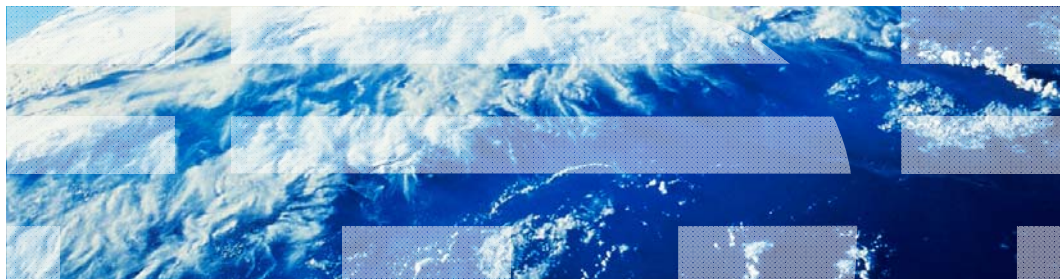# IBM Tivoli Information Management for z/OS V7.1

InfoMan overview

IBM Tivoli Information Management for z/OS V7.1, InfoMan overview. Whenever you see InfoMan mentioned, it refers to Tivoli Information Management for z/OS, CompID 5697SD900.

Objectives

When you complete this module, you can perform these tasks:

- Identify InfoMan components
- Identify some InfoMan batch procedures

InfoMan overview

When you complete this module, you can perform these tasks:

- Identify InfoMan components

- Identify some InfoMan batch procedures

Agenda

- Overview of InfoMan (Tivoli Information Management for z/OS)
- InfoMan batch jobs

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This lesson provides an overview of InfoMan and some information about InfoMan batch jobs.

InfoMan has two applications:

- Management
    - Problem
    - Change
    - Configuration
    - Rules
    - Data Model
    - People
    - Solution
- System
    - Class
    - Reference
    - Logsave
    - Map
    - Index

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InfoMan is a customizable application that is used to store problem, change and configuration management records.

The InfoMan database provides access to two applications. First, management records, like Problem, Change, Configuration, Rules, Data Model, People and Solution. Second, system records, like Class, Reference, Logsave, Map and Index.

Only authorized users can create, update, display (select), search and delete these record types.

An authorized user means that the user ID that the user logged on to InfoMan with is specified in one or more Privilege Class Records (Groups) that provide the different levels of authority. The administrator defines the levels of authority.

You can create problem records manually and the software creates them automatically when an issue occurs.

When you want to change the system or another entity that is defined to InfoMan, you can create a change record.

You can create configuration records for IT or other resources in your organization.

You can create rules for enhanced escalation.

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InfoMan has two applications:

- Management
  - Problem
  - Change
  - Configuration
  - Rules
  - Data Model
  - People
  - Solution
- System
  - Class
  - Reference
  - Logsave
  - Map
  - Index

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You create Data Model records to define all the attributes in InfoMan.

You create People records for each person in your organization that is going to log on to InfoMan.

You create Solution records to store known solutions to issues.

You use Class records (Groups, Privilege Class) to define authorization and user IDs that are permitted to perform those tasks.

You use Reference records to define Users, Alias, Command, Timezone and formats for Dates and Times.

You use Logsave records to set up the automatic logsave feature where InfoMan data is written to DB2.

You use Map records to define post-processor data mapping.

You use Index records for text searches.

InfoMan management menu

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When you log on to the Tivoli Information Management for z/OS (InfoMan) application, the **Primary Options** menu is displayed.

In the example, the BLG10014I message indicates that the user ID is authorized to use the MASTER privilege class and the profile defaults to the Management application.

The software uses the profile (this can be abbreviated to PROF) to define session characteristics for each user that logs on to InfoMan.

You can enter PROF to view or change the characteristics that are associated with your InfoMan session. Each InfoMan user has their own profile that is stored in the ISPF library.

These settings affect only your session; they do not affect other user sessions.

Each user must set up their own profile.

After you make the necessary profile changes, you press F3 to end your profile. Then, run the **Quit** command to save your changes to your ISPF data set.

You might wonder why you quit the session. If your TSO session times out (S522) before you save your profile changes, you lose all the changes.

List of InfoMan commands

```
BLG1THLP           STATUS AND AVAILABLE COMMANDS          LINE 1 OF 35

VERSION = V7R1M0   RECORD ID = NONE   CLASS = MASTER   SUSPENSION LEVEL = 0
MODES = INQUIRY    SEQUENTIAL RECORD
DATABASE = 5   LOGICAL FILES =
SESSION MEMBER = 22    WINDOW NAME = BLGISPFD    WINDOW LEVEL = JOYB103
PRIMARY PARTITION = NONE    GLOBAL PARTITION = NONE
TIME ZONE FORMATS:  DEFAULT = NONE    OLD = NONE
EXTERNAL DATE FORMATS:  DEFAULT = MM/DD/YYYY    OLD = NONE
TRIGGER CHARACTERS = & #  DATA MODEL DATABASE = 5


COMMAND NAME       COMMAND DESCRIPTION

ARGUMENT           ADD/DELETE/MODIFY FREEFORM ARGUMENTS
BACK               BACK UP TO LAST DISPLAYED OR PROCESSED PANEL
CANCEL             TERMINATE THE CURRENT DIALOG WITHOUT SAVE
CHANGE             CHANGE SEARCH ARGUMENT OR AN SRC RECORD
COPY               COPY RECORD FROM THE CURRENT DATABASE
DELETE             DELETE RECORD FROM THE CURRENT DATABASE


  Type DOWN or UP to scroll the panel, or type END to exit the panel.
```

You can issue the **Help Status** command from almost anywhere in InfoMan to display the STATUS AND AVAILABLE COMMANDS window that contains the information that is shown in the example.

The top section contains status information about your session that you can provide to IBM if you need to create a problem management report (PMR).

You can scroll down (F8) to review the list of InfoMan commands with their short descriptions.

You can issue the **;IN** command to return to the **Primary Options** menu. The capital letters **IN** represent initialize.

To return to the panel you were on before issuing the **HELP STATUS** command, press End (F3).

InfoMan data sets

- SDDS
- SDIDS
- SDLDS
- DICTDS
- RPANLDS
- UPANLDS
- WPANLDS
- RFTDS
- SBLMTSX

InfoMan has these nine databases:

1. SDDS: Is a key sequenced VSAM database where all the records are stored; depending on how many records you plan to maintain, it can be from one to 100 clusters.
2. SDIDS: Is a key sequenced VSAM database that contains all the searchable data; it can be from one to 100 clusters. This database is a high performance index that accelerates the search for records in the SDDS.
3. SDLDS: Is a relative record VSAM database that contains a backup of all changes that are made to the records since the last offload (BLGUT4) of the file.
4. DICTDS: Is a key sequenced VSAM database that contains all the structured words (swords) and prefix words (pwords) used to search the SDIDS and to display the data on InfoMan panels. It also contains validation patterns that are used to control the data that is entered through InfoMan panels.
5. RPANLDS: Is a key-sequenced VSAM database that contains all the IBM InfoMan panels. There can be one or more.
6. UPANLDS: Is a key-sequenced VSAM database that contains all of the User-modified InfoMan panels. There can be one or more.
7. WPANLDS: Is a key sequenced VSAM database that contains all of the User InfoMan panels that are being modified, like a scratch pad.
8. RFTDS: Is a PDS containing InfoMan Report Format Tables. It can concatenate one or more data sets.
9. SBLMTSX: Is a PDS containing InfoMan Terminal Simulator Execs (TSX). It can concatenate one or more data sets.

InfoMan session parameter

- Source
- Compiled
- Attributes

InfoMan overview

As the administrator, you define one or more InfoMan session parameters. After you modify the source, the program is compiled and linked into a load library. InfoMan users access the load library during InfoMan initialization.

The InfoMan session parameter defines the attributes of the InfoMan session for a user that logs on to InfoMan; it contains these types of information:

- Number of SDDS databases

- Number of SDIDS databases

- Whether the optional SDLDS database is defined

- DICTDS containing pwords and swords

- RPANLDS concatenation to allocate IBM and user panel databases

- WPANLDS for using Panel Modification Facility (PMF) to update panels

- Date Format

- Time Zone

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InfoMan daily batch procedures

- BLGUT1
- BLGUT4
- BLGUT23B
- BLGUT23P
- IDCAMS

InfoMan overview

Although there are many other InfoMan batch procedures, these procedures are the ones that clients often run daily:

- BLGUT1: Rebuild the Structured Description Index Data Set

- BLGUT4: Offload the Recovery Log Data Set

- BLGUT23B: Back Up the Database

- BLGUT23P: Prune the Offload Recovery Log Data Set …

Use the AMS (Access Method Services) IDCAMS program to REORG the SDDS.

InfoMan batch procedures

- BLGUTR
- BLGUT1M
- BLGUT3
- BLGUT5
- BLGUT5F
- BLGUT6
- BLGUT6F
- BLGUT6M
- BLGUT7

- BLGUT8
- BLGUT9
- BLGUT10
- BLGUT17
- BLGUT18
- BLGUT20
- BLGUT21
- BLGUT22
- BLGUT23R

InfoMan overview

The administrator runs this list of InfoMan batch procedures on a less regular basis:

- BLGUTR: Format a Recovery Log Data Set (SDLDS)
- BLGUT1M: Migrate Structured Description Index Data Set
- BLGUT3: Restore the Database from the Log Data Set
- BLGUT5: Load and Maintain the Dictionary Data Set
- BLGUT5F: Offload the Dictionary data set
- BLGUT6: Install and Maintain a Panel Data Set
- BLGUT6F: Offload a Panel Data Set
- BLGUT6M: Migrate Panel Fields
- BLGUT7: Copy an SDDS
- BLGUT8: Build Tables Utility
- BLGUT9: Set Database Options
- BLGUT10: Convert the Case of Data
- BLGUT17: Convert Date Data
- BLGUT18: Build PIDTs and PIPTs
- BLGUT20: Analyze the SDDS
- BLGUT21: Analyze the SDIDS
- BLGUT22: Analyze the Panel Data Set
- BLGUT23R: Restore the SDDS

Summary

Now that you completed this module, you can perform these tasks:

- Identify InfoMan components
- Identify some InfoMan batch procedures

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