

Chapter  
1

# INTRODUCTION

*Get on the  
Fast Track!*

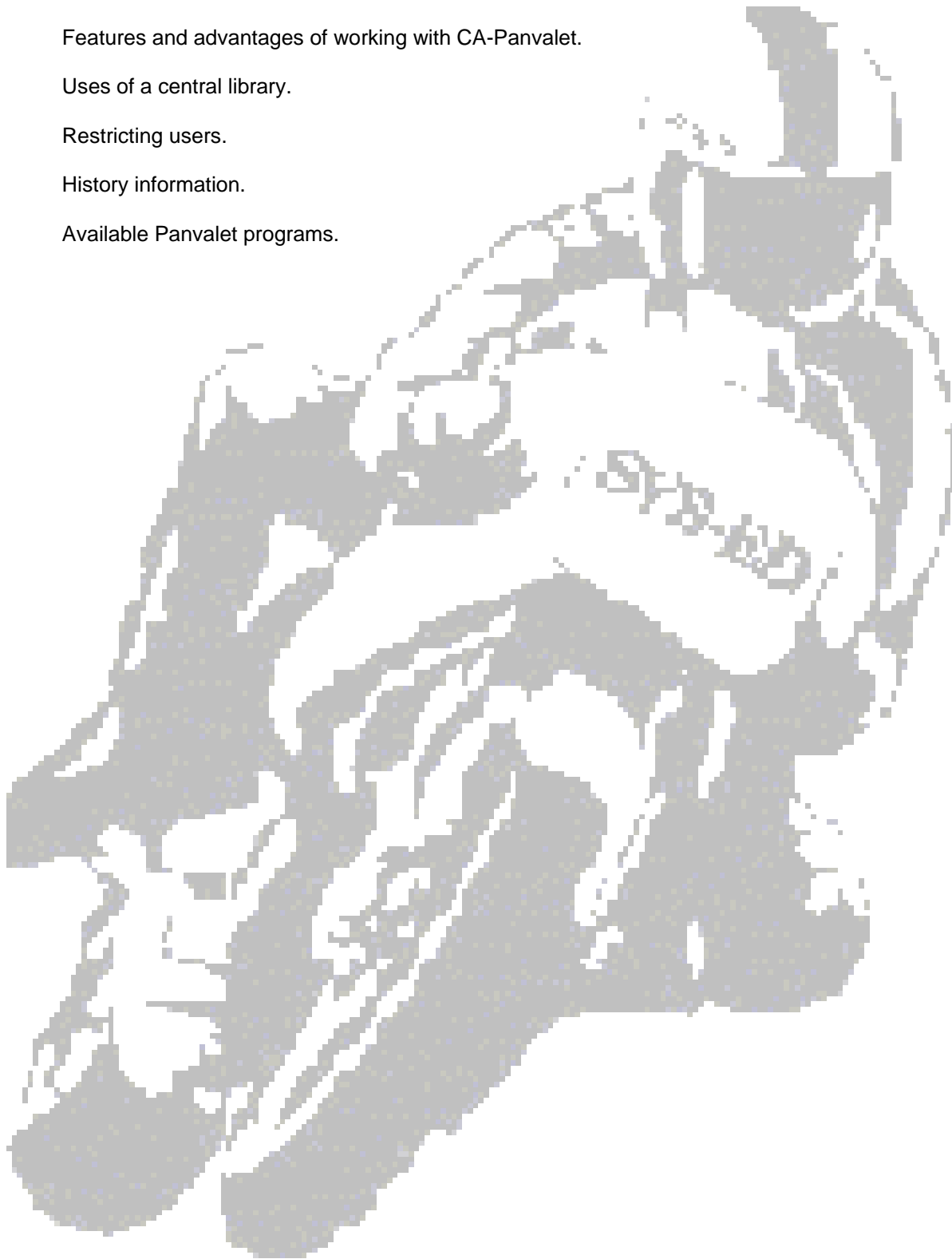


**SYS-ED/  
COMPUTER  
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TECHNIQUES, INC.**

**Objectives:**

You will learn

- C Features and advantages of working with CA-Panvalet.
- C Uses of a central library.
- C Restricting users.
- C History information.
- C Available Panvalet programs.



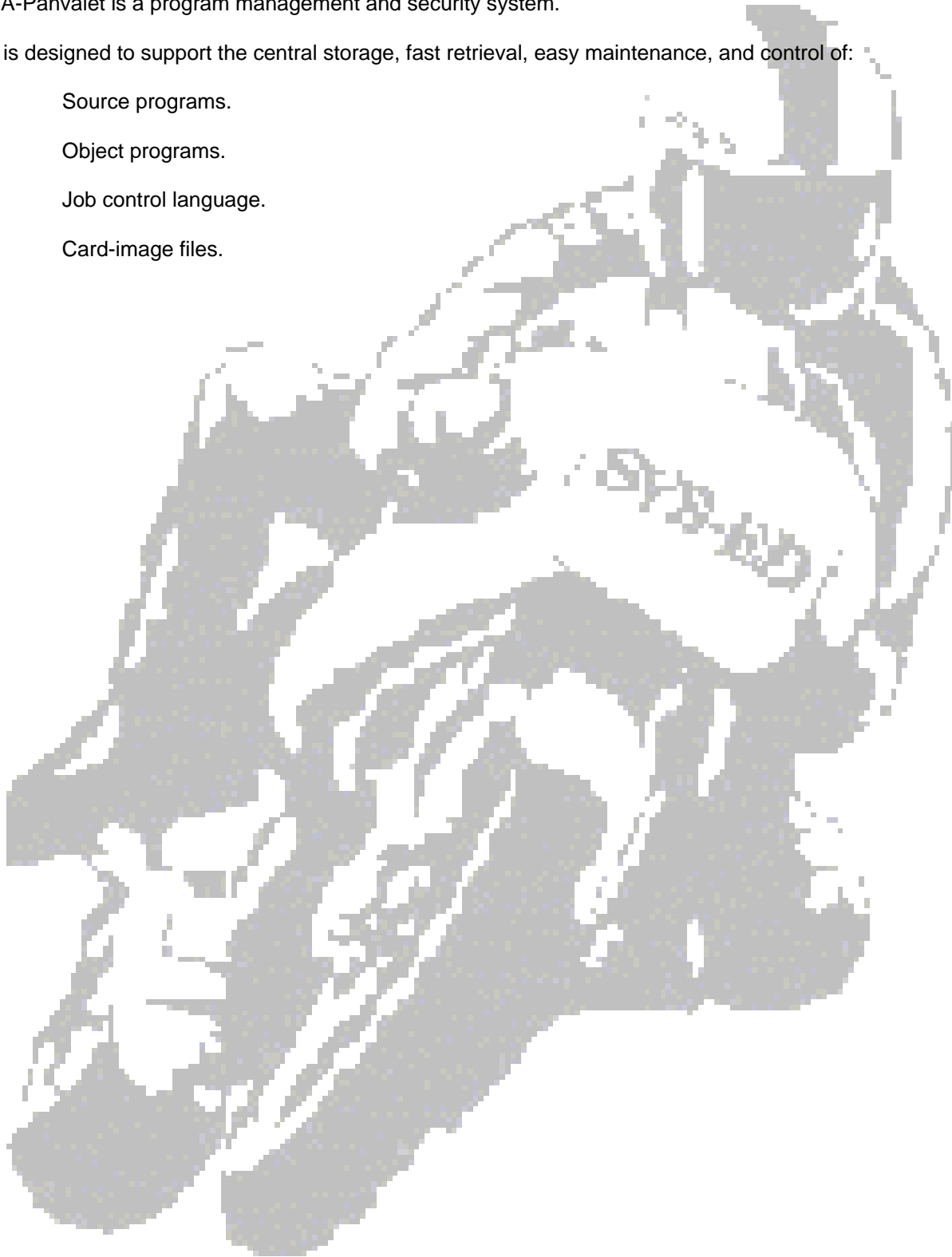
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## **1 What is CA-Panvalet**

CA-Panvalet is a program management and security system.

It is designed to support the central storage, fast retrieval, easy maintenance, and control of:

- C Source programs.
- C Object programs.
- C Job control language.
- C Card-image files.



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## **2 CA-Panvalet Framework**

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### **2.1 Central Library**

By maintaining a central library, CA-Panvalet:

- C Eliminates the need for separately located storage.
- C Stores all source programs, object programs, and production job control streams in a single central location.
- C Minimizes the necessity to reorganize or condense the library.

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### **2.2 Retrieval and Access Restriction**

By restricting retrieval and access to confidential data files, CA-Panvalet:

- C Allows you to put confidential source programs or card-image files into a security controlled library.
- C Restricts the control code to retrieve confidential files to management.

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### **2.3 Backup**

By providing complete backup, CA-Panvalet:

- C Recreates the library at any time by using the most recent protection file and the CA-Panvalet input that has been processed since the creation of that file.
- C Eliminates the problems of protecting programs and job control streams against disaster, loss, or accidental destruction.

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## **2.4 History**

CA-Panvalet can furnish a history of all prior versions of programs, job control streams, and data files.

It also:

- C Copies deleted members to a protection file before physically removing them from the library, thereby recovering additional DASD space.
- C Optionally match-merges or merges deleted members with a previously created protection file.
- C Optionally reinstates a prior version of a source program or object code to the library.

### 3 Panvalet Programs

#### 3.1 PAN#1 Programmer's Program

|     |   |  |
|-----|---|--|
| 1.  | Adds members to the library.  | ADD  |
| 2.  | Formats member records.   | ADD  |
| 3.  | Assigns member attributes.  | ADD, STATUS, USER,<br>LEVEL, RENAME,<br>FORMAT |
| 4.  | Sequence checks members.  | ADD  |
| 5.  | Copies members on the library.  | COPY   |
| 6.  | Retrieves members from the library.   | WRITE, SELECT                                  |
| 7.  | Inserts data from the SYSIN file into output files.   | INSERT   |
| 8.  | Retrieves portions of members.  | SELECT   |
| 9.  | Modifies members.   | UPDATE   |
| 10. | Tags members for subsequent deletion by PAN#2.  | STATUS   |
| 11. | Includes members within other members during retrievals.  | INCLUDE  |
| 12. | Assigns user comments to members on the library.  | COMMENT  |
| 13. | Allocates supersets on the library file.  | ALLOCATE                                       |
| 14. | Adds subsets to supersets.  | ATTACH, COPY                                   |
| 15. | Removes subsets from supersets.   | DETACH   |
| 16. | Assigns user sequence numbers to a member.  | RESEQ  |
| 17. | Initiates a transient mode extended feature.  | USING  |
| 18. | Advances the output print file to the next page.  | EJECT  |
| 19. | Prints user identification on a separate page.  | ID   |
| 20. | Specifies auxiliary input from or output to a PDS for MVS.<br>Specifies auxiliary input from an alternate logical unit for VSE. | OPTION   |

|     |  |        |
|-----|--|--------|
| 21. | Inserts records from an existing CA-Panvalet member into a CA-Panvalet input stream. | I      |
| 22. | Restricts modification of a member.  | LOCK   |
| 23. | Allows modifications of a LOCKed member.   | UNLOCK |
| 24. | Supplies a user ID and password to the CA-Panvalet VSE system for validation.        | PASS   |
| 25. | Secures confidential members on the library.   | USER   |

Special functions available only to management:

1. Overrides suppressed PAN#1 functions. (CONTROL)
2. Authorizes access to confidential members. (ACCESS)

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### 3.2 PAN#2 Management's Program

|    |   |       |
|----|---|-------|
| 1. | Creates a directory list of the entire or selected contents of the library or protection file.  | PRINT |
| 2. | Produces a complete and current compressed copy of the entire library file. Produces the copy on tape or disk and gives complete backup protection to the resident library. | DUMP  |

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### 3.3 PAN#3 Footprinting Utility

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|----|---|-----|
| 1. | Displays the current library footprint information, such as current footprint, library cuu, system ID, and option specified in PVOPT. | DSN |
|----|---|-----|

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### 3.4 PAN#4 Library Initialization Program

|    |   |       |
|----|---|-------|
| 1. | Formats and labels direct access devices for subsequent use as a CA-Panvalet library. | CLEAR |
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### 3.5 PAN#6 Analysis Program

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| 1. | Produces a summarized presentation of the CA-Panvalet library composition by size, status, language type, and user code. | ANALYSIS |
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### 3.6 PAN#7 Cross-Reference Report

|    |   |          |
|----|---|----------|
| 1. | Lists the location of all CA-Panvalet INCLUDE commands, reports the name of the including library member, the statement number of the INCLUDE command within the including member, and the name of the included member. | CROSSREF |
| 2. | Produces a cross-reference list in which the above information appears detailed under the name of the included member.  | CROSSREF |



4 PAN#8 Scan Program

|    |   |      |
|----|---|------|
| 1. | <p>Produces a listing of statements within the library that contain the character string you supply.</p> <p>You can scan the entire library or limit it to a:</p> <ul style="list-style-type: none"><li>C Given language type.</li><li>C Given library member.</li><li>C Selected range of commands.</li><li>C Selected group of columns.</li></ul> | SCAN |
|----|---|------|