



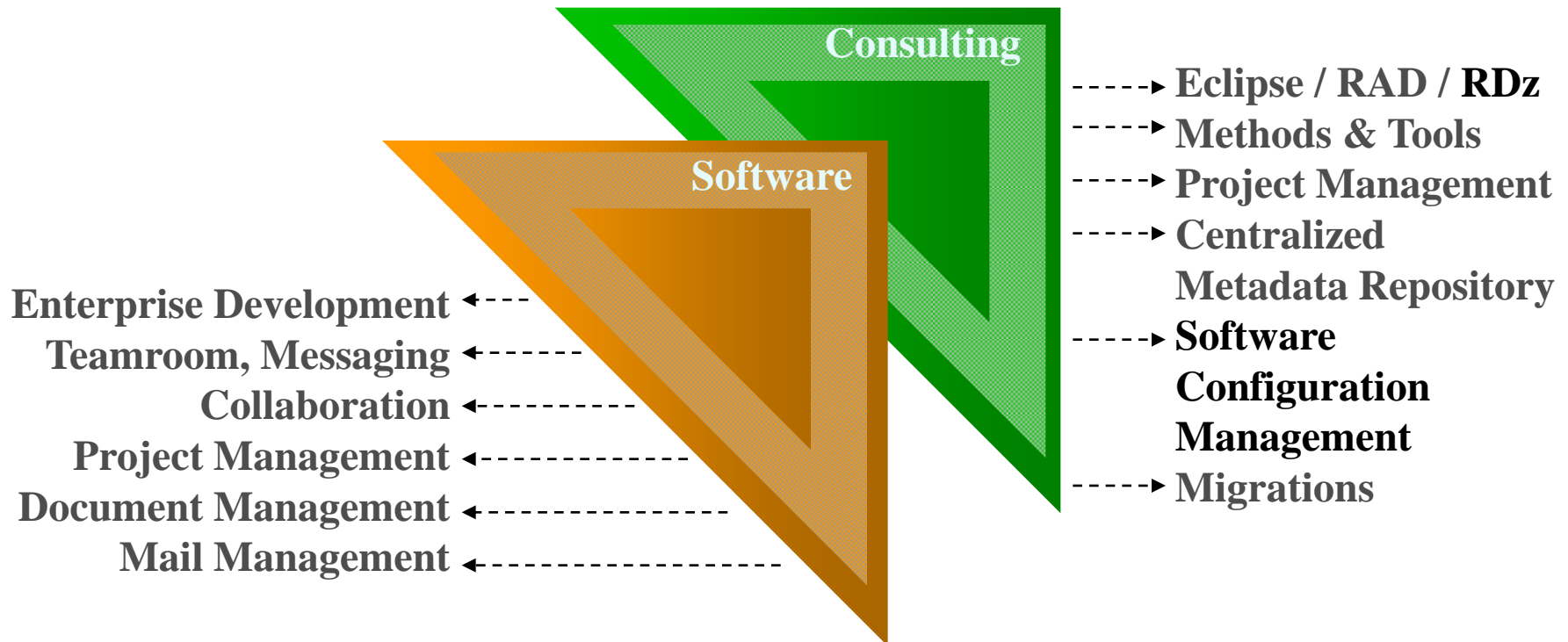
Recreating ISPF Editor Functions in LPEX

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- Introduction SoforTe
- Problem Statement
- LPEX for ISPF experts
 - Configuring the LPEX look and feel
 - Supported ISPF Commands
- Productivity Considerations
- Alternatives for ISPF Commands

Your Specialist for the Software Development Process



➤ Initial Situation

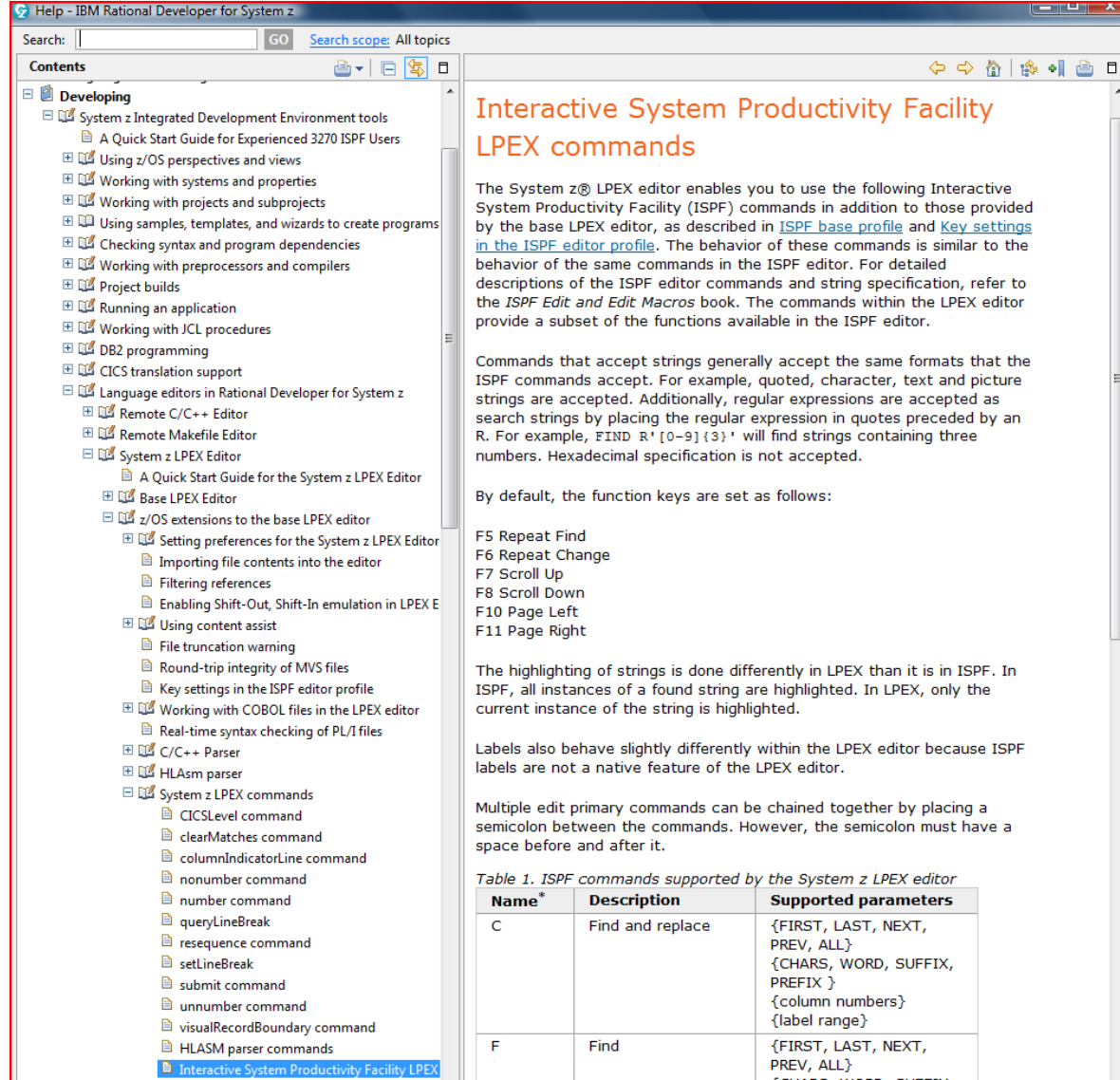
- Experienced mainframe developers are very productive using the ISPF editor
- Eclipse experts like the look and feel of the Java Editor
- How to solve this conflict?

➤ Solution for **all** mainframe developers:

- LPEX Editor
 - Look and feel configurable

➤ A Quick Start Guide for the System z LPEX Editor

➤ Interactive System Productivity Facility LPEX commands



Help - IBM Rational Developer for System z

Search: GO Search scope: All topics

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 - visualRecordBoundary command
 - HLLASM parser commands
 - Interactive System Productivity Facility LPEX**

Interactive System Productivity Facility LPEX commands

The System z® LPEX editor enables you to use the following Interactive System Productivity Facility (ISPF) commands in addition to those provided by the base LPEX editor, as described in [ISPF base profile](#) and [Key settings in the ISPF editor profile](#). The behavior of these commands is similar to the behavior of the same commands in the ISPF editor. For detailed descriptions of the ISPF editor commands and string specification, refer to the *ISPF Edit and Edit Macros* book. The commands within the LPEX editor provide a subset of the functions available in the ISPF editor.

Commands that accept strings generally accept the same formats that the ISPF commands accept. For example, quoted, character, text and picture strings are accepted. Additionally, regular expressions are accepted as search strings by placing the regular expression in quotes preceded by an R. For example, `FIND R' [0-9] {3} '` will find strings containing three numbers. Hexadecimal specification is not accepted.

By default, the function keys are set as follows:

- F5 Repeat Find
- F6 Repeat Change
- F7 Scroll Up
- F8 Scroll Down
- F10 Page Left
- F11 Page Right

The highlighting of strings is done differently in LPEX than it is in ISPF. In ISPF, all instances of a found string are highlighted. In LPEX, only the current instance of the string is highlighted.

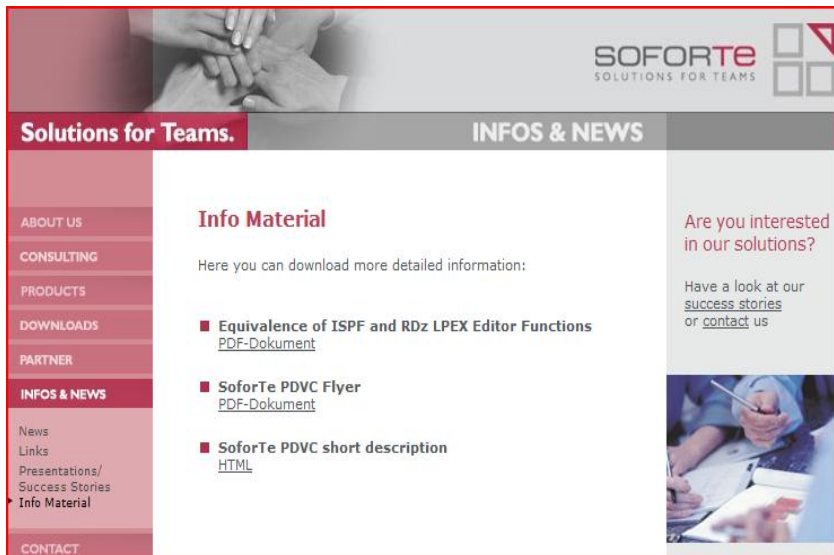
Labels also behave slightly differently within the LPEX editor because ISPF labels are not a native feature of the LPEX editor.

Multiple edit primary commands can be chained together by placing a semicolon between the commands. However, the semicolon must have a space before and after it.

Table 1. ISPF commands supported by the System z LPEX editor

Name*	Description	Supported parameters
C	Find and replace	{FIRST, LAST, NEXT, PREV, ALL} {CHARS, WORD, SUFFIX, PREFIX } {column numbers} {label range}
F	Find	{FIRST, LAST, NEXT, PREV, ALL} {CHARS, WORD, SUFFEY

- “Equivalence of ISPF and RDz LPEX Editor Functions”, PDF document at:
 - COBOL Café
 - <http://www-949.ibm.com/software/rational/cafe/docs/DOC-3359>
 - SoforTe Web Site
 - http://www.soforte.com/en/infos/info_mat/index.html (English)
 - http://www.soforte.de/infos/info_mat/index.html (German)

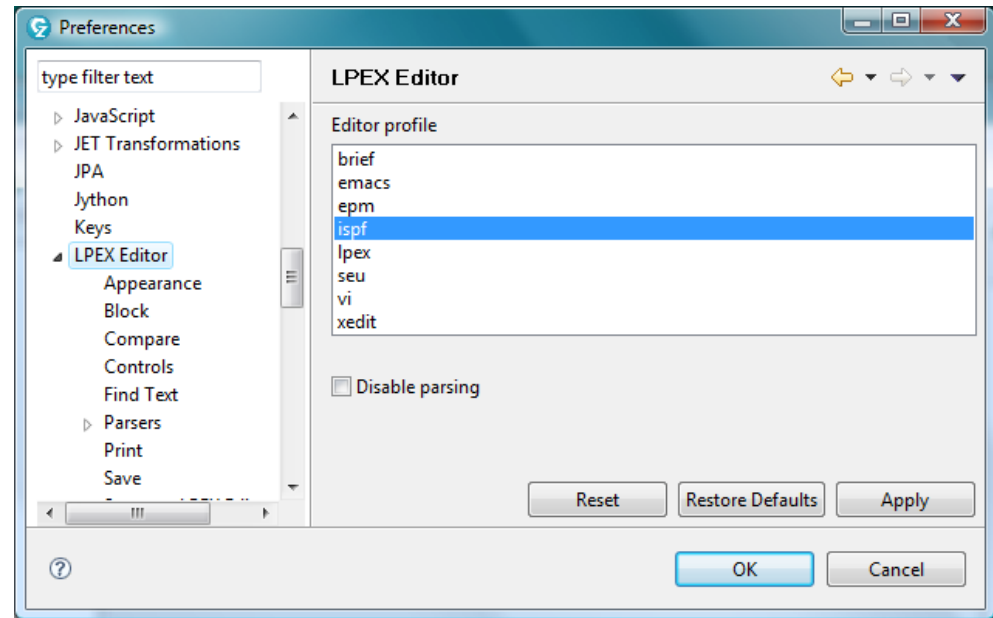


The screenshot shows the SoforTe website's 'Info Material' section. The header includes the SoforTe logo and 'Solutions for Teams.' The main content area is titled 'Info Material' and contains a list of links to download more information, including 'Equivalence of ISPF and RDz LPEX Editor Functions PDF-Dokument', 'SoforTe PDVC Flyer PDF-Dokument', and 'SoforTe PDVC short description HTML'. A sidebar on the left lists navigation options like 'ABOUT US', 'CONSULTING', 'PRODUCTS', 'DOWNLOADS', 'PARTNER', 'INFOS & NEWS', and 'CONTACT'. A right sidebar contains the text 'Are you interested in our solutions?' and 'Have a look at our success stories or contact us' with a small image of a person working.



The screenshot shows the COBOL Café website's article page. The header features the title 'COBOL Café' and the tagline 'Tried. Trusted. True.'. Below the header is a navigation bar with tabs for 'Cafés', 'Resource Library', 'Discussion Forums', 'Blogs', 'Hubs', and 'Products'. The main content area displays the article title 'Equivalence of ISPF and RDz LPEX Editor Functions' in green, along with the creation and modification dates. A 'Download' link is provided at the bottom of the article content.

- The LPEX ISPF profile supports:
 - ISPF prefix area with ISPF line commands
 - ISPF Editor primary commands
 - ISPF Editor function keys



- The LPEX ISPF profile supports:
 - F5 Repeat Find
 - F6 Repeat Change
 - F7 Scroll Up
 - F8 Scroll Down
 - F10 Page Left
 - F11 Page Right

- Productivity considerations
 - An experienced LPEX user will be more productive using the standard Eclipse / LPEX functions instead of the ISPF function keys:
 - Scrolling instead of F7, F8, F10, F11 !!
 - Ctrl F, Ctrl N instead of “Find ...”, F5, F6

- The LPEX ISPF profile supports:
 - Shift operations
 - (, ((,),)), <, <<, >, >>
 - Copy, move, repeat, overlay operations
 - m, mm, c, cc r, rr, o, oo, a, b
 - Insert, delete lines
 - l, d, dd
 - Upper, lower case operations
 - uc, ucc, lc, lcc
 - Exclude, show lines
 - x, xx, f
 - Current line
 - /
 - Label
 - .XXX

- An experienced LPEX user will be more productive using the standard Eclipse / LPEX functions instead of the ISPF line commands, e.g.
 - Copy, move operations
 - Using
 - copy/paste or alt-l, shift-click, alt-c, alt-m
 - Instead of
 - m, mm, c, cc, a, b
 - Locate a line by labels
 - The ISPF function ‘Locate .xxx’ is not supported using the LPEX ISPF profile, but ...
 - Setting bookmarks or a quick mark or using editor split (ctrl 2, ctrl 0) is much more productive

- General support (all LPEX profiles):
 - Submit
 - [save] ["systemName"]
 - Number, num
 - [seqnumType]
 - Unnumber, unnum
 - Nonumber
 - Resequence

 - Sequence numbers are displayed only in the prefix area, and cannot be edited by the user

- The LPEX ISPF profile supports:
 - C, CHANGE
 - {FIRST, LAST, NEXT, PREV, ALL}
{CHARS, WORD, SUFFIX, PREFIX } {column numbers}
{label range}
 - F, FIND
 - {FIRST, LAST, NEXT, PREV, ALL}
{CHARS, WORD, SUFFIX, PREFIX } {column numbers}
{label range}
 - X, EXCLUDE
 - {FIRST, LAST, NEXT, PREV, ALL}
{CHARS, WORD, SUFFIX, PREFIX } {column numbers}
{label range}
 - SORT
 - {A, D} {X, NX} {column numbers} {label range}
 - BOUNDS, BNDS
 - {column numbers}
 - RFIND
 - RCHANGE
 - FLIP
 - RESET, RES
 - {X, CHG, FIND }
 - DELETE, DEL
 - {ALL, X, NX , label range }
 - BOTTOM
 - TOP

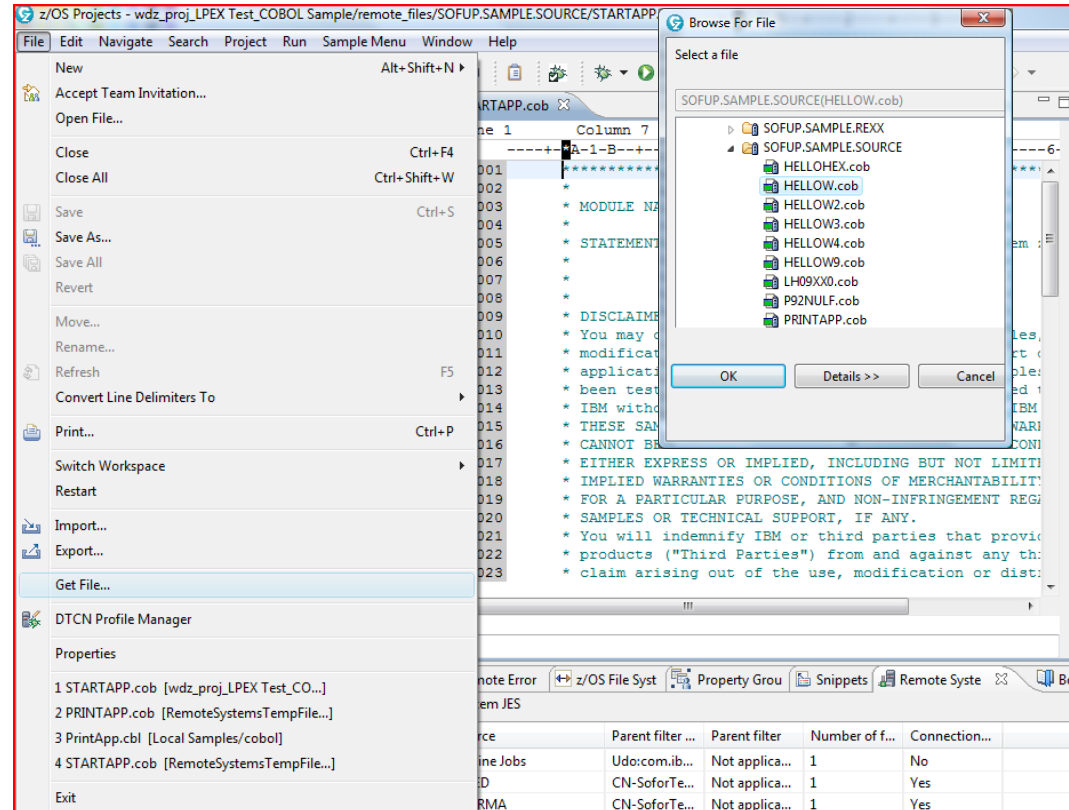
Copying a file into another one

➤ The ISPF editor command COPY is not supported as such

➤ Alternative:

– Best Practice:
position cursor and
use

- “File / Get File...”
from the menu bar



- The ISPF editor commands CREATE and REPLACE are not supported as such
- Alternative:
 - Open the target file (new or existing one) in a 2nd editor window
 - Copy the editor contents via Copy/Paste.

- The ISPF editor commands CUT and PASTE are not available as such and not necessary

- Alternative:
 - Use standard copy/paste support

 - If several intermediate clipboards are needed:
 - Use “Snippet View”

Thank
YOU



The image features the words "Thank YOU" in a large, 3D, light blue font. Each letter is filled with a different photograph of a person. The "T" shows a man in a white shirt and orange tie. The "h" shows a woman in a green top. The "a" shows a man in a green shirt. The "n" shows a man in a blue shirt. The "k" shows a man with glasses in a blue shirt. The "Y" shows a man in a blue shirt. The "O" shows a man in an orange shirt. The "U" shows a woman in a green top. A small white starburst icon is positioned to the right of the "k".