

Prime INFORMATION Update Release 5.3.2

Subject: INFORMATION

Release: 5.3.2

Date: August 9, 1983

1 General

1.1 Fix Release

This release of Prime INFORMATION (5.3.2) is a fix release. The purpose is to make available to the user any fixes to bugs that were reported as outstanding at the prior release (5.3.1). The remainder of this document describes the changes that have been included.

## 2 Problems Fixed

### 2.1 POLERS 57323

The last release of INFORMATION did not support the abbreviated form of the EXTRACT function to be used in conjunction with the LOCATE function in INFC/BASIC programs. This has been fixed and is now supported at this release.

Example:

```
LOCATE VARA<1,2> IN VARB<1,1> ...
```

### 2.2 POLERS 57339

At release 5.3.1, a problem was reported concerning the way INFORMATION handles CPL files and the &TTY directive. At this release, INFORMATION has been modified to allow CPL programs to invoke INFORMATION and control the environment.

### 2.3 POLERS 61661

At release 5.3.1, a problem with the INFO/BASIC WRITEV statement was reported. In certain circumstances, the execution of a WRITEV statement would cause part of the record to be null upon a subsequent READ statement. The problem would occur when the field to be written contained more than 182 characters and the data to be written was a null field. After this operation, all fields following the field that was written would appear to be null upon a subsequent READ statement. This problem has been fixed at release 5.3.2.

### 2.4 POLERS 61666

At release 5.3.1, it was reported that INFORM did not properly display the correct number of records listed when the WHEN keyword was used. INFORM was reporting the correct number of records listed, but the display was not accurate if you wanted to know the number of values listed. Therefore, INFORM was modified so that when the WHEN keyword is used with the LIST verb, the final message displayed will indicate both the number of records listed and the number of values listed.

## 2.5 Multiplication problem.

At release 5.3.1, a problem was discovered with the INFO/BASIC multiplication operator. The problem would occur when a floating point number with 8 or more digits to the right of the decimal point was used as the second operand in a multiplication operation. The result of the multiplication would not contain the decimal point in the correct position. This problem has been fixed at release 5.3.2.

## 2.6 CATALOG problem.

A problem was discovered at release 5.3.1 that concerned the rebuilding of the CATALOG space map. The problem would occur when 5 or less segments were being used for the catalog space. After rebuilding the catalog space map, the file SEGMENTMAP would sometimes contain extraneous information. This would cause error messages to be displayed when attempting to catalog programs. The catalog process would try to use the extraneous information as a legal catalog segment. The segment would be non-existent and an error message indicating this would be displayed. This problem has been fixed at release 5.3.2.

## 2.7 Remote Type 1 File problem.

A problem was encountered that dealt with accessing records in type one files on remote disks. A record that did exist in a remote type one file could not be edited properly. When the editor would try to access this record, it would inform the user that it was a 'New record'. Also, if an INFO/BASIC program tried to do a READU on that record, the ELSE clause would be taken. This problem has been fixed at this release.

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3 Environment

INFORMATION release 5.3.2 requires PRIMOS rev 19.1 to run.

#### 4 Installation Procedures

The installation instructions for Prime INFORMATION have been modified to be easier to follow for the first time user of INFORMATION. Below is a copy of these instructions. NOTE: These instructions are identical to those that were supplied with the last update release (5.3.1).

##### 4.1 Save a copy of your current system.

Make a copy of your current system so that you can go back to this as a base in case you encounter problems during the rest of this installation process.

##### 4.2 Install PRIMOS rev. 19.1.

Install the PRIMOS operating system rev. 19.1. Prime INFORMATION Release 5.3 requires this particular rev. Before proceeding make sure that the UFD INFORM exists on your system. This UFD will be used to build PRIME Information Release 5.3.2. If this UFD is not on your system it must be loaded before continuing.

##### 4.3 Attach to the MFD that contains the ISYS account.

If you are installing Prime INFORMATION for the first time on the system, you may skip to step 5. Otherwise you must attach to this MFD with the proper privileges to perform a delete, (i.e. if you are using passwords, then you must attach as an owner. If you are using ACL's, then you must be sure you have the proper rights).

##### 4.4 Delete the old ISYS account.

This is done using the FUTIL utility.

```
OK, FUTIL
> IREDEL_ISYS
> QUIT
OK,
```

Note: If you have data in the ISYS account that you would like to save (menus, sentences in NEWACC, etc.), copy them to another account or change the name of the ISYS account (i.e. "CNAME ISYS ISYS.OLD"). After updating to Release 5.3, these individual items can be copied back to the new ISYS account after it is installed.

#### 4.5 Attach to INFORM

This is the UFD that contains the new release. This UFD contains sub-UFD's CMDNCO, SYSTEM, ISYS, and INFO. It also contains the command file INFCRM.INSTALL.COMI.

#### 4.6 Edit the command file INFORM.INSTALL.COMI.

This command file will install the necessary files to their proper place. You may need to change this file in order for it to run properly on your particular system. For example, it will copy the new ISYS account to your MFD 0. You may need to supply it the proper password so it may accomplish this. If you are installing an update release, you may wish to comment out the copying of the SEGMENTINDEX file and the C\_REL.CT file so as not to overlay your existing setup for catalog segments.

If you are not installing an update release you may wish to modify the SEGMENTINDEX file and the command file C\_REL.CT. This may be necessary so that no conflicts over segment usage occur on your system. The SEGMENTINDEX file contains the list of segments that will be used for your catalog space. The command file C\_REL.CT is the command file that will share these segments when installing the system. The 7 segments that we define as catalog space in the above files are segments 2100 thru 2106. You should ensure that no conflicts exist between these segments and any other uses you may have for these segments. If there are conflicts, the segments specified in the SEGMENTINDEX file and the command file C\_REL.CT should be replaced with segments that are not being used for other reasons.

#### 4.7 Run the command file INFORM.INSTALL.COMI

You may accomplish this by typing in the following:

OK, CO\_INFORM.INSTALL.COMI

Note: If you are installing PRIME Information for the first time on this system you will get an error message when running the above command file. The error message will occur because the above command file attempts to tree delete (TREDEL) the run file INFORM.SEG. Since this is a new PRIME Information system, the run file INFORM.SEG will not have previously existed. This error message is not a problem and should be ignored.

4.8 Attach to CMDNCO and share the new release.

The following commands must be issued from the system console. Attach to CMDNCO and run the two files "C\_REL.CT" and then "REL.RN.CPL". The first file "C\_REL.CT" will share the segments for the catalog space, and the second file will share the new release.

OK, C\_C\_REL.CT

•  
•  
•

OK, R\_REL.RN.CPL

•  
•  
•

Note: If you are installing PRIME Information for the first time on the system the following error message will appear at the system console:

```
**** CTCLDS  
WARNING - NO CATALOG SEGMENT MAP
```

This message indicates that the CATALOG space segment map has not yet been created. Make sure that upon reaching section 9, you follow the steps that will enable you to make the new CATALOG space segment map.

Note: If you are not running SPL on your system, you must issue the following commands at the system console. These commands will enable SPL runtime support which PRIME Information needs to run properly.

OK, CPR\_1

OK, SHARE\_SYSTEM>SP2121\_2121

OK, R\_SYSTEM>SP4000\_1/10

OK, OPR\_0

4.9 Make new CATALOG space map

If you are not installing PRIME Information for the first time on this system you may skip to the next step. Otherwise, you must build the new CATALOG space map. This may be accomplished by the following steps.

1. Type in the following command:

OK, INFO\_-BOOTSTRAP

2. When the menu appears, type in 9 to run the option that will make the new CATALOG space map.
3. When option 9 is complete, type in 99 to return to PRIMOS level.

4.10 Attach to the new ISYS account and run the "BOOT.INFO.CPL" file.

This file will install all the new verbs in the catalog space. Type in the following:

OK, A\_ISYS  
OK, R\_BOOT.INFO.CPL

Note: If this CPL file is not run, each time any user attempts to enter Prime INFORMATION the message:

Please attach to ISYS and run "BOOT.INFO".

will be displayed, and the user will be returned to the Primos level.

4.11 Update individual accounts to Release 5.3.2.

Attach to each Prime INFORMATION account on your system and type "INFO". You will see a message informing you that your account is not at Release level 5.3.2. It will then ask you if you wish to update to Release 5.3.2, a response of 'YES' will initiate the update.