

Middleware – Cloud Computing

Verwaltung großer Datenmengen (Zusatz)

Welche der Konstellationen sind im Google File System möglich?

Wintersemester 2025/26

Tobias Distler, Christian Berger

Friedrich-Alexander-Universität Erlangen-Nürnberg
Lehrstuhl Informatik 4 (Systemsoftware)



Lehrstuhl für Informatik 4
Systemsoftware

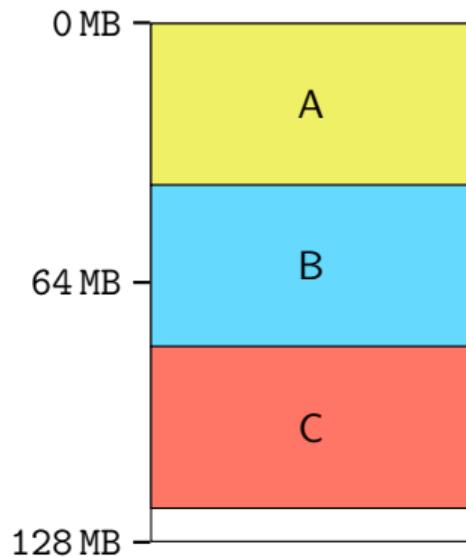
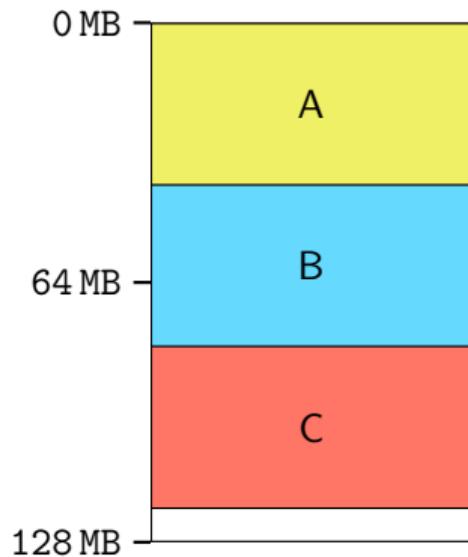


FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG

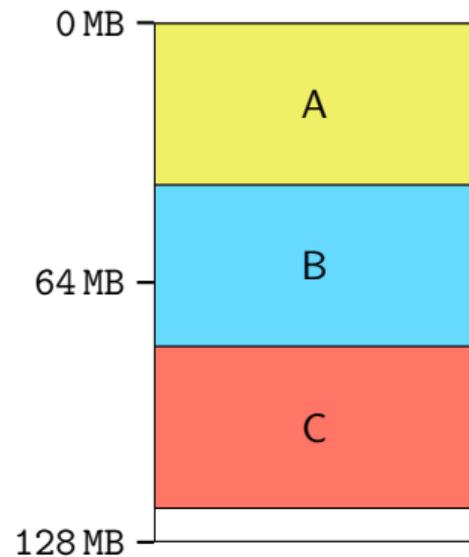
TECHNISCHE FAKULTÄT

Client-Anwendung 1

- WRITE A 40 MB at offset 0 MB
- WRITE B 40 MB at offset 40 MB
- WRITE C 40 MB at offset 80 MB

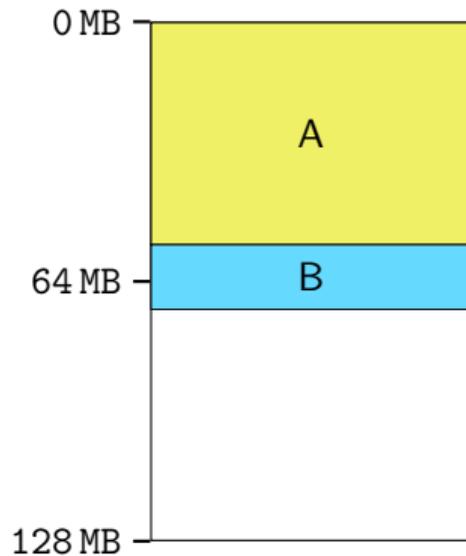
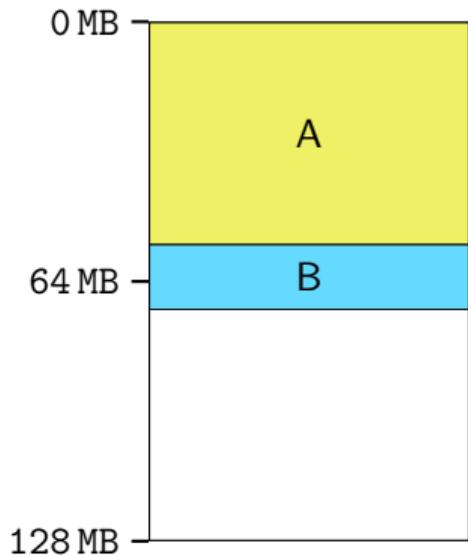


Client-Anwendung 2

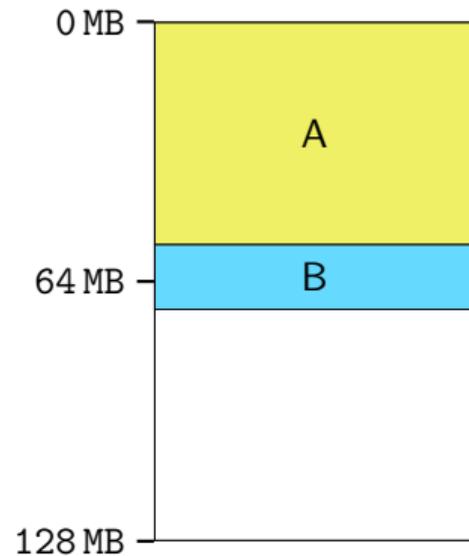


Client-Anwendung 1

WRITE A 55 MB at offset 0 MB
APPEND B 16 MB

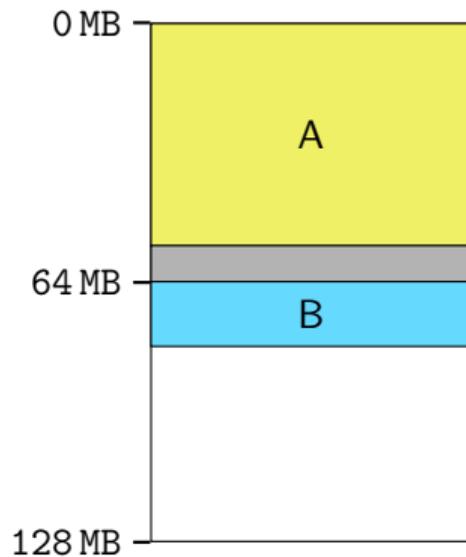
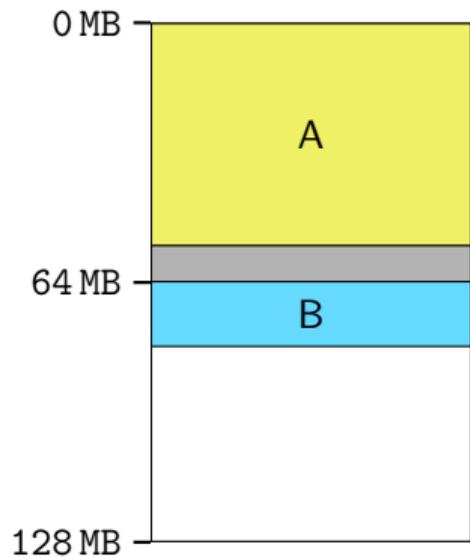


Client-Anwendung 2

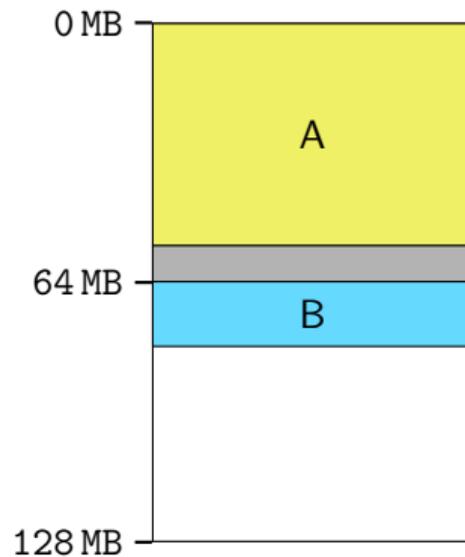


Client-Anwendung 1

WRITE A 55 MB at offset 0 MB
APPEND B 16 MB

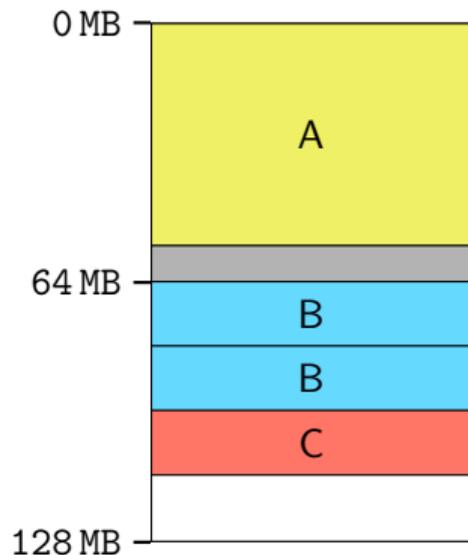


Client-Anwendung 2

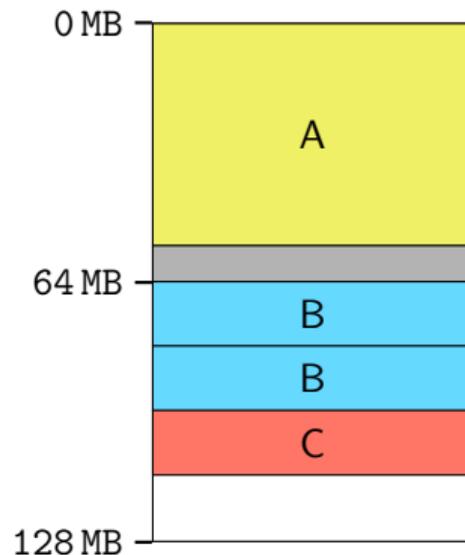
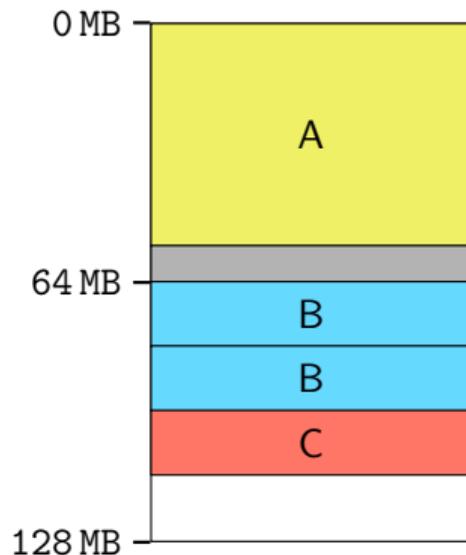


Client-Anwendung 1

WRITE **A** 55 MB at offset 0 MB
APPEND **B** 16 MB
APPEND **C** 16 MB

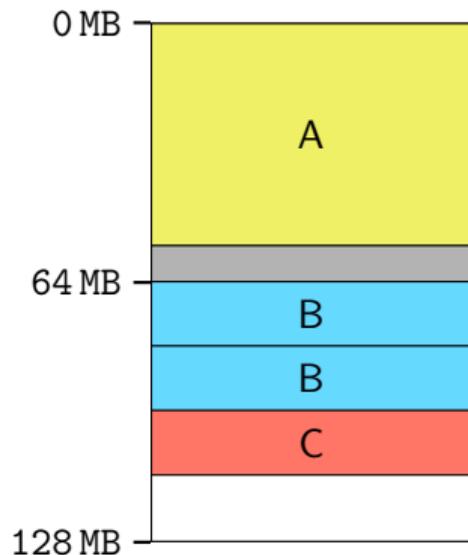


Client-Anwendung 2

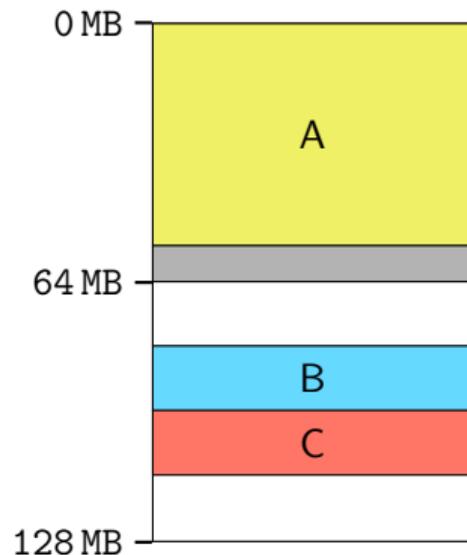
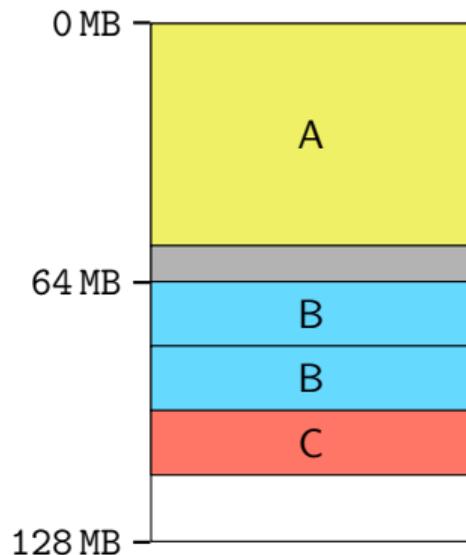


Client-Anwendung 1

WRITE A 55 MB at offset 0 MB
APPEND B 16 MB
APPEND C 16 MB

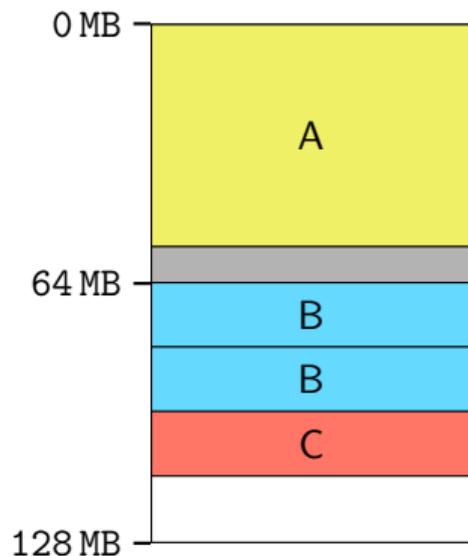


Client-Anwendung 2

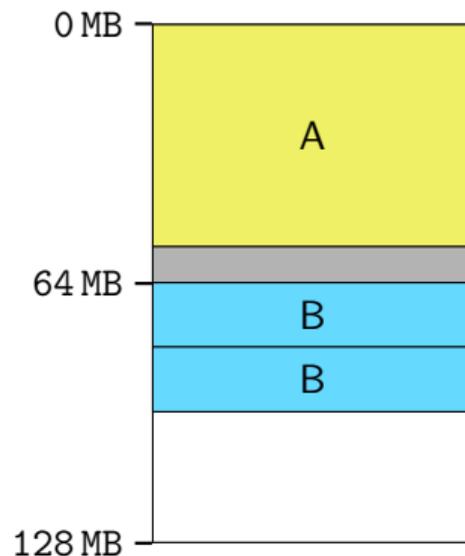
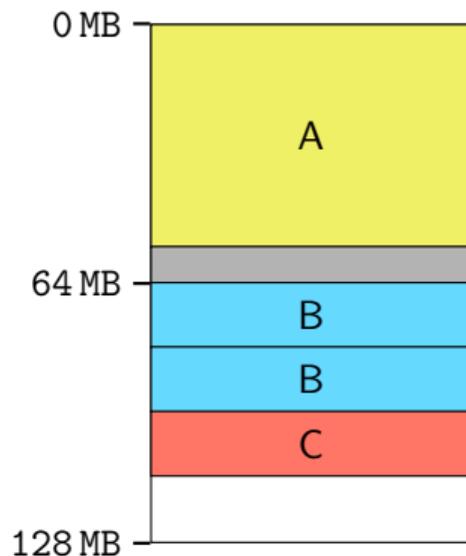


Client-Anwendung 1

WRITE **A** 55 MB at offset 0 MB
APPEND **B** 16 MB
APPEND **C** 16 MB

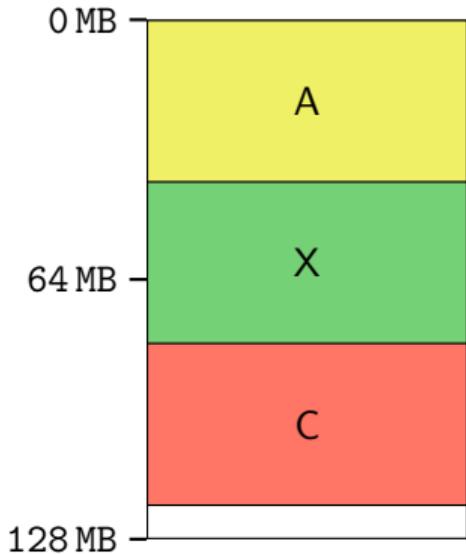


Client-Anwendung 2



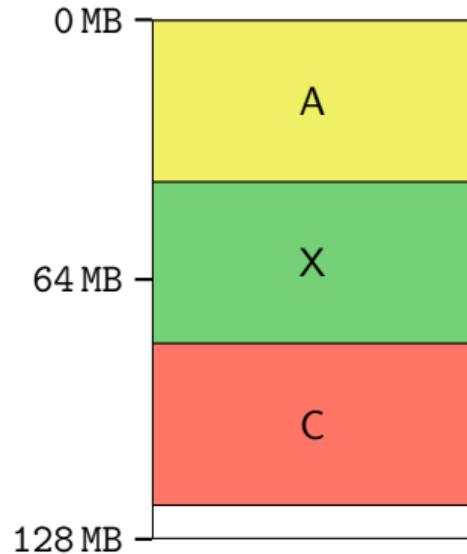
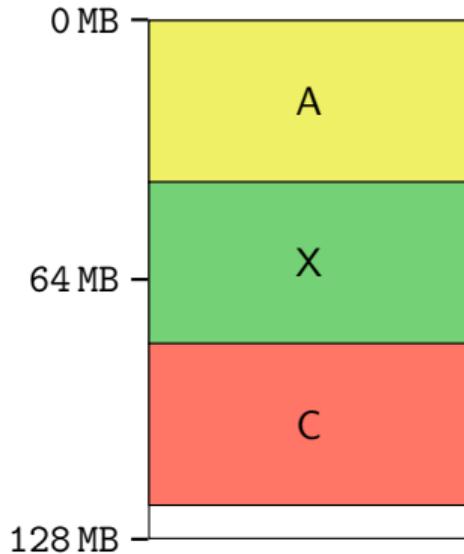
Client-Anwendung 1

- WRITE A 40 MB at offset 0 MB
- WRITE B 40 MB at offset 40 MB
- WRITE C 40 MB at offset 80 MB



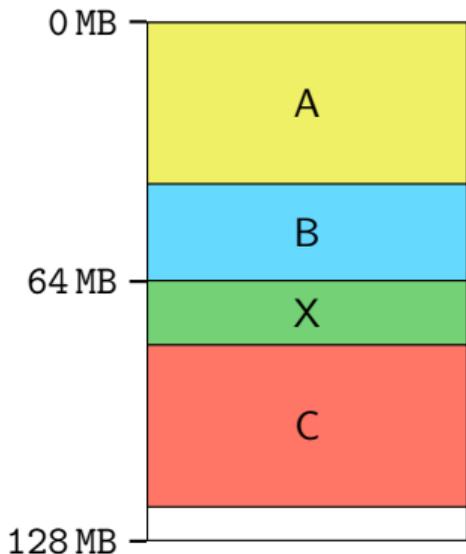
Client-Anwendung 2

- WRITE X 40 MB at offset 40 MB



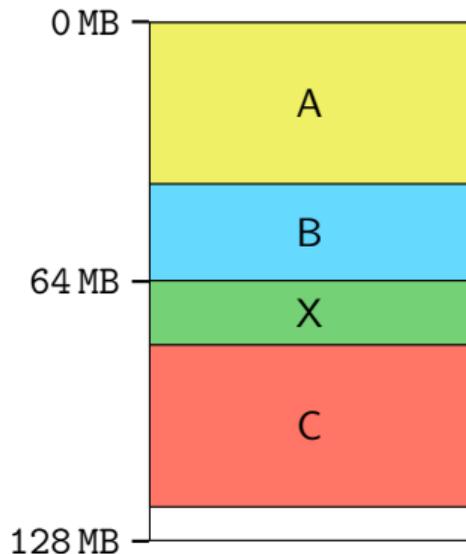
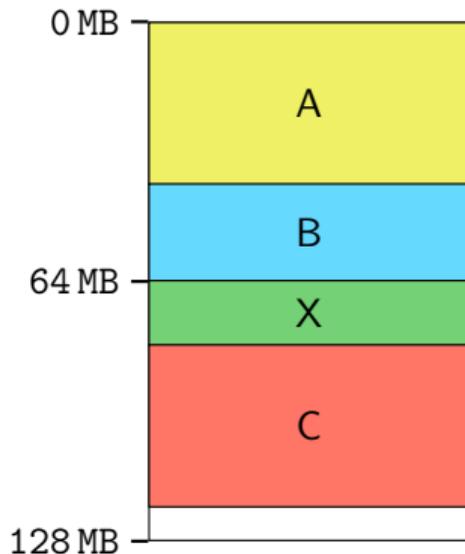
Client-Anwendung 1

WRITE A 40 MB at offset 0 MB
WRITE B 40 MB at offset 40 MB
WRITE C 40 MB at offset 80 MB



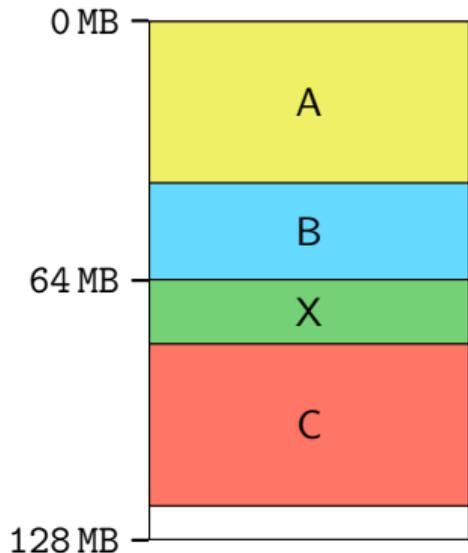
Client-Anwendung 2

WRITE X 40 MB at offset 40 MB



Client-Anwendung 1

WRITE  A 40 MB at offset 0 MB
WRITE  B 40 MB at offset 40 MB
WRITE  C 40 MB at offset 80 MB



Client-Anwendung 2

WRITE  X 40 MB at offset 40 MB

