Catalogs

ICF structure 1

- **Master catalog**
  - Contains information about user data sets.
  - A single master catalog contains entries for systems data sets and user data sets.
- **A catalog**
  - Provides users with the ability to locate a data set by name.
- **Catalog Management**
  - Maintains catalog information for managing data sets.
- **Catalog Management**
  - Uses the data set name of entries to store and retrieve data set information.
- **Cataloging data sets**
  - Simplifies backup and recovery procedures.
  - Catalogs are the central information point for data sets.
  - All data sets managed by the storage management subsystem (SMS) must be cataloged.

ICF structure 2

- **BCS**
  - VSAM key-sequence data set.
  - Contains volume, security, ownership, and association information.
- **VVDS**
  - VSAM entry-sequenced data set.
  - Contains SMS-related information.

Basic catalog structure (BCS)

- **Index**
  - Data component
- **Data component**
  - Index
- **Volser**
  - Volume serial number of the volume on which the VVDS resides.

Catalog Management

- **Master catalog**
  - Contains SMS-related information.
- **User catalogs**
  - Contains information about user data sets.
  - For SMS-managed data sets, the catalog shows the date that the catalog was updated.
  - Identifies the master catalog for a system.
  - All data sets residing on a volume with a master catalog are managed by the master catalog.

Catalog Management

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