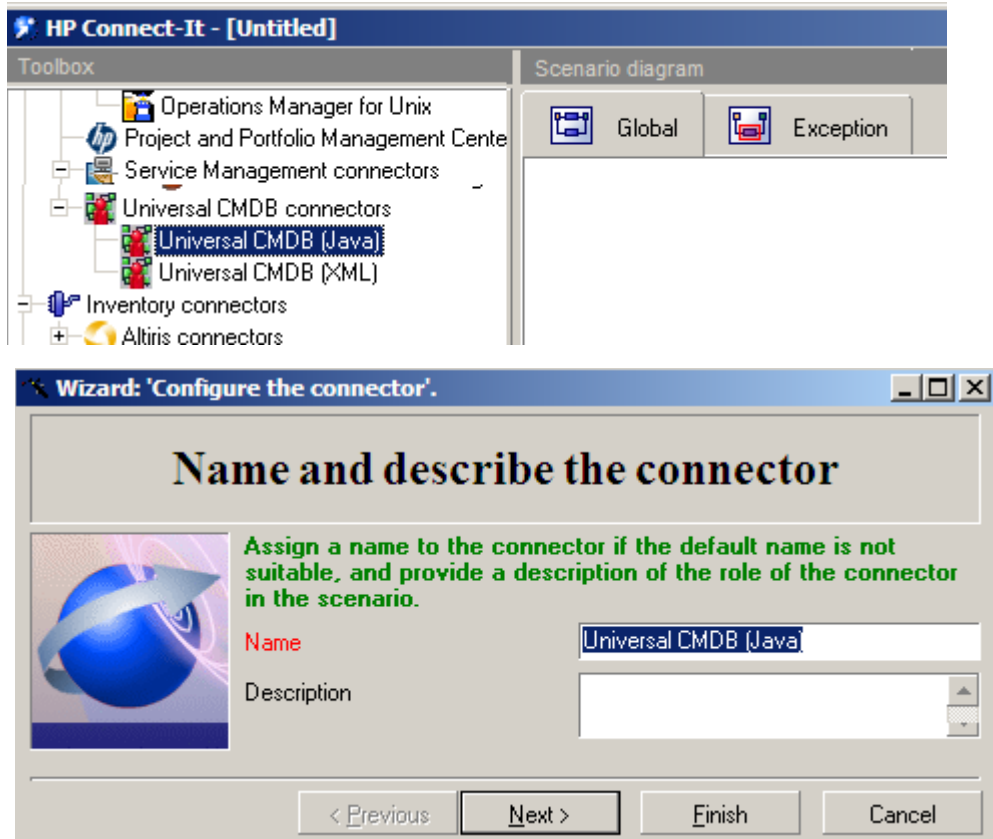
5.3.2.4 pdf (CIT390-Connectors-EN.pdf)

xxx



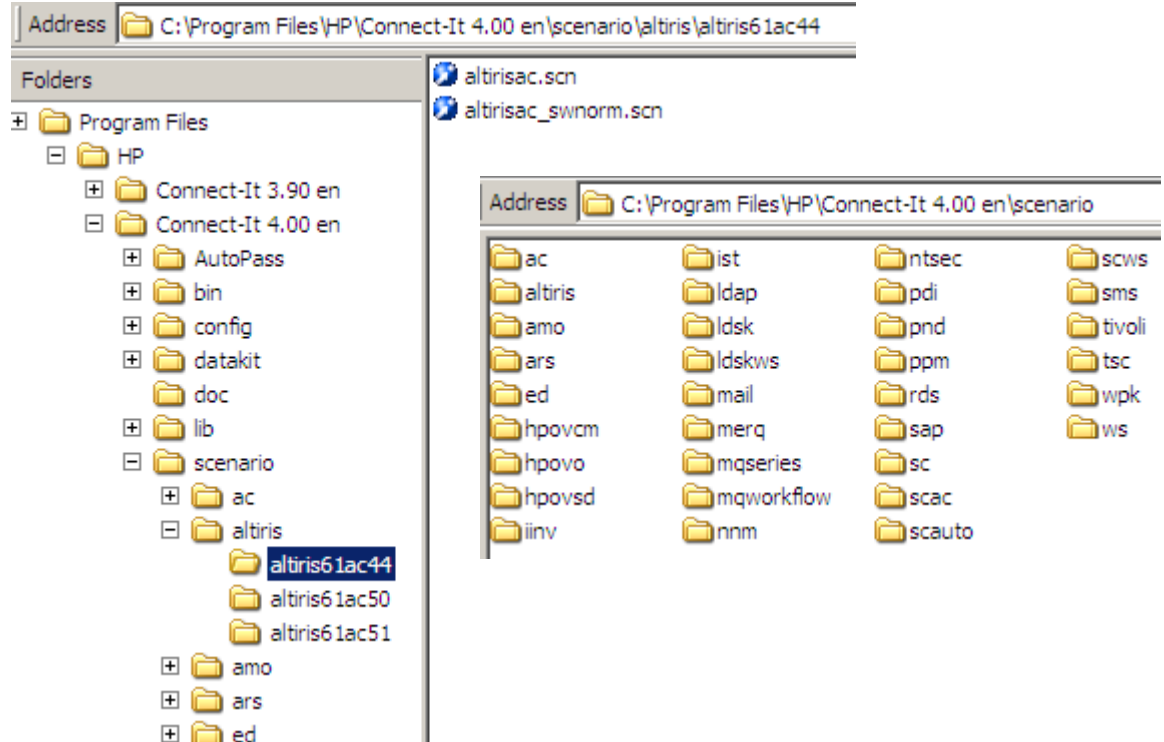
5.3.2.5 setup connector

you can drag a connector to the scenario diagram, and then enter details.

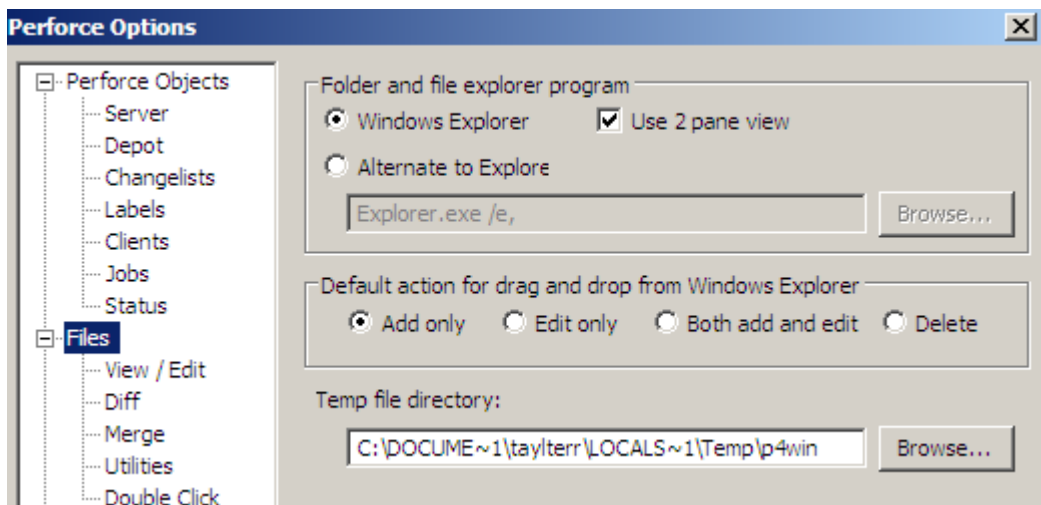
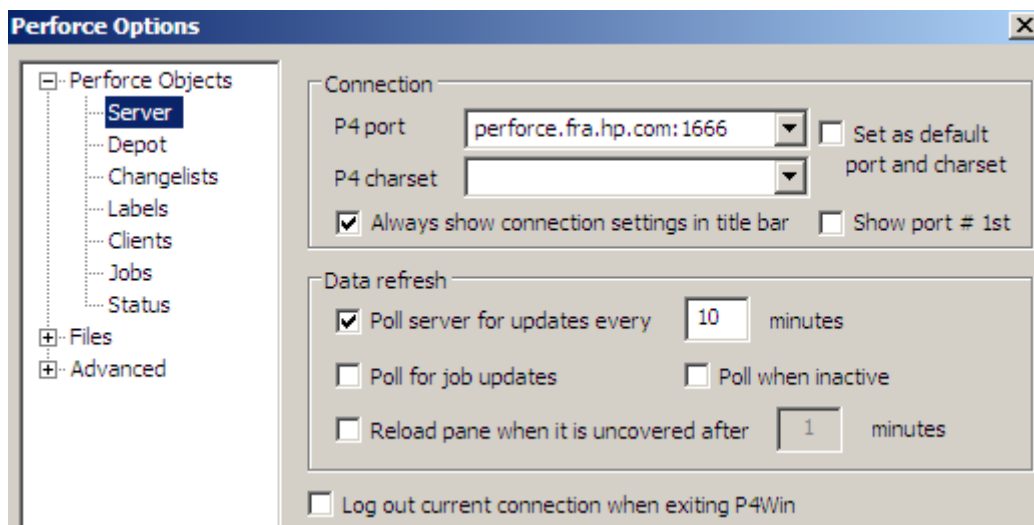
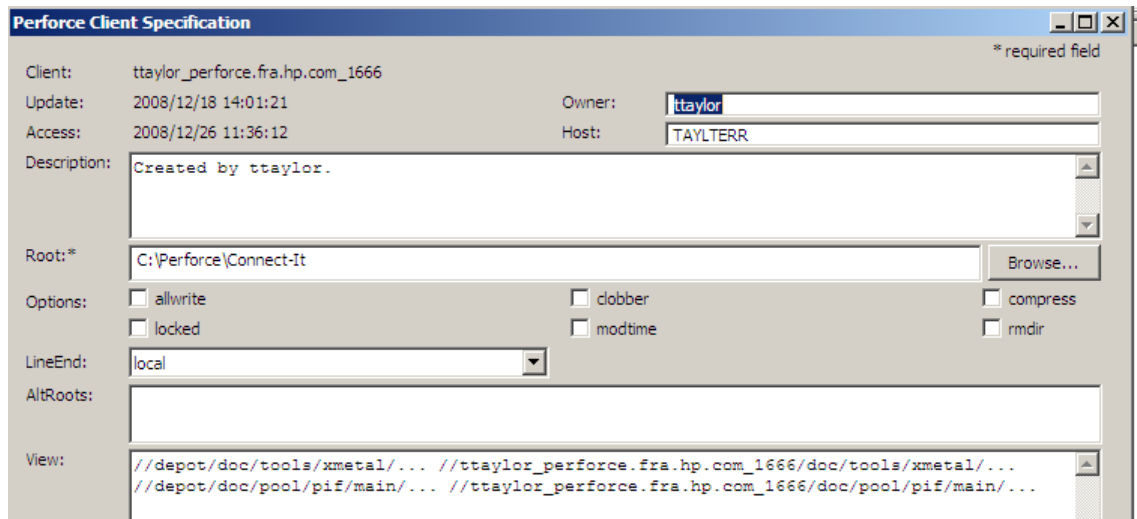


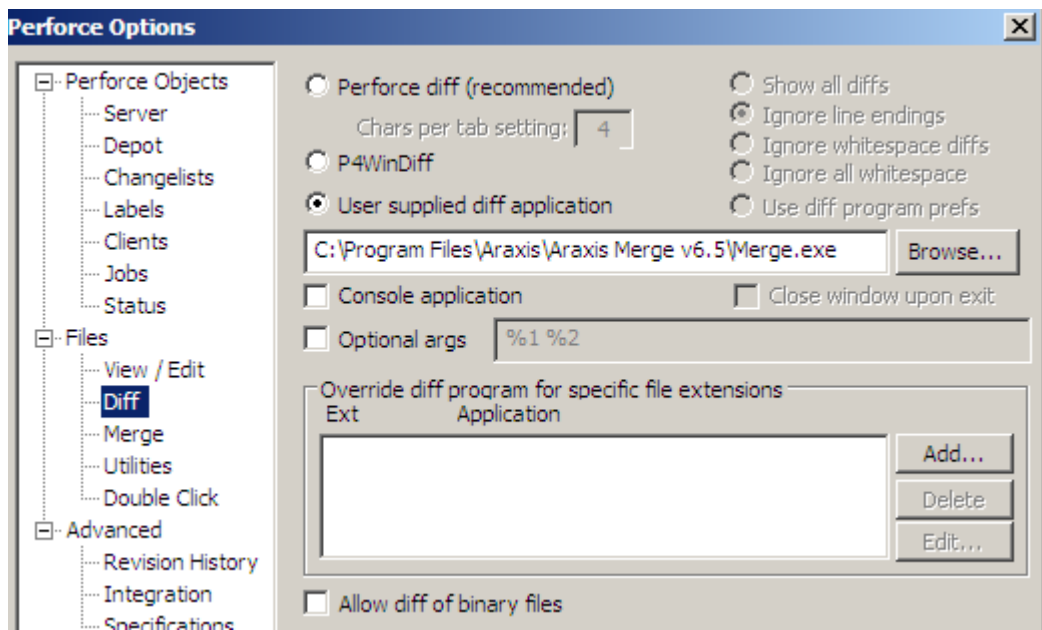
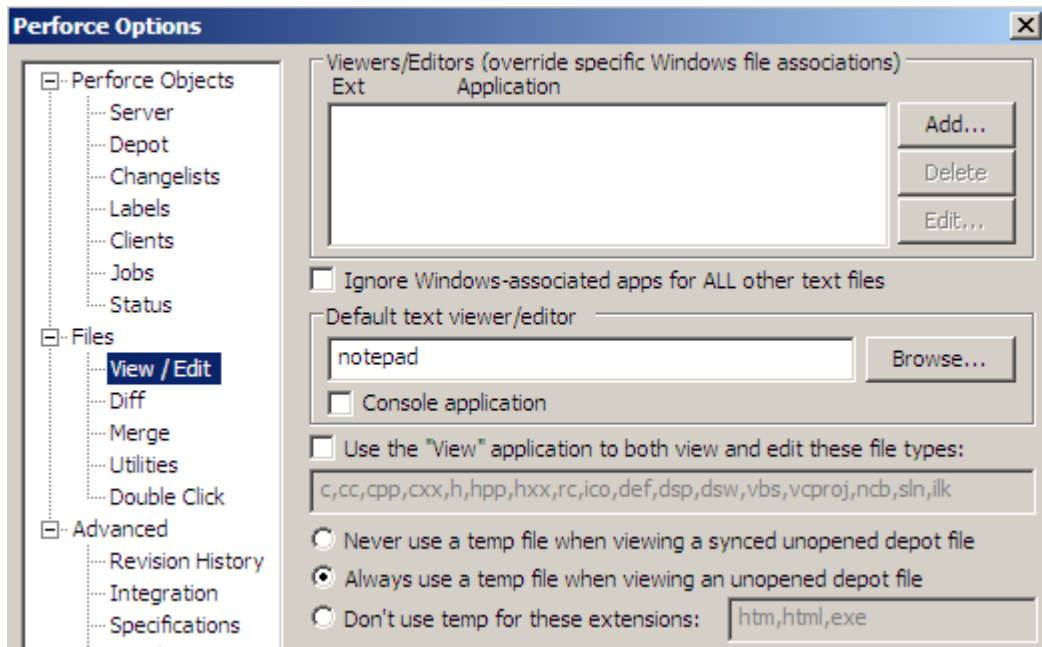
but maybe better to ask Byron for a real scenario (.scn). this will have the connection settings to a working backend, and this is better for pics and may be required to get to some dialogs.

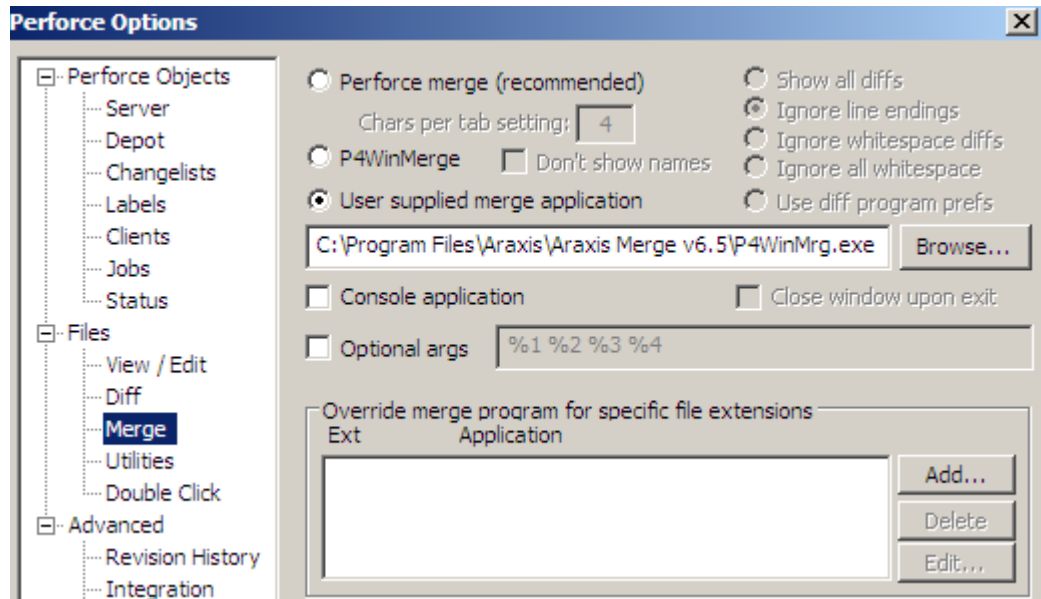
also: example connector scenarios in \scenario. about 500-600??



5.3.3 Perforce



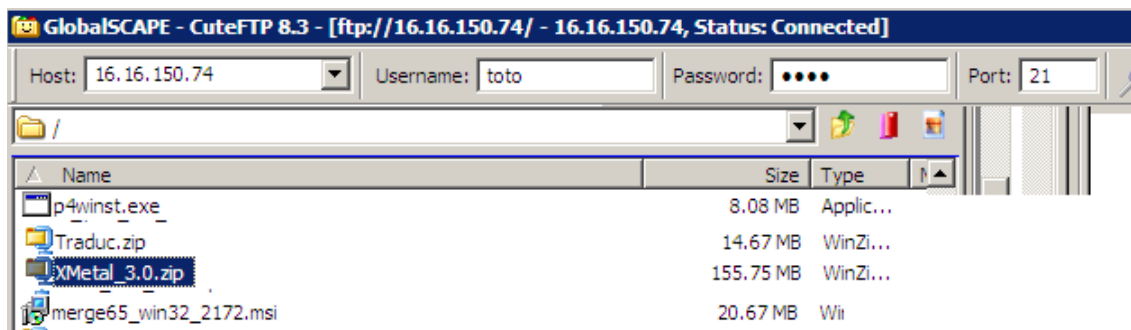




5.3.4 XMetal

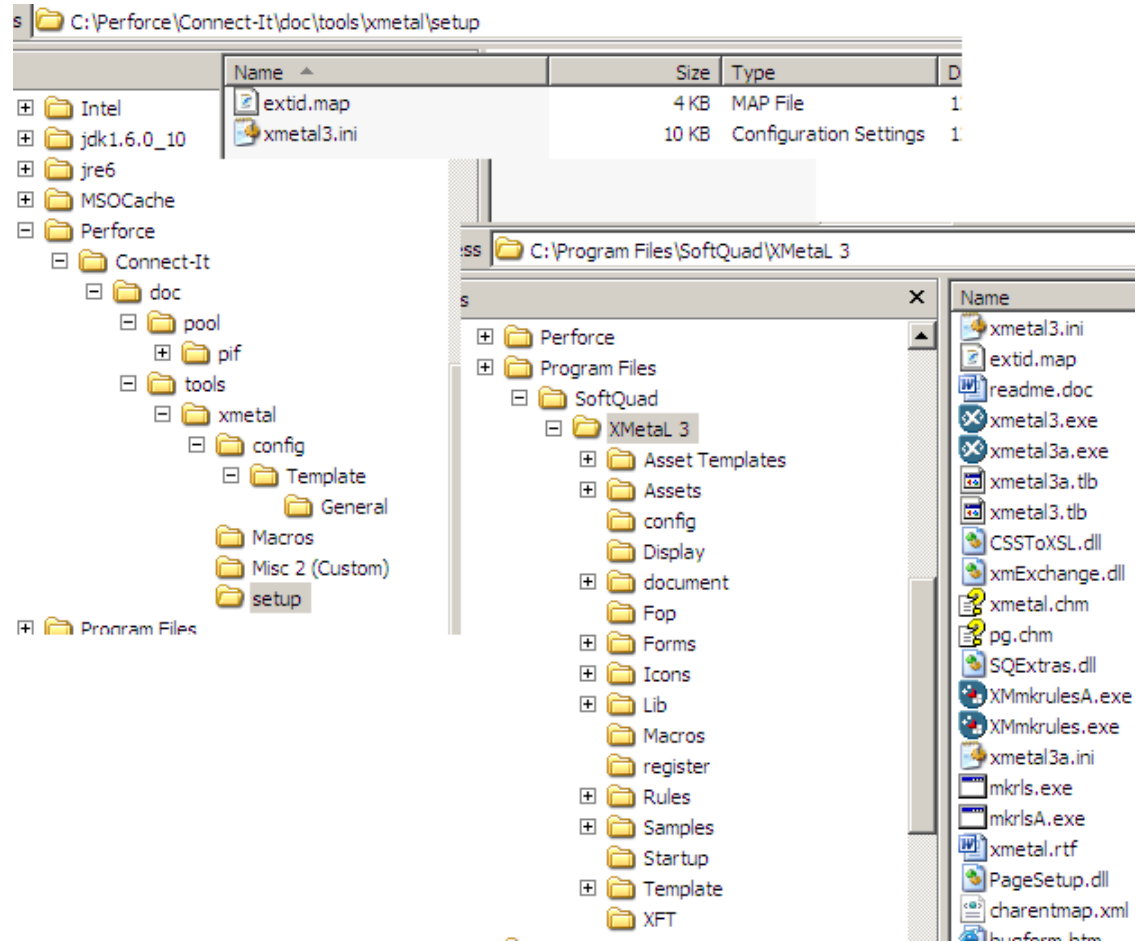
- 5.3.4.1 Download/Install on page 51
- 5.3.4.2 Copy/edit config files on page 52
- 5.3.4.3 New file (test) on page 54
- 5.3.4.4 Open file on page 55

5.3.4.1 Download/Install



5.3.4.2 Copy/edit config files

copy files from perforce to xmetal3 install dir



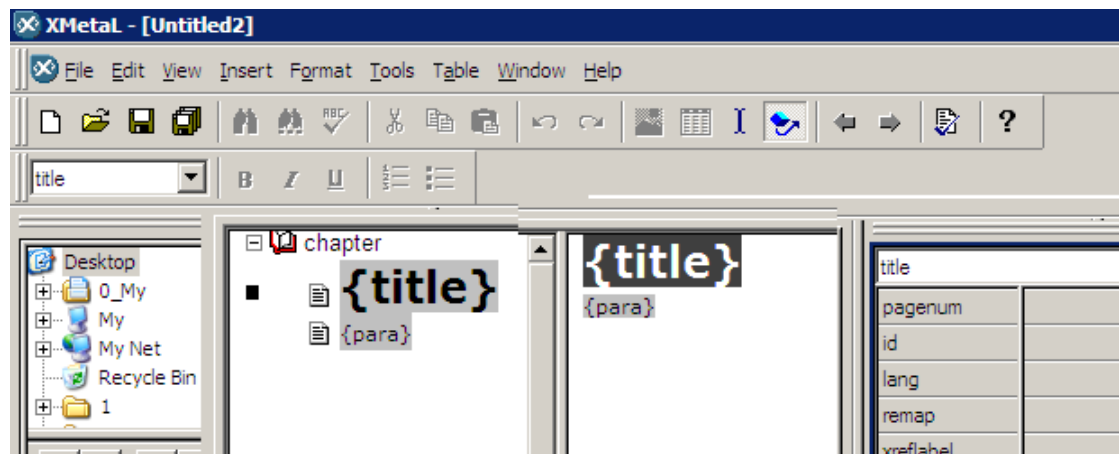
need following changes

```
extid.map - WordPad
File Edit View Insert Format Help
! "docbookx.dtd" "C:/Perforce/Connect-It/doc/tools/xmetal/config/docbookx.rlx"
! "readme.dtd" "C:/PerforceBlr/doc/tools/readme/dtd/readme.rlx"

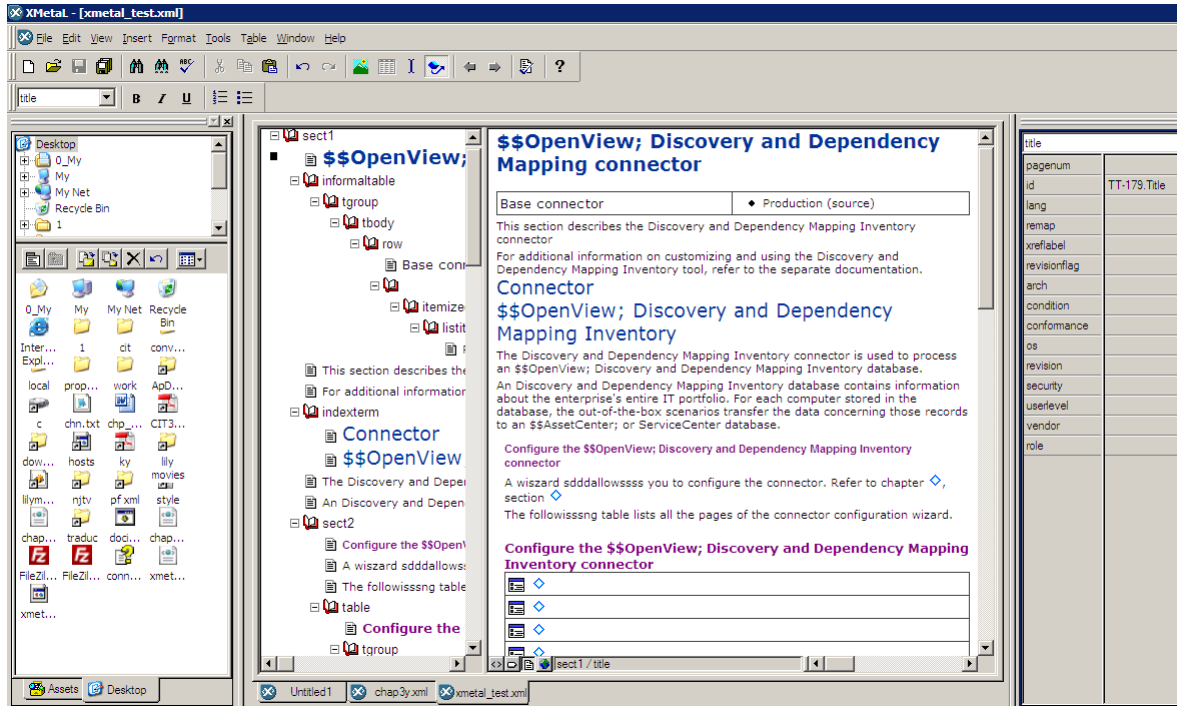
xmetal3.ini - WordPad
File Edit View Insert Format Help
# Where to initialize file chooser when using ASCII display styles or
# loading templates
ascii_styles_path = $(SODIR)\display
templates path = C:\Perforce\Connect-It\doc\tools\xmetal\config\Template
# Where to initialize file chooser when adding browsers or viewers
html_browser_path = \
image_viewer_path = \
# Defines macros loaded into XMetaL (use Load Macro menu)
macro_path = C:\Perforce\Connect-It\doc\tools\xmetal\Macros
macro_file = C:\Perforce\Connect-It\doc\tools\xmetal\Macros\xmetal.mcr
```

5.3.4.3 New file (test)

open. should look like following



5.3.4.4 Open file



5.3.5 UltraEdit ??

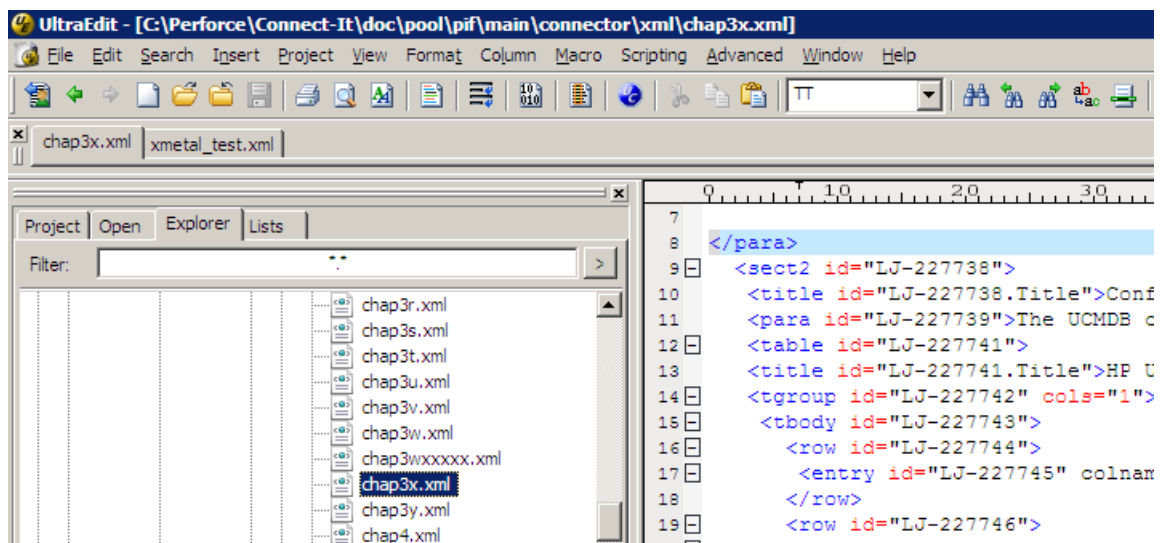
TERRY: i think this is required because has better functionality for find/replace docids... but maybe xmetal is ok.

http://www.download.com/3001-20_4-9177.html?spi=6b1e8780eeff441ec8cca28c54b9c364
msi installer.

45 day trial.

v14.20

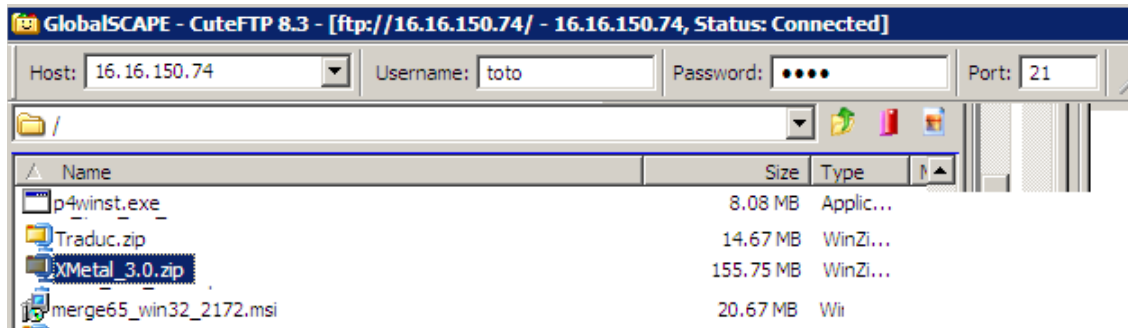
should be licensed installer somewhere at hp.



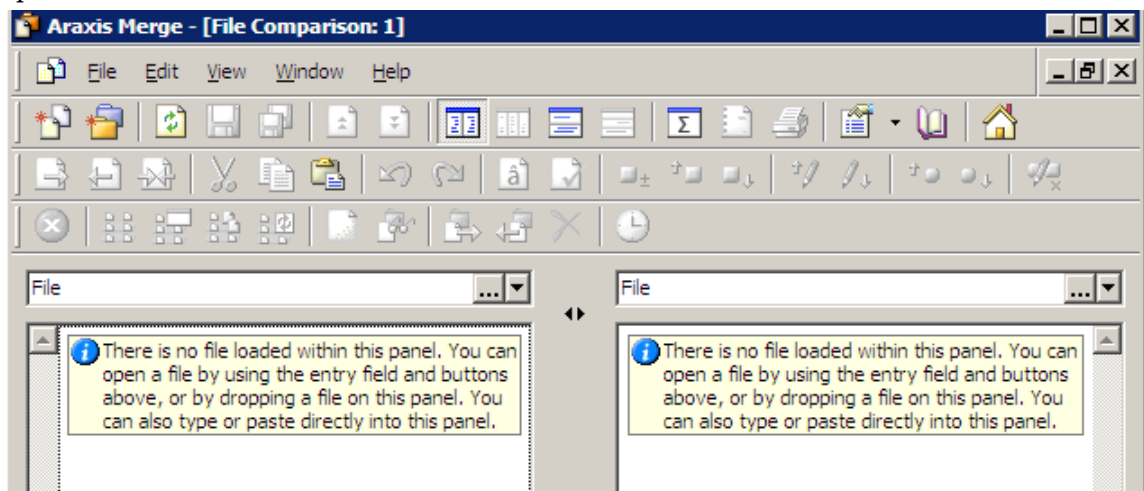
5.3.6 Araxis Merge

compare files.

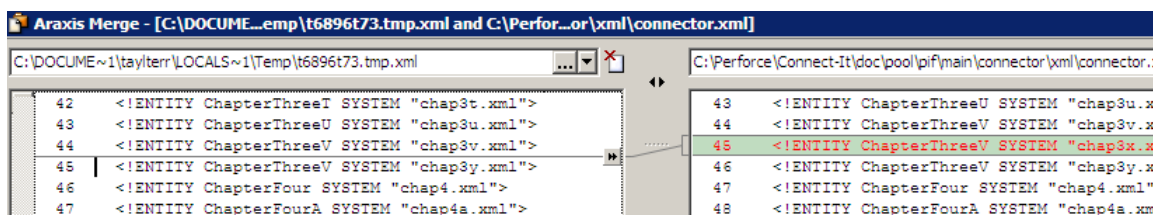
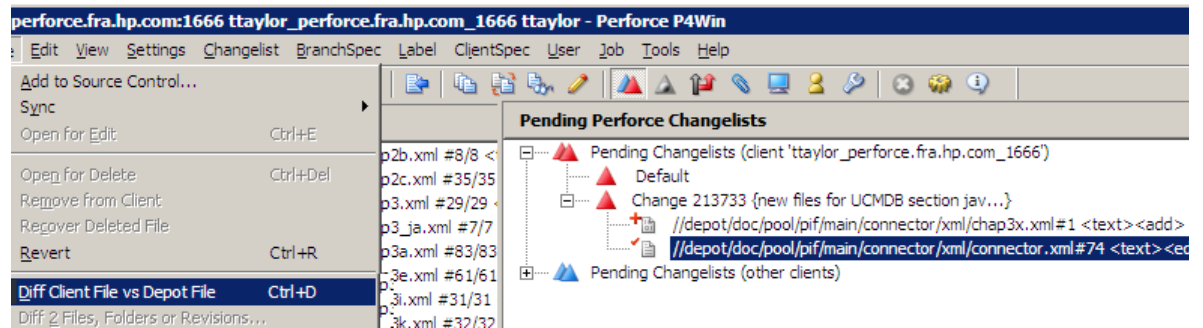
TOTO 16.16.150.74



open

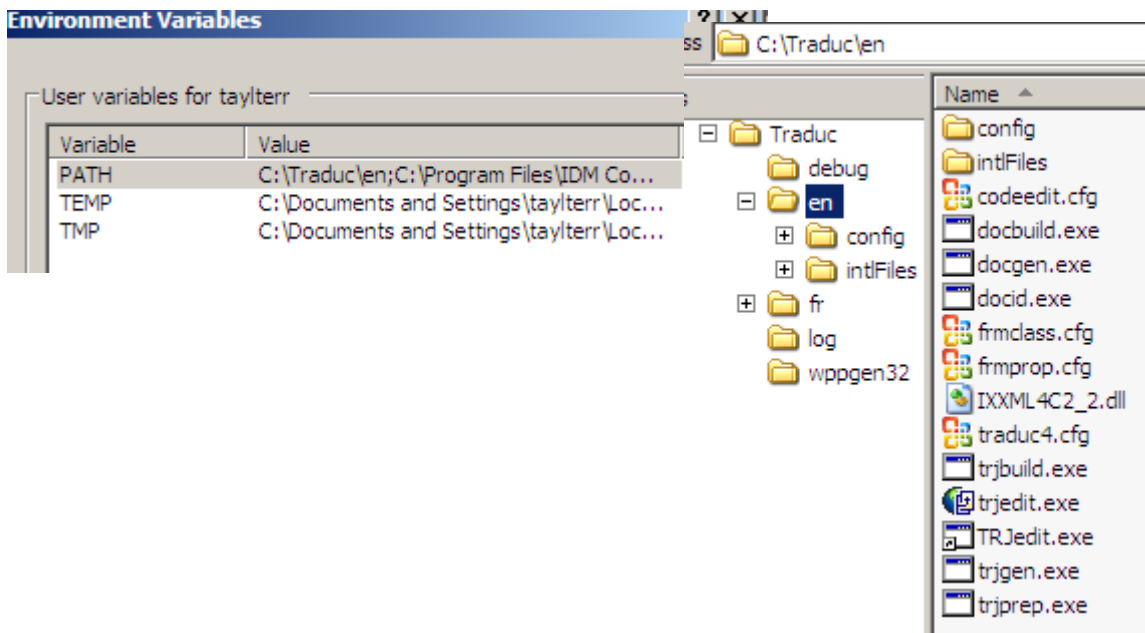
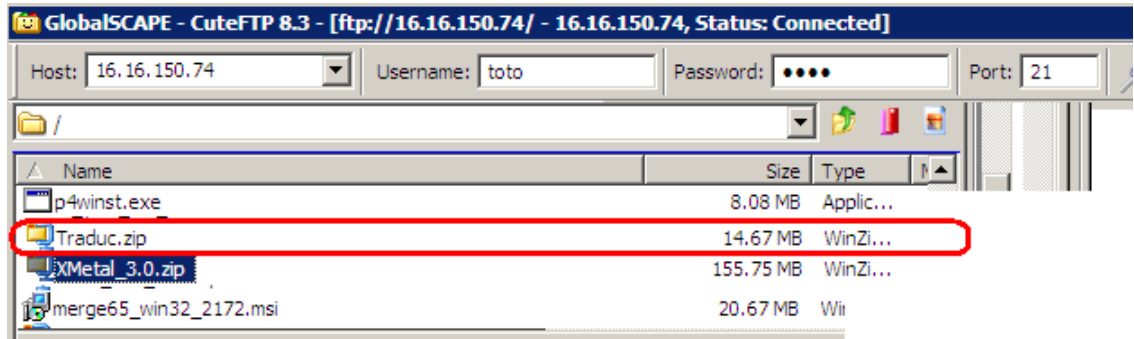


test



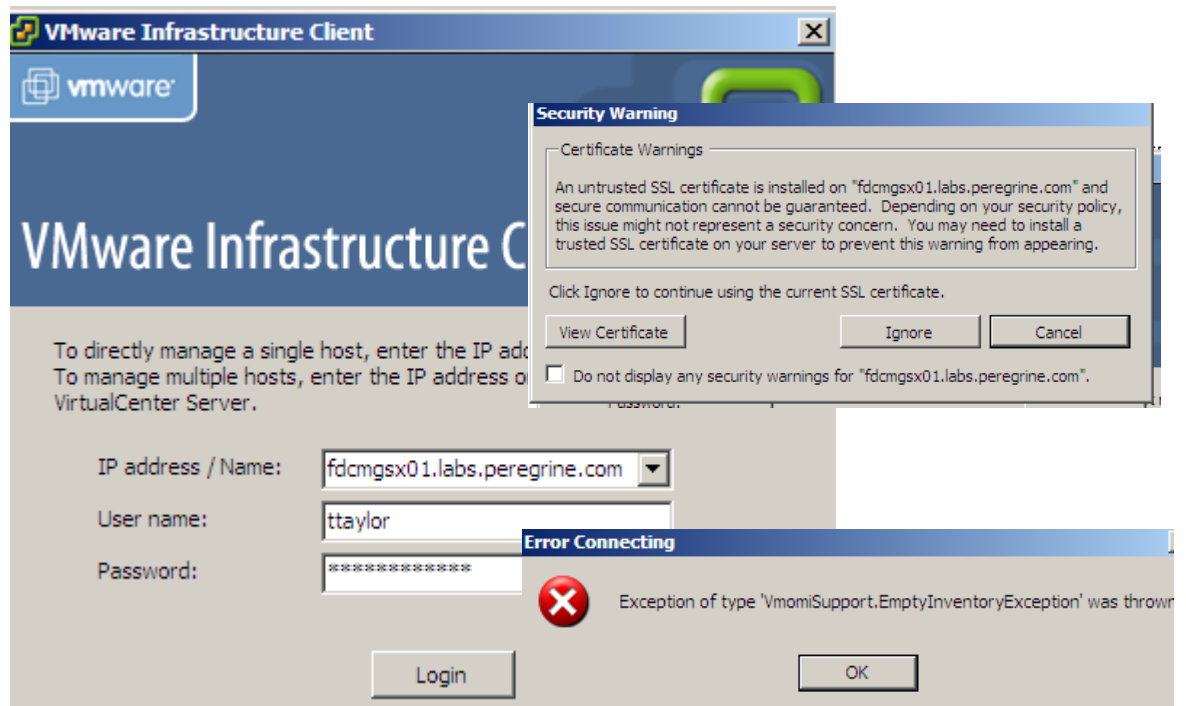
5.3.7 DocID

put in path



5.3.8 VMWare client

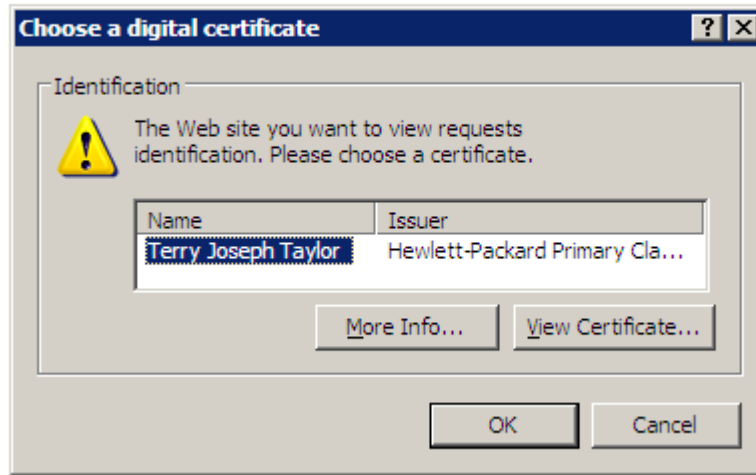
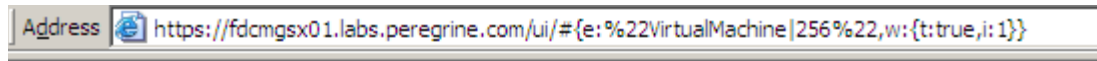
someone reinstalled in france in early january, and cant use this client now for some reason.. worked before.



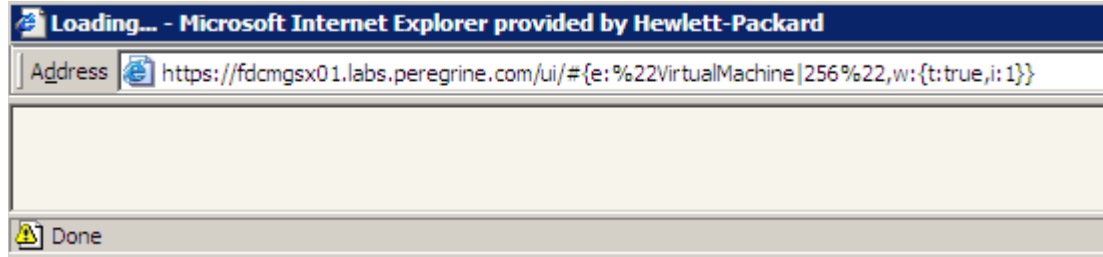
5.3.9 IE/Firefox for access to VM

this does not work well.. try following

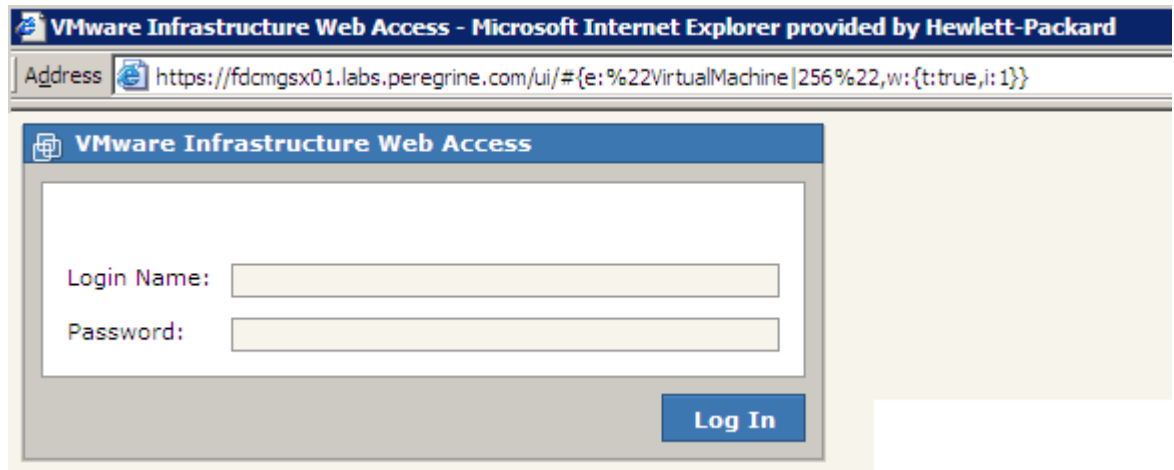
```
https://fdcmgsx01.labs.peregrine.com/ui/  
#{e:%22VirtualMachine|256%22,w:{t:true,i:1}}
```



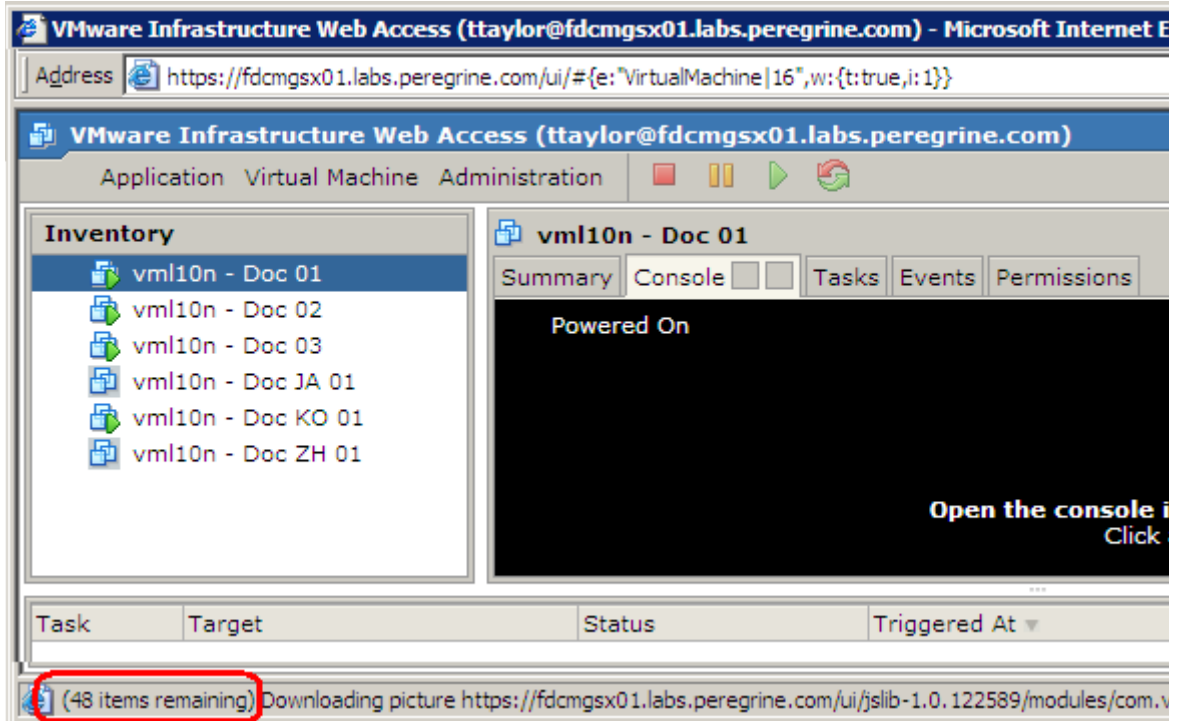
the following hangs up usually...



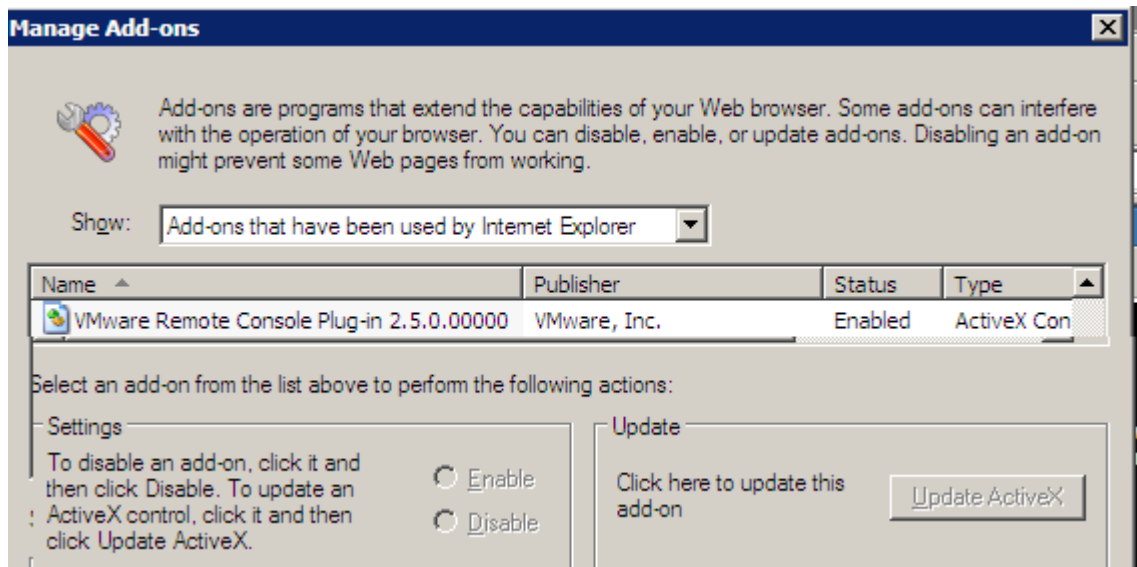
do a refresh and usually get login window



now a very strange problem... when you click on the console, it does not start.



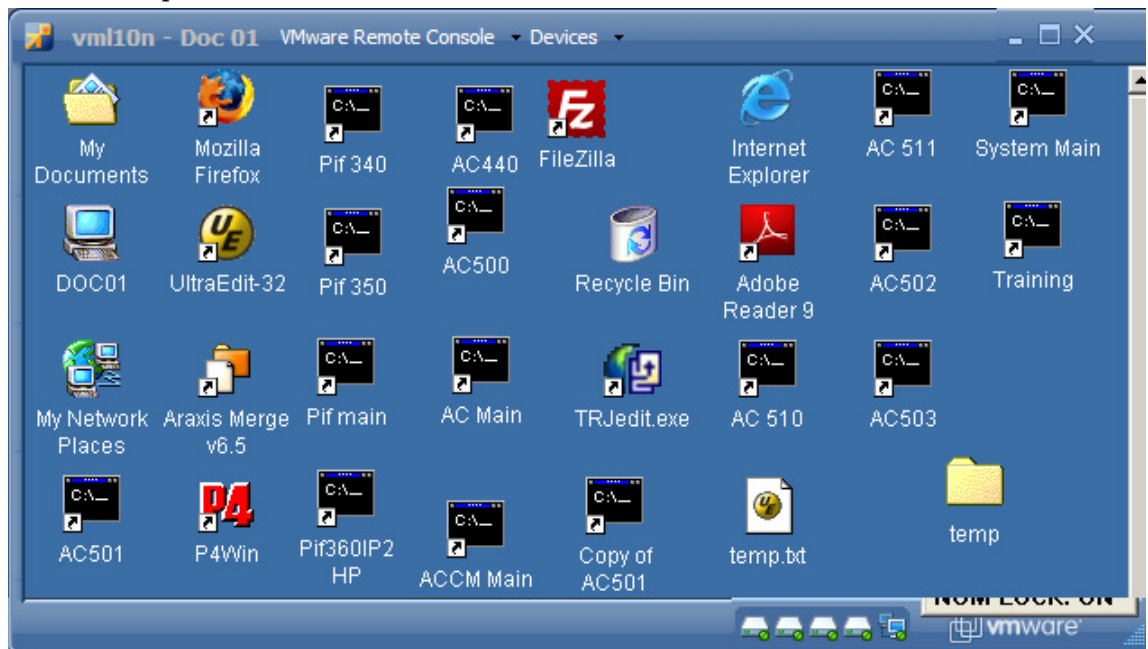
if you look in addons for ie, then the vmware addin is there, but not in list of active.



anyway... refresh, restart, etc. ie until it comes up. still not sure exactly what to do. maybe try firefox.



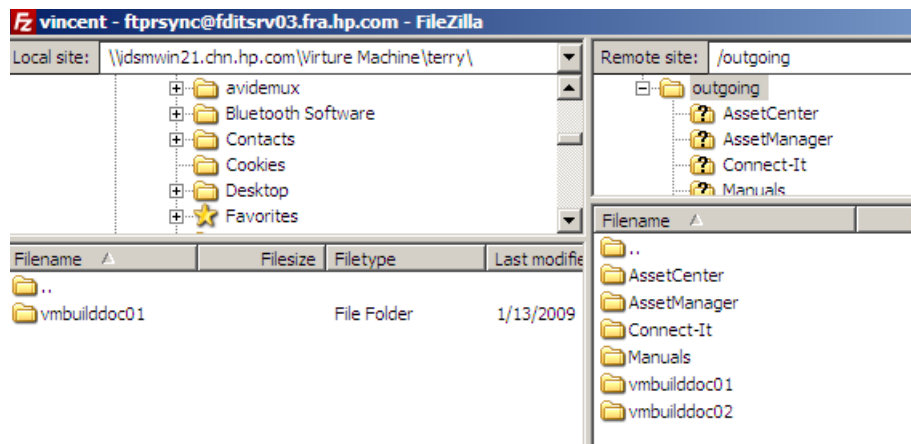
doc01 desktop



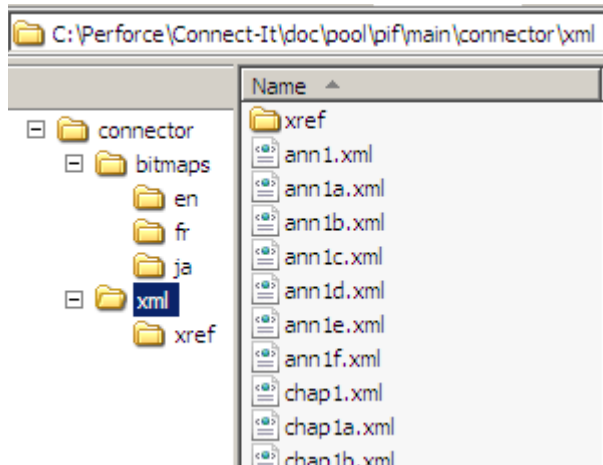
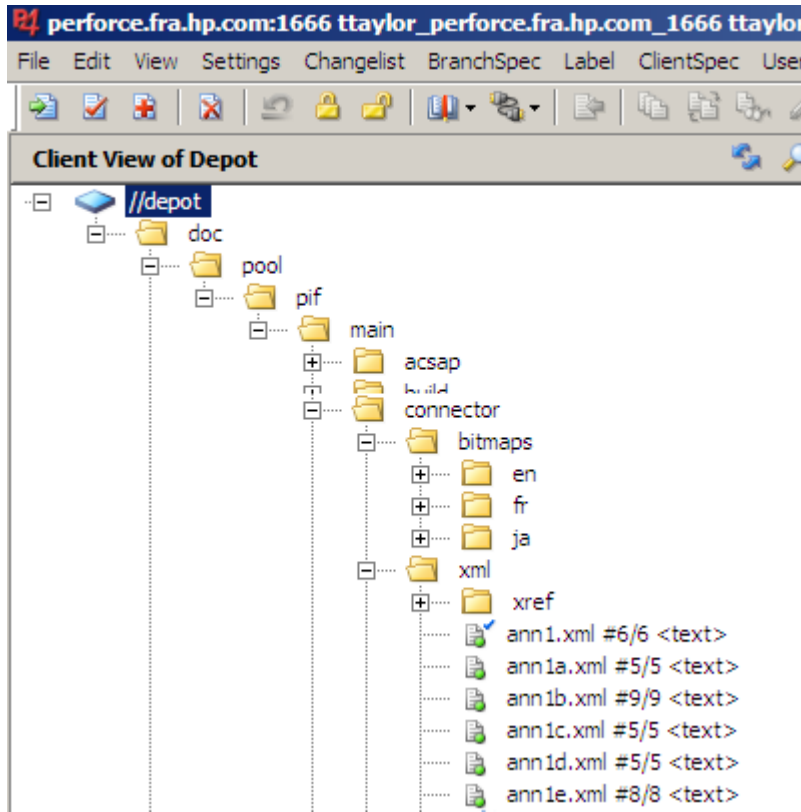
5.3.10 Set up VM on own machine (optional)

this appears to be quite complicated, but i plan to try it soon. need to setup so that created files are stored locally. files at vincent's ftp:

Name	Size	Type	Modified	Attributes
nvram	8.48 KB	File	1/7/2009 1:39:00...	-rwxr-xr-x
nvram.sav	8.46 KB	SAV File	1/7/2009 1:39:00...	-rwxr-xr-x
USERS.txt	69 bytes	TXT File	1/7/2009 1:38:00...	-rwxr-xr-x
vmware-0.log	64.13 KB	Text ...	1/7/2009 1:39:00...	-rw-r--r--
vmware-1.log	65.45 KB	Text ...	1/7/2009 1:38:00...	-rw-r--r--
vmware-2.log	65.24 KB	Text ...	1/7/2009 1:38:00...	-rw-r--r--
vmware.log	64.04 KB	Text ...	1/7/2009 1:38:00...	-rw-r--r--
win2000Pro.vmx	3.08 KB	VMwa...	1/7/2009 1:39:00...	-rwxr-xr-x
win2000Pro.vmx.sav	2.69 KB	SAV File	1/7/2009 1:38:00...	-rwxr-xr-x
win2000Pro.vmx.f	265 bytes	VMXF ...	1/7/2009 1:52:00...	-rw-----
Windows 2000 Professional (1).vmdk	2.03 GB	VMwa...	1/7/2009 1:44:00...	-rwxr-xr-x
Windows 2000 Professional (1).vmdk.READLOCK	11 bytes	READ...	1/7/2009 1:52:00...	-r--r--r--
Windows 2000 Professional (1).vmdk.REDO_gOSvGx	1.10 GB	REDO...	1/7/2009 1:54:00...	-rwxr-xr-x
Windows 2000 Professional (1).vmdk.REDO_gOSvGx.WRITELOCK	11 bytes	WRIT...	1/7/2009 1:38:00...	-r--r--r--
Windows 2000 Professional (2).vmdk	483.00 MB	VMwa...	1/7/2009 1:39:00...	-rwxr-xr-x
Windows 2000 Professional (2).vmdk.READLOCK	11 bytes	READ...	1/7/2009 1:38:00...	-r--r--r--
Windows 2000 Professional (2).vmdk.REDO_S9umXQ	47.00 MB	REDO...	1/7/2009 1:38:00...	-rwxr-xr-x
Windows 2000 Professional (2).vmdk.REDO_S9umXQ.WRITELOCK	11 bytes	WRIT...	1/7/2009 1:39:00...	-r--r--r--
Windows 2000 Professional (3).vmdk	4.00 GB	VMwa...	1/7/2009 2:03:00...	-rwxr-xr-x
Windows 2000 Professional (3).vmdk.WRITELOCK	11 bytes	WRIT...	1/7/2009 1:39:00...	-r--r--r--
Windows 2000 Professional (4).vmdk	4.00 GB	VMwa...	1/7/2009 1:52:00...	-rwxr-xr-x
Windows 2000 Professional (4).vmdk.WRITELOCK	11 bytes	WRIT...	1/7/2009 1:38:00...	-r--r--r--



5.4 Checkout (Perforce)



5.5 Find source files / content (ultraedit)

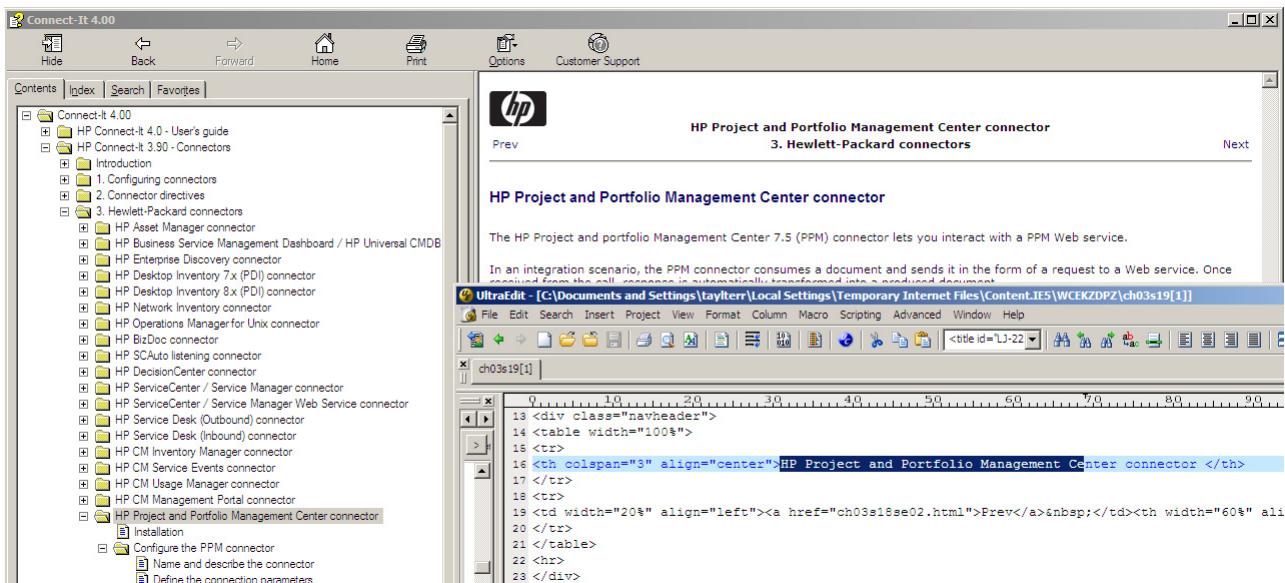
name means nothing. have to find with ultraedit.

open connect-it online help.

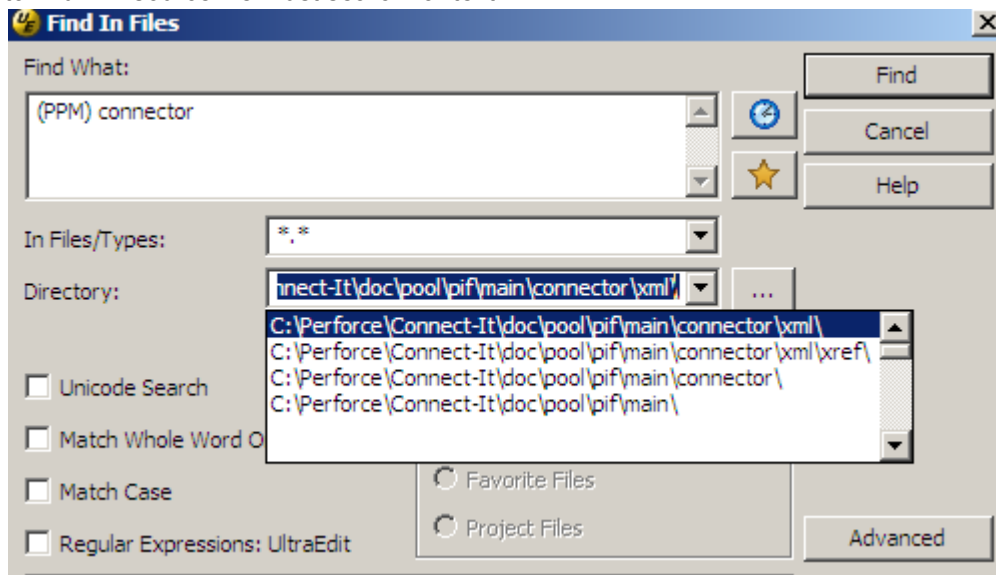
find ppm connector help.

right-click and open in ultraedit.

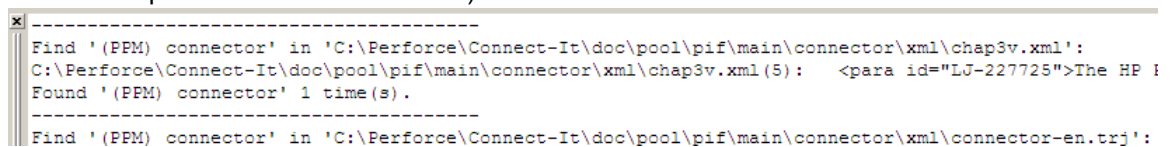
note that name of file has nothing to do with name of xml source file.



to find xml source file must search for text..



found in chap3v.xml. this is source file :)



5.6 Copy/add files (perforce)

just explain basics in perforce (check new stuff into depo)

5.6.1 Copy files

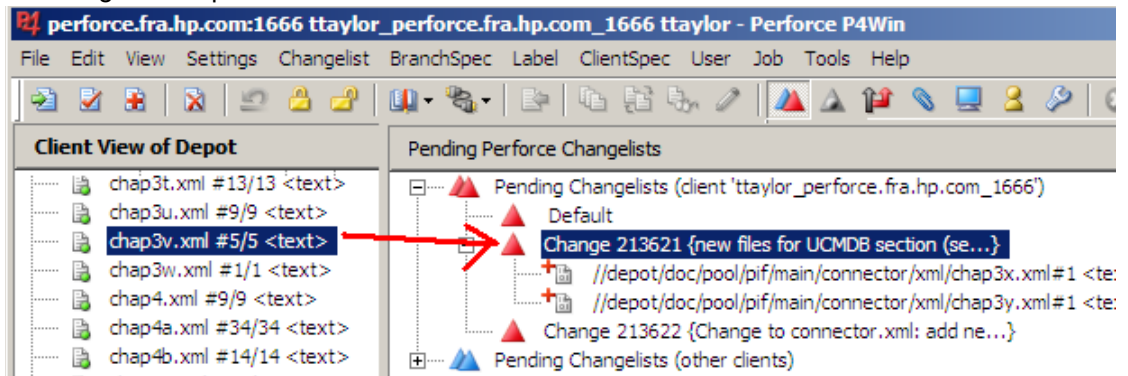
5.6.2 New files

5.6.3 Add to perforce CC

5.7 Create changelist (Perforce)

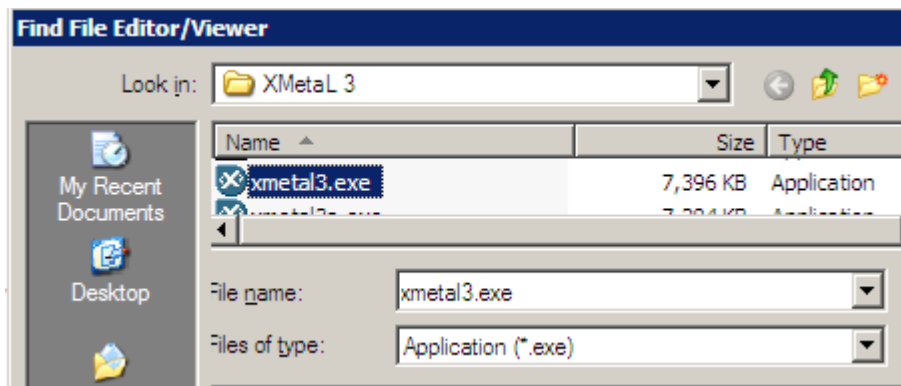
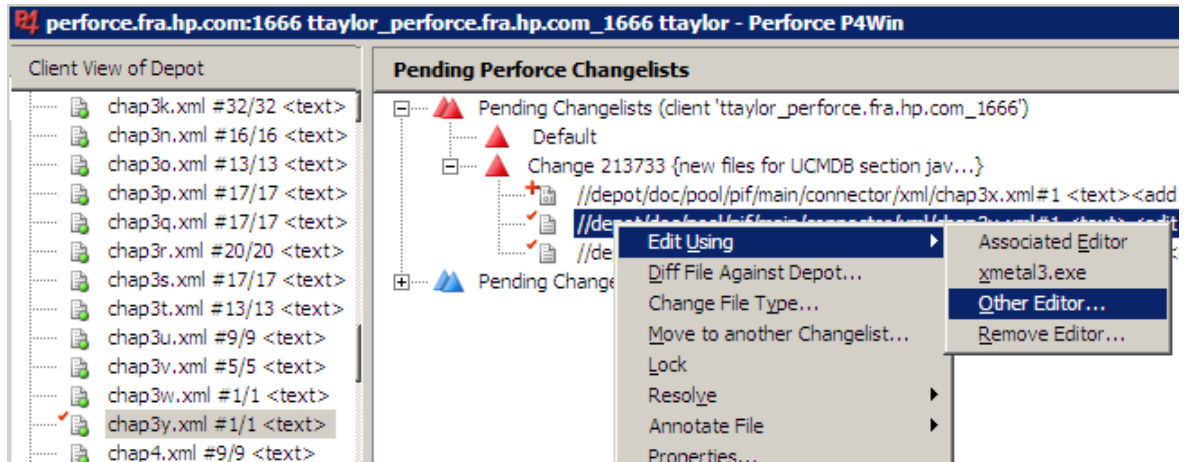
create new changelist.

then drag and drop.



5.8 open files (Xmetal)

open from perforce

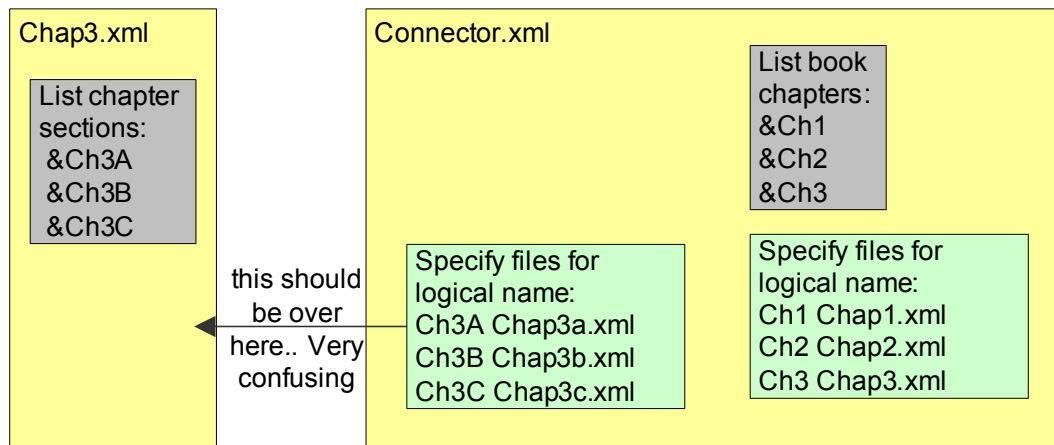


5.9 Add files (chapter sections) to help/pdf (Xmetal)

adding new sections (a new file) to help/pdf content is very complicated:

- 5.9.1 Define book chapter file logical name (connector.xml) on page 69
- 5.9.2 Add book chapter logical name to list of chapters (connector.xml) on page 69
- 5.9.3 define chapter sections logical names (connector.xml (should be chapX.xml)) on page 70
- 5.9.4 Add chapter sections logical names to list of sections (chapX.xml) on page 70

note: the above is all required just so that content shows up in the pdf/help. you still have to edit text and docids.



5.9.1 Define book chapter file logical name (connector.xml)

connector.xml:

```
<!ENTITY ChapterThree SYSTEM "chap3.xml">
```

5.9.2 Add book chapter logical name to list of chapters (connector.xml)

connector.xml:

```
<book lang="en" id="MM2-67495">
  <title userlevel="&InternalManualTitle;" role="&InternalSoftName;"
id="MM2-67495.Title">$$OpenView;$$nbsp;$$SoftName; $$CurrentVersion; -
Connectors</title>
  <bookinfo id="MM2-67496">&Legal;
  </bookinfo>&Preface; &ChapterOne; &ChapterTwo; &ChapterThree;
&ChapterFour; &ChapterFive;
  &ChapterSix; &ChapterNine; &ChapterEight; &AnnexeOne;
<index id="MM2-67497">
<title id="MM2-67498">Index</title>
</index>
</book>
```

5.9.3 define chapter sections logical names (connector.xml (should be chapX.xml))

connector.xml: add the file names with logical names like “ChapterThreeY”...

```
<!ENTITY ChapterThreeU SYSTEM "chap3u.xml">
<!ENTITY ChapterThreeV SYSTEM "chap3v.xml">
<!ENTITY ChapterThreeW SYSTEM "chap3w.xml">
<!ENTITY ChapterThreeX SYSTEM "chap3x.xml">
<!ENTITY ChapterThreeY SYSTEM "chap3y.xml">
<!ENTITY ChapterFour SYSTEM "chap4.xml">
```

5.9.4 Add chapter sections logical names to list of sections (chapX.xml)

chap3.xml:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE chapter PUBLIC "-//Norman Walsh//DTD DocBk XML V3.1.7//EN"
"docbookx.dtd">
<chapter id="SB-110996">
<title id="SB-110997">Hewlett-Packard connectors</title>
<indexterm id="LJ-168123" class="startofrange">
  <primary id="LJ-168124">Hewlett-Packard connectors</primary>
</indexterm>
<indexterm id="SB-184585">
  <primary id="SB-184586">Connector</primary>
  <secondary id="SB-184587">Hewlett-Packard</secondary>
</indexterm>
<para id="SB-110998">The $$Brand; connectors let you process data from
Hewlett-Packard applications.</para> &ChapterThreeA; &ChapterFourD;
&ChapterThreeS; &ChapterThreeK; &ChapterThreeQ;
&ChapterThreeN; &ChapterThreeT; &ChapterThreeP; &ChapterSevenA;
&ChapterThreeO; &ChapterThreeE;
&ChapterThreeR; &ChapterElevenA; &ChapterElevenB; &ChapterElevenC;
&ChapterElevenD;
&ChapterElevenE; &ChapterThreeU; &ChapterThreeV; &ChapterThreeW;
&ChapterThreeX; &ChapterThreeY;
</chapter>
```

5.10 Edit text (XMetal)

this is an xml editor, and like most, you have to be careful when copying text, etc. because the tags get messed up. there is one MAJOR problem with xmetal however... seems to me that you dont see the text for links (you only see the docid). this makes reading docs difficult and easy to make errors.

The screenshot shows the XMetal editor interface. The main window displays a rendered XML document titled "HP Project and Portfolio Management Center Connector". The document content includes a title, a paragraph, a section titled "Configure the PPM connector", another paragraph, a table titled "HP Project and Portfolio Management Center Configuration", and a section titled "Name and describe the connector". The table has six rows, each with a small icon in the first column and a diamond symbol in the second. The sidebar on the right shows a list of XML elements with their corresponding docids. Red arrows point from the table rows in the main window to the sidebar entries.

enditem	LJ-227758.Title
linkend	LJ-227758
id	
lang	
remap	
xreflabel	
revisionflag	
arch	
condition	
conformanc	
os	
revision	
security	
userlevel	
vendor	
role	

The screenshot shows the XMetal editor interface with the XML source code visible. The main window displays the XML structure, including a title, a paragraph, a section titled "Configure the PPM connector", another paragraph, a table titled "HP Project and Portfolio Management Center Configuration", and a section titled "Name and describe the connector". The table has six rows, each with an `<xref>` tag in the first column and a diamond symbol in the second. The sidebar on the right shows a list of XML elements with their corresponding docids. Red arrows point from the table rows in the main window to the sidebar entries.

enditem	MM2-32757
linkend	MM2-32756
id	
lang	
remap	
xreflabel	
revisionflag	
arch	
condition	
conformanc	
os	
revision	
security	
userlevel	
vendor	
role	

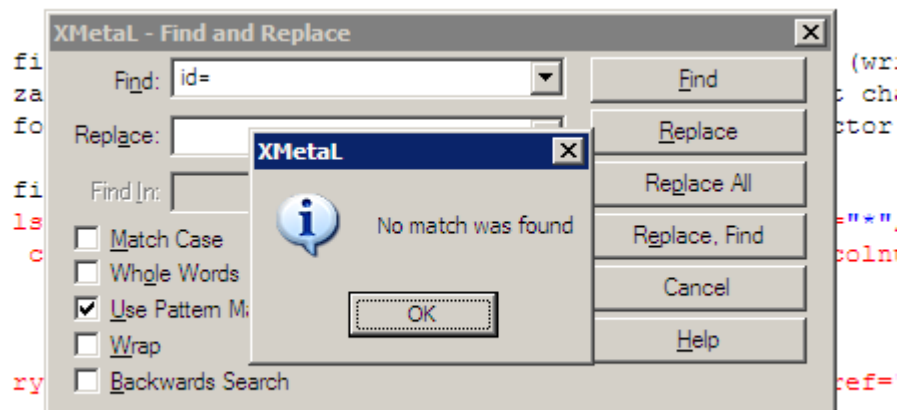
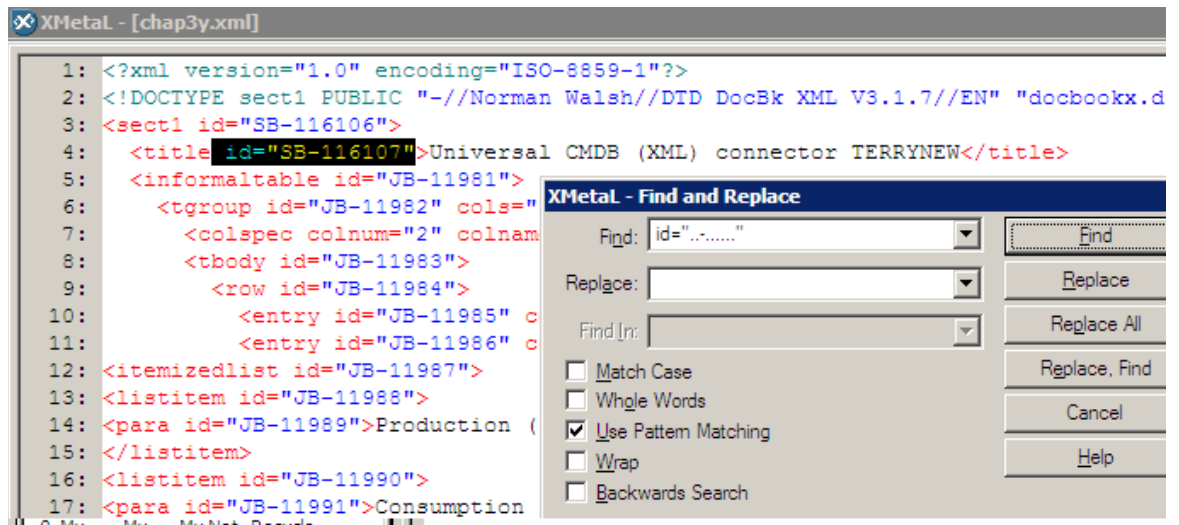
5.11 edit DocID's (xmetal/ultraedit/docid)

the docid complexity is the biggest problem with the current doc process.

- 5.11.1 copied Text with no links step1: delete docids (xmetal/ultraedit) on page 73
- 5.11.2 copied text with no links step2 / new text: generate docids (docid) on page 75
- 5.11.3 Copied text with links: the problem on page 76
- 5.11.4 copied text with links step1: modify docids (xmetal) on page 77
- 5.11.5 copied text with links step2: reverse errors (xmetal) on page 78

5.11.1 copied Text with no links step1: delete docids (xmetal/ultraedit)

5.11.1.1 Xmetal



5.11.1.2 Ultraedit

delete all docids with ultraedit (all docids exist in another file).

```
id="??-???"
```

```
id="??-??"
```

```
id="??-???.Title"
```

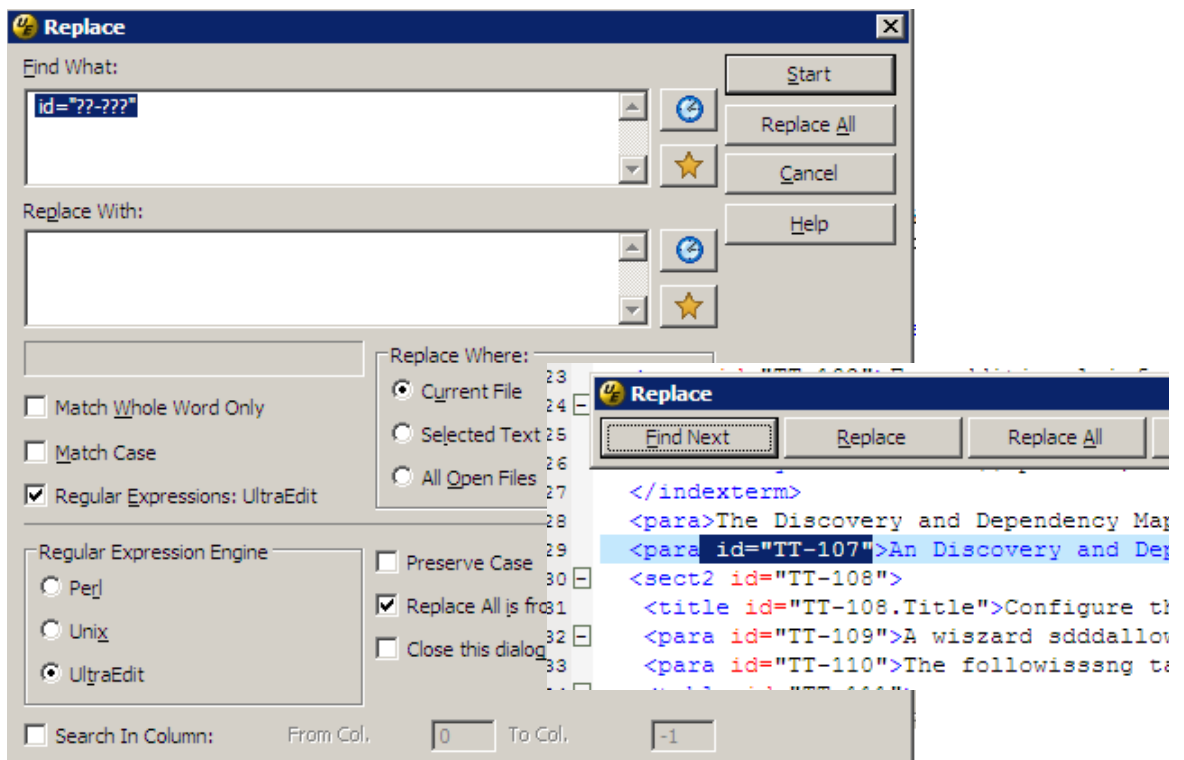
```
id="??-??.Title"
```

MUST have space ahead of ... must get rid of space.

these dont work... not sure why.

```
id="\D\D-^\d\d^\d\d\d\d"
```

```
id="\D\D-\d\d\d"
```



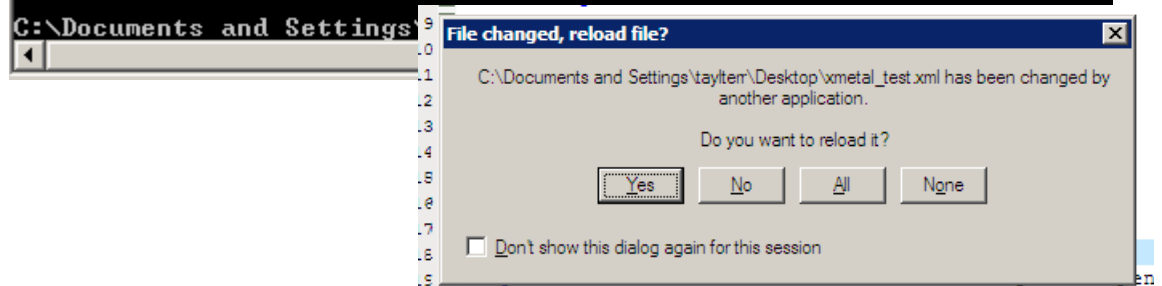
```
<itemizedlist>
<listitem>
<para>Production (source)</para>
</listitem>
</itemizedlist>
</entry>
</row>
</tbody>
</tgroup>
</informaltable>
```

save

5.11.2 copied text with no links step2 / new text: generate docids (docid)

```
C:\Documents and Settings\taylterr\Desktop>docid
Syntax error: parameter 'file' should be specified
docid - Wpp Application
(c) Copyright 1994-2008 Hewlett-Packard Development Company, L.P.
Version 4.00.160 of 9/26/2008
Usage: docid [-verbose] [-?!h!H] [-q]
           [-r] [-e:<file>]* <file...>
-verbose   : verbose mode
-?         : show this help message
-q         : ignore errors
-r         : recursive
-e         : files to exclude (* and ? allowed)
<file>    : files to analyze (* and ? allowed)

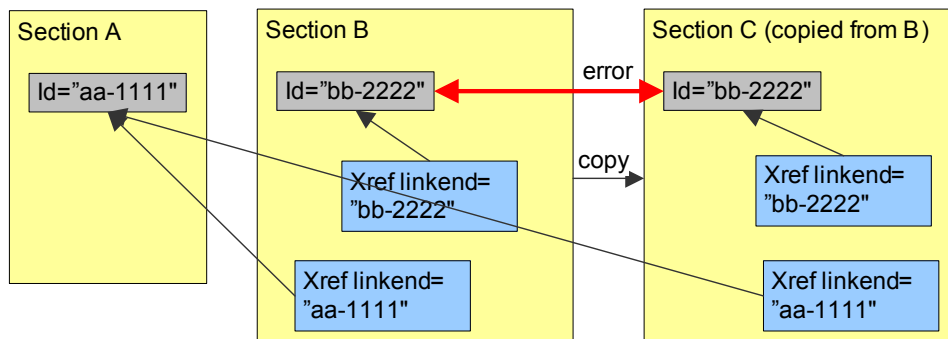
C:\Documents and Settings\taylterr\Desktop>docid xmetal_test.xml
Operation completed (RC=0)
```



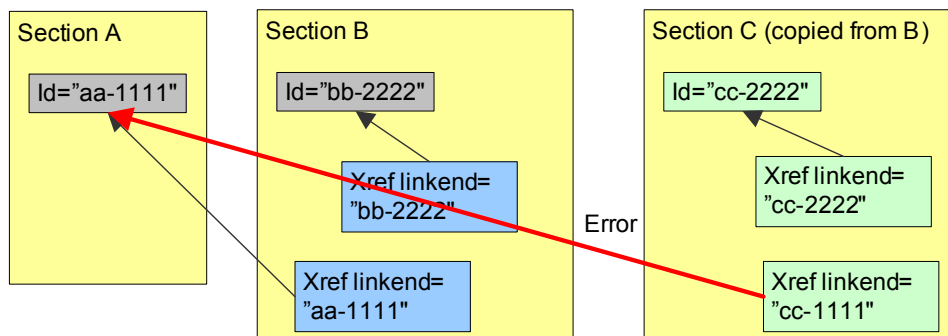
```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE sect1 PUBLIC "-//Norman Walsh//DTD DocBk XML V3.1.7//EN"
"docbookx.dtd">
<sect1 id="TT-179">
  <title id="TT-179.Title">$$OpenView; Discovery and Dependency Mapping
connector</title>
  <informaltable id="TT-180">
    <tgroup cols="2" id="TT-181"> <colspec colnum="1" colname="col1"
colwidth="*" />
<colspec colnum="2" colname="col2" colwidth="*" />
<tbody id="TT-182">
  <row id="TT-183">
    <entry colname="col1" id="TT-184">Base connector</entry>
    <entry colname="col2" id="TT-185">
<itemizedlist id="TT-186">
<listitem id="TT-187">
<para id="TT-188">Production (source)</para>
</listitem>
</itemizedlist>
</entry>
  </row>
</tbody>
</tgroup>
</informaltable>
```

5.11.3 Copied text with links: the problem

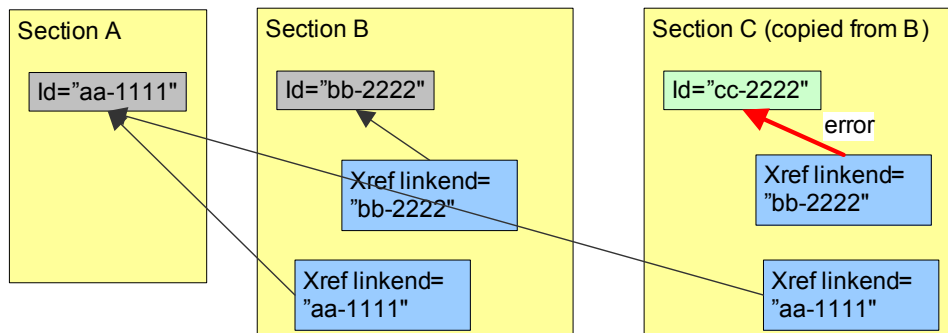
the following diagram shows creating section C (text) by copying from B. problem is that C repeats some of B's id's.



you can globally change "bb" to "cc", but then lose links to external id's.



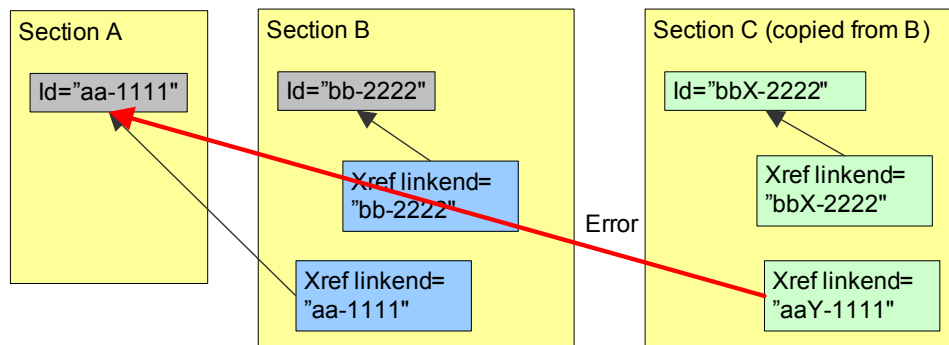
you could change only "id='cc'", but then you would lose internal links.



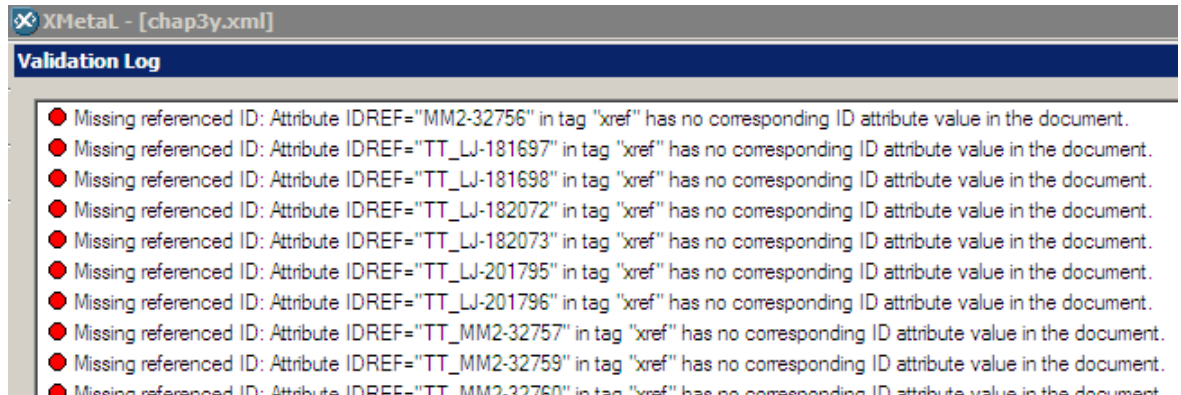
this is a major problem if you copy a lot of text.

5.11.4 copied text with links step 1: modify docids (xmetal)

solution (as far as i can tell... this is my own idea, not sure if other way possible) is to simply modify the id's..

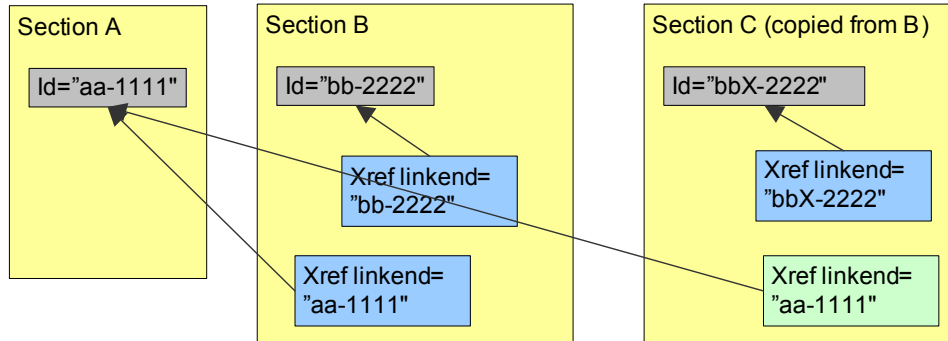


save. get errors (this would be "aaY-1111 in the diagram above):

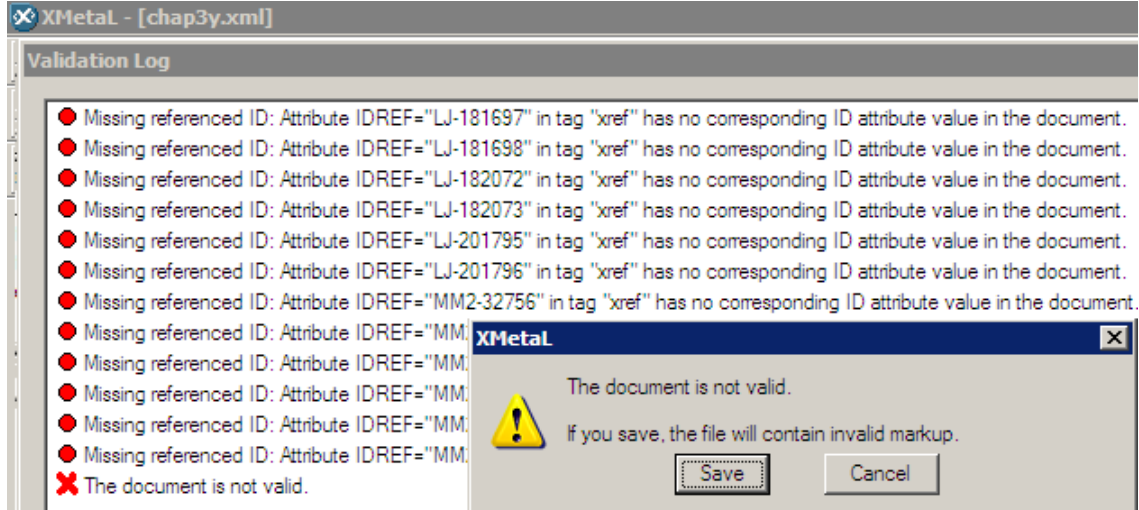


5.11.5 copied text with links step2: reverse errors (xmetal)

change the errors back to original. now ok..



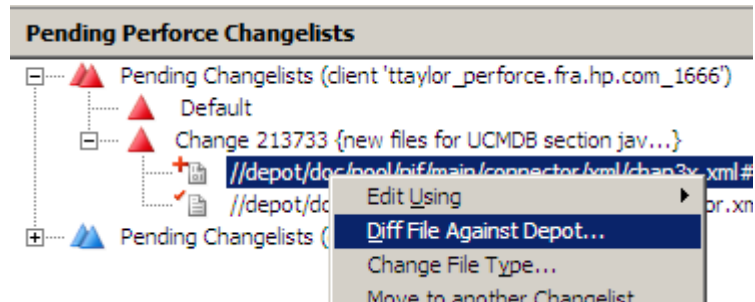
when save, still get error messages!!! but they are as "aa-1111" in the diagram above, because i guess xmetal can not figure out that there is a valid link in a different document. so i think its ok (if what i wrote is correct, then this is a big reason why we need to change the system... should not be using something that always generates non-errors)..



5.12 Correct errors (Merge) ??

THIS REQUIRED NOW??

all kinds of errors using xmetal. so have to compare original and modified in merge.



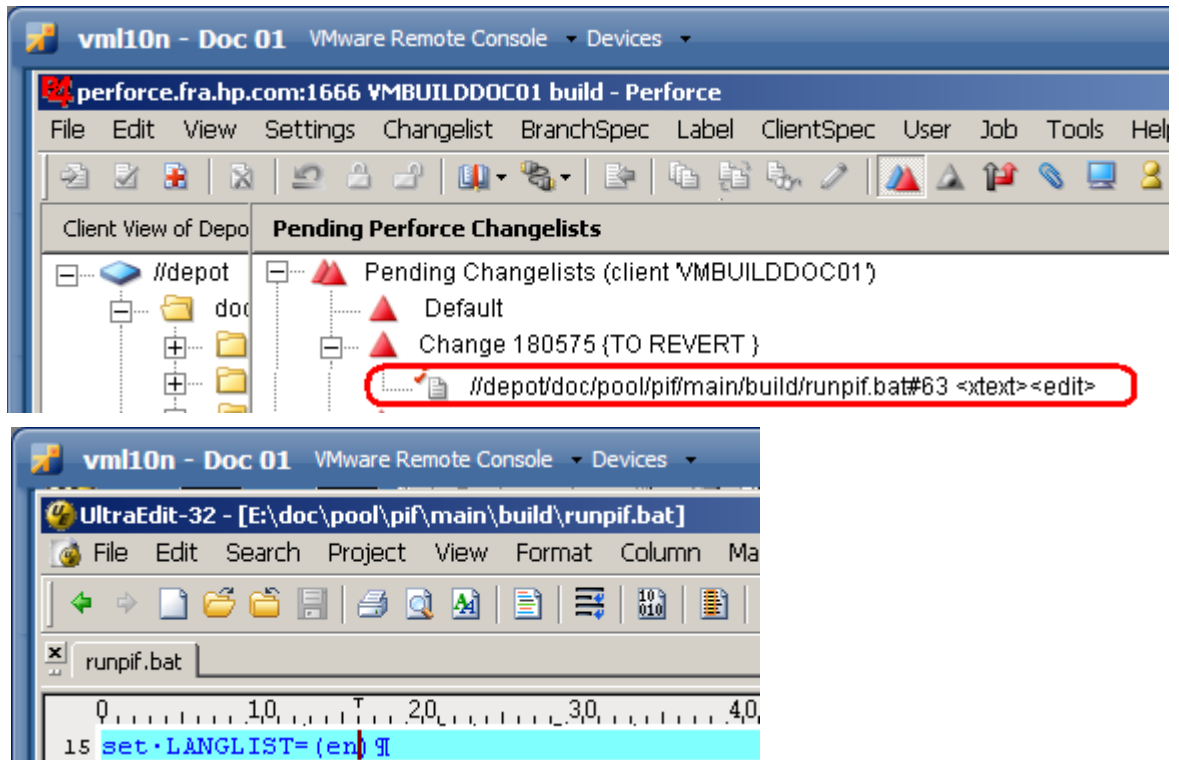
TERRY: cant get a pic of araxis merge diff... screws up my cut/paste .

5.13 Commit (perforce)

xx

5.14 Generate DOC/HELP (VM)

need to document script details.



```
@echo off
rem -----
rem Compilation of Connect-It Documentation
rem -----
rem USAGE:
rem runpif.bat [min] [noss] [doc]
rem[min]    : minimal production (only fr+en)
rem[noss]   : no get from source control
rem[doc]    : doc name
rem -----

set BRANCH=main
set PRODUCT=pif
set DOCLIST=(firststeps,userguide,connector,conam, conacad, conalt,
conars, conbd, conbiz, concauamo3, concauamo4, concaudsm, conda, condc,
coned, conjms, conlc, conldap, conldi, conldsd, conln, conmail, conmq,
connts, conobsmd, conoconodi7, conodi7, conodi8, conomu, cononi, conmp,
conppm, conocmp, consapale, consapbapi, consapidoc, consm, consms,
consmws, contcmi, contcmsd, contcmsds, contd, contece, contecr, conti,
contsc2, contsc3, conws, conxml, conxmlis, mapping, relnotes, progref,
perf, rsmac, acsap, tcmint, cmdb, SDAC, sdacnotes, sdk, edacsc)
set LANTLRIST=(en)
set DIR_PROGREFCOMMON=common\main\progref
```

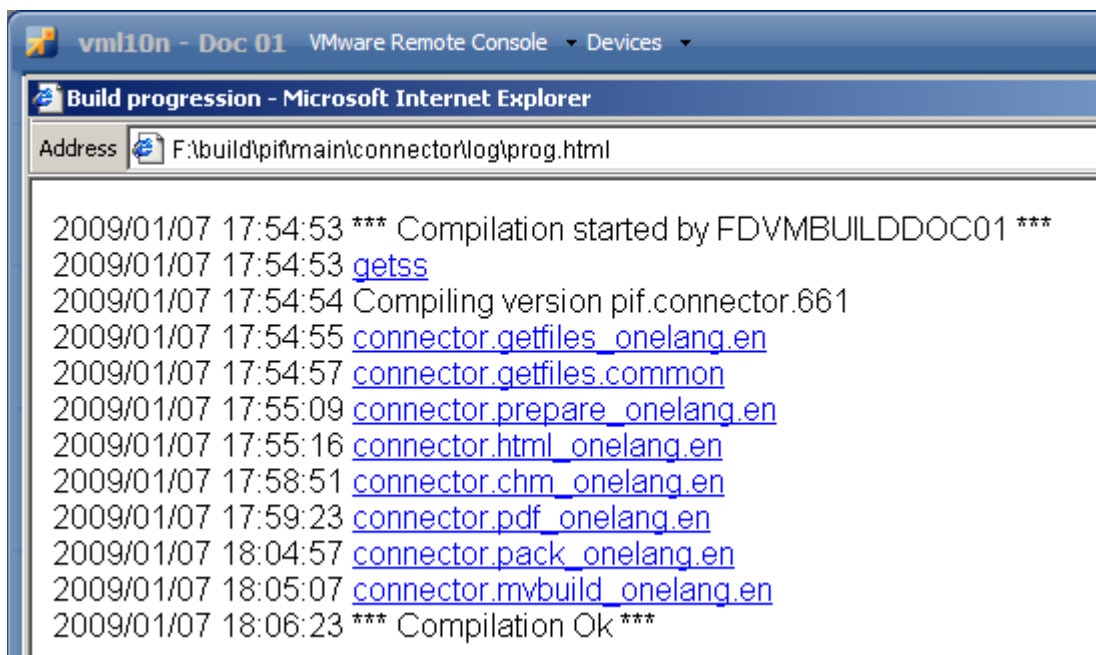
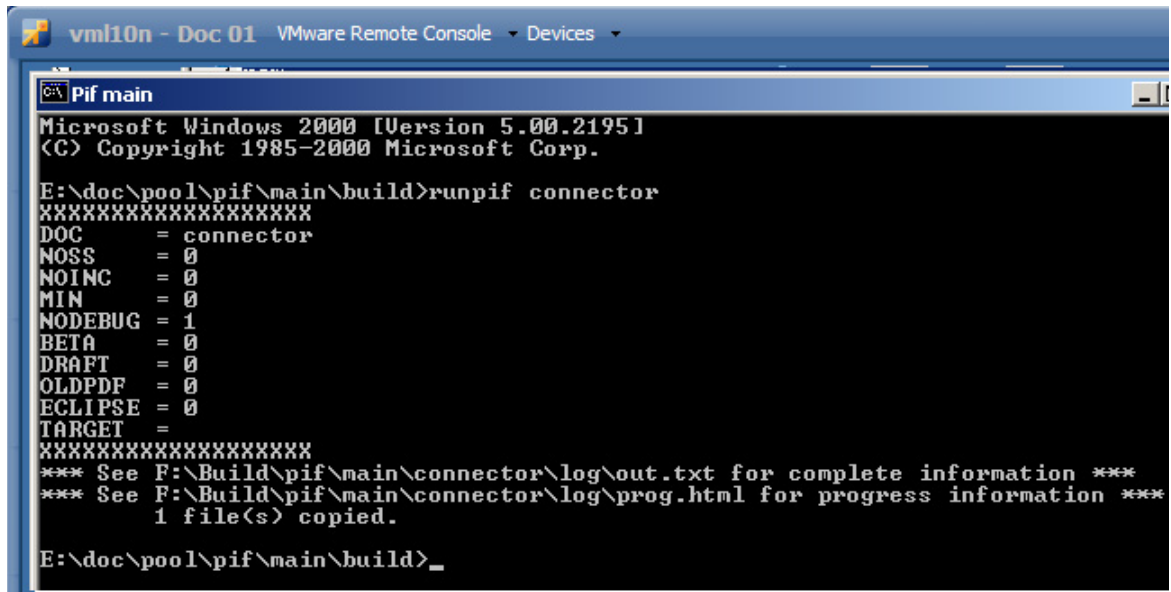


```

set DIR_PIF=e:\main\pif\main
set DIR_WPP=e:\main\wppdev
set DIR_WPPTOOLS=%DIR_WPP%\tools

set DIR_BUILD=%DIR_P4ROOT%\build
call %DIR_BUILD%\run.bat %1 %2 %3 %4 %5 %6 %7 %8 %9

```



5.15 Download HELP/PDF (ftp)

