



IBM Software

# IBM Archive Manager for z/VM

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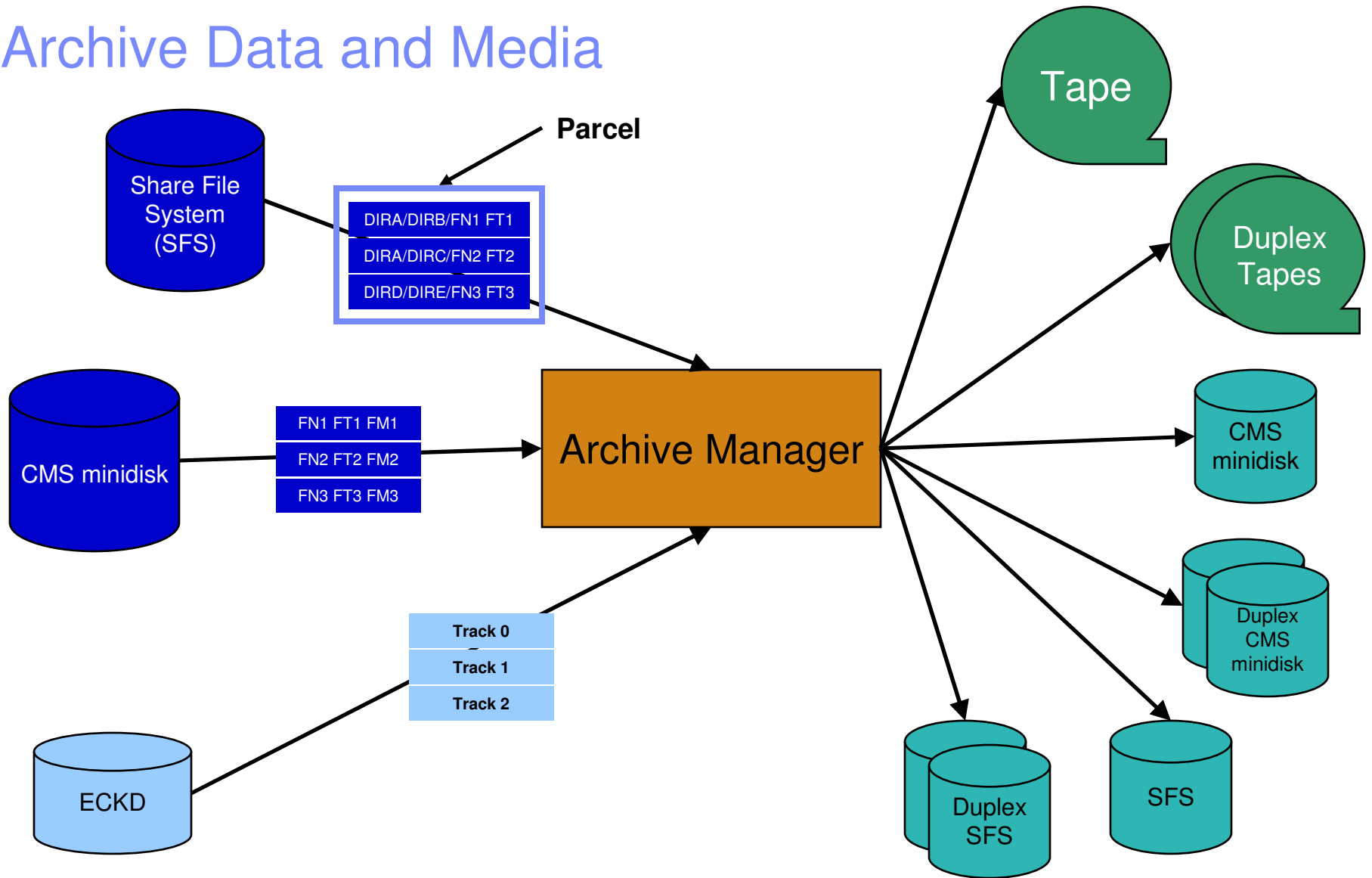
# Agenda

- **Archive Manager for z/VM**
  - Overview
  - Key benefits
  - Features and functions
  - Summary
  - Demo

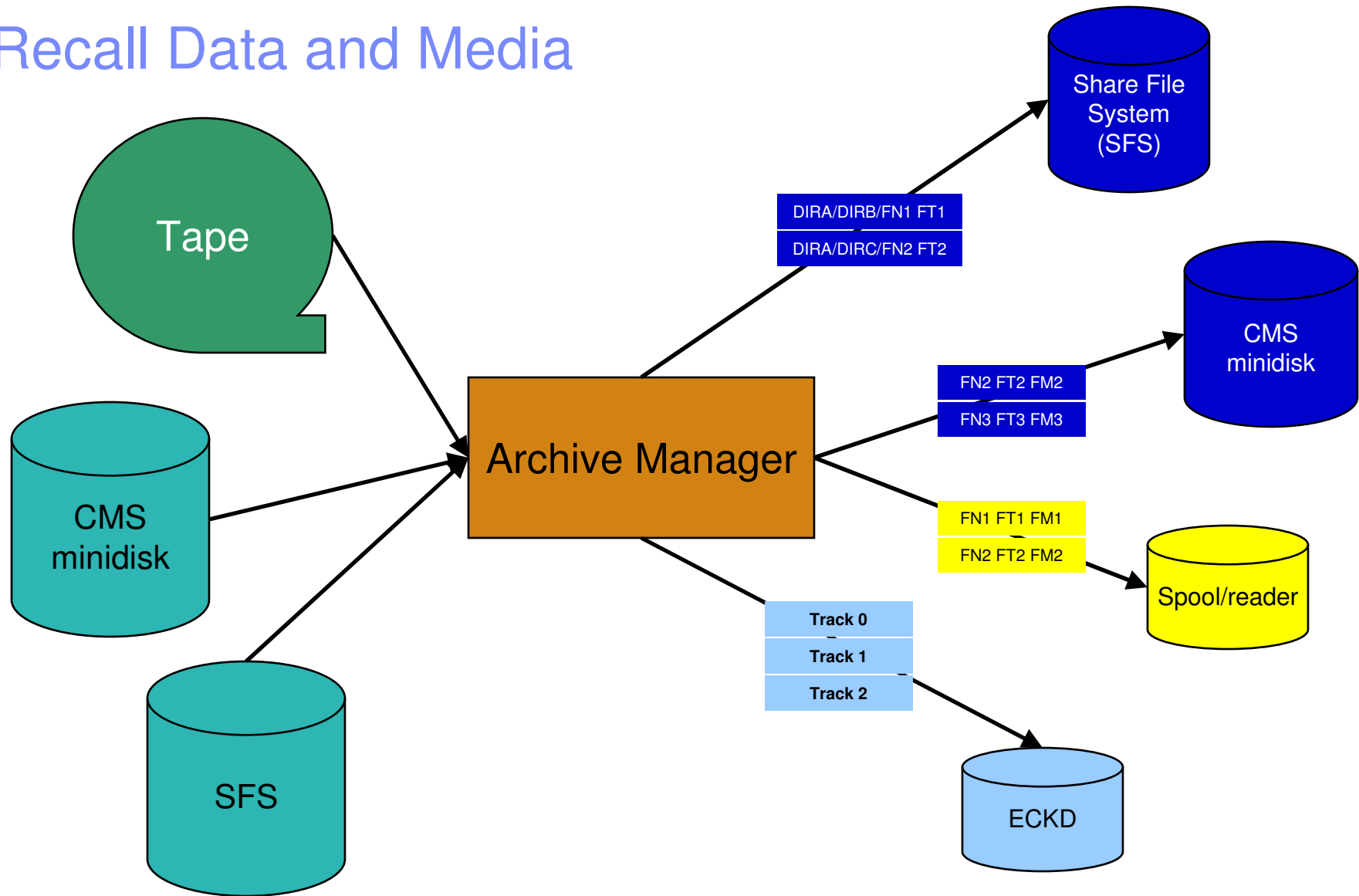
## Product Overview

- **Designed for end users and administrators to manage disk space**
  - Archive infrequently used or large files to tape or other disk
- **Archive**
  - Requested by administrators for any data
  - Requested by end users for their own data
  - Individual files or a group of files using CMS wildcard support
  - Integration with Tape Manager for z/VM
- **Recall**
  - Performed by users for their own data, or administrators for any data
  - Selection of data to recall
    - Full screen interface or command
    - Individual files, with wildcard support
    - Groups of files
- **Archive catalog maintained in Shared File System (SFS)**

# Archive Data and Media



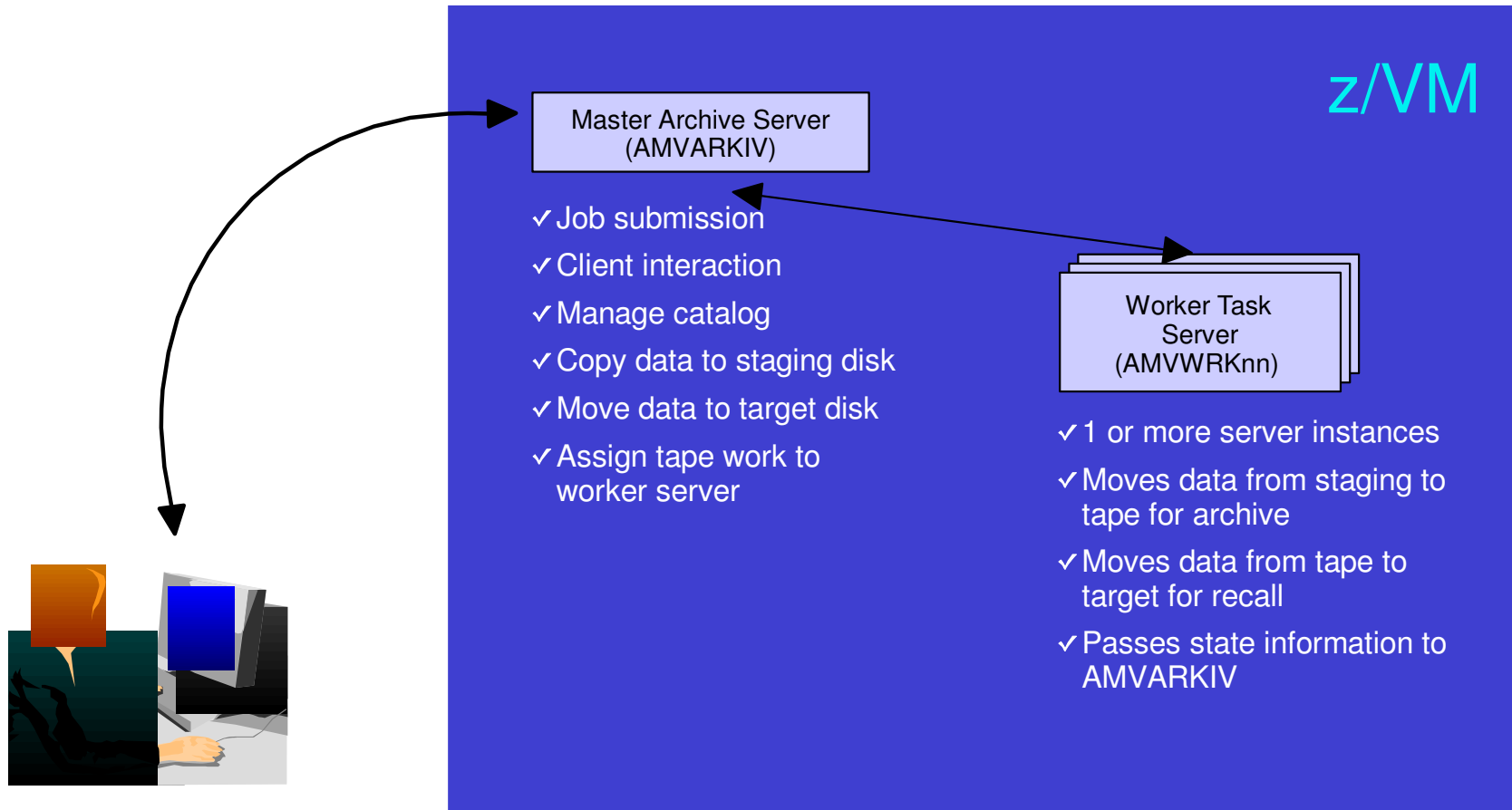
# Recall Data and Media



## Key Benefits

- **Improve end user satisfaction and productivity**
  - Users manage their disk space by moving infrequently used or accessed files to tape or other disk
  - Archive and recall functions are controlled by the user
    - No need to wait for a request to operations to find and retrieve a file
    - File selection for recall using full screen interface
      - Filter on several fields, including file id, date created, etc.
  - Archived data staged to DASD, then tape if applicable
    - Users don't wait for a tape mount for archive request to complete
- **Reduce DASD space requirements**
  - Archive older files to less expensive storage media
  - Continue to provide users access to the archived data/files
- **Control location, retention, and access to archived data**
- **Integration with Tape Manager for z/VM**

# Archive Manager for z/VM



# Access Control: Storage Groups and Storage Classes

## AMVSRVR CONFIG

```

Begin_Groups
ALLUSERS
DSKUSERS
End_Groups
Begin_Classes
Define_Class DEFAULT TAPE SIMPLEX 1 365 365 SCRATCH ALLUSERS - N Y Y N N N N
Define_Class ADMINDSK EDF SIMPLEX 1 365 2555 E00 DSKUSERS - Y Y Y Y Y N N
End_Classes
    
```

### ALLUSERS GROUPLST

EVERYONE

### DSKUSERS GROUPLST

ADMINS  
DEPTABC

### EVERYONE ROSTER

\*

### ADMINS ROSTER

OPS\*

### DEPTABC ROSTER

USERA  
USERB  
USERC



# Access Control: Storage Groups and Storage Classes

## AMVSRVR CONFIG

```

Begin_Groups
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Begin_Classes
Define_Class DEFAULT TAPE SIMPLEX 1 365 365 SCRATCH ALLUSERS - N Y Y N N N N
Define_Class ADMINDSK EDF SIMPLEX 1 365 2555 E00 DSKUSERS - Y Y Y Y Y N N
End_Classes
  
```

### DEFAULT Storage Class

- Archive to single tape
- Default retention 365 days
- Min retention 1, max 365 days
- All users on system can archive here
- Users can remove files
- Users can not extend expiration, move parcels to another storage class, create image parcels

### ADMINDSK Storage Class

- Archive to AMVARKIV's E00 minidisk
- Default retention 365 days
- Min retention 1, max 7 years
- USERA, USERB, USERC, and OPS\* user IDs can archive here
- Users can remove files, extend expiration, move parcels to another storage class, create image parcels

# Archive Manager Summary

- **Efficiency**
  - Users archive as needed
- **Productivity**
  - Staging disk allows immediate cleanup of user disk
    - Users don't wait for tape mounts
  - User driven archives and recalls with no administrator interaction
- **Control**
  - Each user can only recall data owned by him/her
  - Automatic aging and pruning of archive catalog
  - Administrator controls where data can be archived and how long it's kept
- **Demo**

## Demo

- **End user**
  - Archives some files
  - Unsuccessfully tries to extend the retention/expiration of the archived files
  - Erases the files that were archived from the A-disk
  - Searches for and restores the files from the archive
- **Power user or administrator**
  - Archives a file
  - Extends the expiration/retention of the archived file
  - Erases the file that was archived from the A-disk
  - Searches for and restores the file from the archive