

Unit objectives

After completing this unit, you should be able to:

- Explain the different kinds of storage in a z/OS system, their organization, and management
- Describe how batch work is passed to a z/OS system and how it is handled and processed
- Indicate how data and programs are organized and stored in an z/OS environment























































| Layout of a sequential data set | | | | | | | | |
|---------------------------------|---------------------|-----------------|--|--|--|--|--|--|
| | | - Stort of file | | | | | | |
| Reco | ord 1 | Start of file | | | | | | |
| Reco | ord 2 | | | | | | | |
| Reco | ord 3 | | | | | | | |
| Reco | ord 4 | | | | | | | |
| Reco | ord 5 | | | | | | | |
| Reco | ord 6 | | | | | | | |
| Reco | ord 7 | | | | | | | |
| | | | | | | | | |
| Reco | ord n | End of file | | | | | | |
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| | Di | rectory e | ntries | | |
|--------------|-----------|-------------------------|------------|---------|--|
| Entry for | Entry for | Entry for | Entry for | unused | |
| Interniber A | member | Member | er C | entries | |
| Member E | 3 | Space of | deleted M | ember | |
| | | Membe | er D | | |
| Member D | | Space of deleted Member | | | |
| Member A | | | | | |
| Member A | | | Free space | | |

| Parti | tioned data set ex | tended | |
|-------|--|--------------------------------------|--|
| | | | |
| | Directory entries for Member A, B, C, D | Member C | |
| | Member B | Member E | |
| | Member D | Member A | |
| | Free space of deleted Member | Directory entries for Member E, X | |
| | Member D | Member X | |
| | Free space | Free space | |
| | Free space | Free space | |



















Unit summary

Key points from this unit:

- z/OS supports central, auxiliary, and virtual storage, in 64-bit mode.
- Storage is allocated in 4 KB blocks:
 Central storage frame
 Auxiliary storage slot
 Virtual storage page
- Batch work is defined to the system with JCL and is executed in an initiator address space.
- Data and programs are stored in data sets. Data sets are either VSAM or non-VSAM.