CPExpert Product Update 97-1

This product update forwards updates to both software and documentation. The software update is Release 7.1 of CPExpert. The release number indicates that it is the first release of 1997.

This release incorporates changes to (1) update the CPExpert product line for OS/390 Release 3, (2) expand the MVS Component and WLM Component to include additional analysis of Cross System Coupling Facility problems and potential problems, (3) add miscellaneous rules to other components, (4) issue a revised SRM Component User manual, and (5) correct errors which have been reported.

I've added a new member titled SOURCE(GENERR62) which contains a listing of the errors which were discovered in CPExpert code for Release 6.2, and an acknowledgement of the user who found the error.

I suggest that you use the following steps to install Release 7.1:

- Create a new PDS titled "prefix.CPEXPERT.V71.SOURCE".

- Create a new PDS titled "prefix.CPEXPERT.V71.USOURCE".

- Install CPExpert into the "prefix.CPEXPERT.V71.SOURCE" using the normal installation procedures described in the separate CPExpert Installation Guide provided with this release. There are no significant changes to the installation procedures for CPExpert; the installation procedures simply have been moved to a separate document.

- Copy your old USOURCE members into the new "prefix.CPEXPERT.V71.USOURCE". This step should be done so you do not have to recreate all of your unique parameters. There are no changes to the variables in USOURCE members, unless you are exercising new options provided with this code.

- If you elected to receive updates to CPExpert on diskette, I have created a BAT file for you so that you can easily upload the new software. This file is titled "UPLOAD.BAT" and will be located in the root directory of the diskette. The BAT file was created per your instructions (i.e., using SEND, etc.).

Thanks

I would like to say "Thank you" to the following individuals. These folks have discovered errors, proposed new features, or suggested documentation changes since the last Update Bulletin:

- John Arwe (IBM Corporation, NY)
- Glen Bowman (Wakefern Food Corporation, NJ)
- Jon Caldwell (US Veterans Administration, TX)
- Dave Cogar (DYNCORP, Washington, DC)
- V. Lee Conyers (US Department of Transportation, DC)
- David Ehresman (University of Louisville, KY)
- Peter Enrico (IBM Corporation, NY)
- Bill Hatcher (US Veterans Administration, TX)
- Stan Helms (Wheat First Butcher Singer, VA)
- Mike Jacques (Branch Banking & Trust Company, NC)
- Walt Kraslawsky (US Library of Congress, DC)
- Gerd Krohm (Westduetsche Landesbank, Germany)
- Fred Kuhstoss (Norfolk Southern Corporation, GA)
- Barry Merrill (Merrill Consultants, TX)
- Bryant Osborne (NationsBank, VA)
- Tim Vanderhoek (Fidelity Investment Company, TX)

Please call or fax if you have suggestions, you want new features, or you would like to see more or different reporting done by CPExpert.

Don Deese
April 1997

SRM Component

Software - This Product Update (1) revises the SRM Component to support OS/390 Release 3, (2) revises analysis to consider bipolar versus CMOS processors, and (3) makes changes to correct errors reported by users.

Documentation - This release forwards a new SRM Component User Manual. The SRM Component User manual that most of you have has become hopelessly out of date. The SRM Component User Manual was issued in 1991, and I have issued updates with practically every release since then. The updates included appendices that helped convert to MVS/ESA SP4.2 or SP4.3 from previous versions of MVS; I don't believe that any CPExpert user is operating pre-SP4.2 MVS, so these appendices were unnecessary.

Additionally, the SRM Component User Manual included the CPExpert installation instructions. When I originally issued CPExpert, the SRM Component was required and it seemed reasonable to include the CPExpert installation instructions with the SRM Component. With the release of the WLM Component of CPExpert, the SRM Component is no longer necessarily a "base" component - the SRM Component is not applicable with MVS Goal Mode (available since MVS/ESA SP5.1).

Finally, the SRM Component User Manual was getting large and unwieldy, as I added new rules to analyze SYS1.PARMLIB members.

The bottom line of all this is that I decided to revise the SRM Component User Manual, streamline the document by removing obsolete appendices, move the installation instructions to a separate document (the CPExpert Installation Guide), and reissue the manual with references updated to OS/390 Release 3.

Both the revised SRM Component User Manual and the new CPExpert Installation Guide are enclosed with this release.

MVS Component

Software - This Product Update (1) revises the MVS Component to support OS/390 Release 3, (2) expands the MVS Component to include additional analysis of Cross System Coupling Facility problems and potential problems, and (3) makes changes to correct errors reported by users.

Documentation - Please make the following changes to your MVS Component User Manual:

```
Page              Action
v-vi              Replace with new page v-vii
3-27 to 3-32      Replace with new pages 3-27 to 3-35
A-9               New page
MVS651.1 to .4    New rule
MVS652.1 to .3    New rule
MVS660.1 to .3    New rule
MVS661.1 to .4    New rule
MVS665.1 to .3    New rule
```

TSO Component

Software - This Product Update (1) revises the TSO Component to support OS/390 Release 3, (2) adds a new rule, and (3) makes changes to correct errors reported by users.

Documentation - Please make the following changes to your TSO Component User Manual:

```
Page              Action
A-3               Replace with new page A-3
TSO333.1 to .3    New rule
```

DASD Component

Software - This Product Update makes changes to correct errors reported by users.

Documentation - There are no changes to the DASD Component User Manual with this release.

CICS Component

Software - This Product Update makes changes to correct errors reported by users.

Documentation - There are no changes to the CICS Component User Manual with this release.

WLM Component

Software - This Product Update (1) revises the WLM Component to support OS/390 Release 3, (2) adds a number of new rules to expand analysis, (3) adds options suggested by user of the WLM Component, and (4) makes changes to correct errors reported by users.

Documentation - Please make the following changes to your WLM Component User Manual, Volume 1:

```
Page              Action
vi to vii         Replace with new pages vi to vii
2-2               Replace with new page 2-2
2-10              Replace with new page 2-10
2-22 to 2-31      Replace with new pages 2-22 to 2-38
4-3 to 4-5        Replace with new pages 4-3 to 4-5
4-8               Replace with new page 4-8
4-27 to 4-32      Replace with new pages 4-27 to 4-32
4-35              Replace with new page 4-35
A-4 to A-13       Replace with new pages A-4 to A-16
WLM025.1 to .6    New rule
WLM026.1 to .5    New rule
WLM058.3          Replace with new page WLM058.3
```

Documentation - Please make the following changes to your WLM Component User Manual, Volume 2:

```
Page              Action
A-4 to A-13       Replace with new pages A-4 to A-16
WLM114.1 to .3    New rule
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WLM115.1 to .2      New rule
WLM135.1 to .3      New rule
WLM140.1 to 5       New rule
WLM153.1 to 2       New rule
WLM250.5 to .6      Replace with new pages WLM250.5 to .6
WLM251.1 to .6      New rule
WLM340.1 to .3      New rule
WLM341.1 to .2      New rule
WLM361.1 to .9      New rule
WLM362.1 to .2      New rule
WLM363.1 to .3      New rule
WLM364.1 to .2      New rule
WLM365.1 to .4      New rule
WLM385.1 to .2      New rule
WLM651.1 to .4      New rule
WLM652.1 to .3      New rule
WLM660.1 to .3      New rule
WLM661.1 to .4      New rule
WLM665.1 to .3      New rule
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