

# Middleware – Cloud Computing

Verwaltung großer Datenmengen (Zusatz)

Welche der Konstellationen sind im Google File System möglich?

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Wintersemester 2024/25

Tobias Distler

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






**Lehrstuhl für Informatik 4**  
Systemsoftware

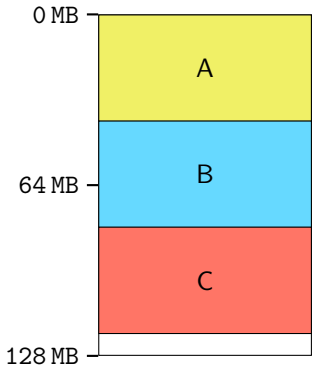


**FRIEDRICH-ALEXANDER  
UNIVERSITÄT  
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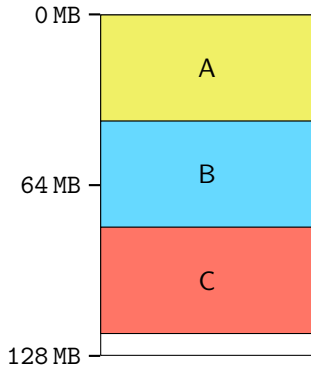
TECHNISCHE FAKULTÄT

## 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

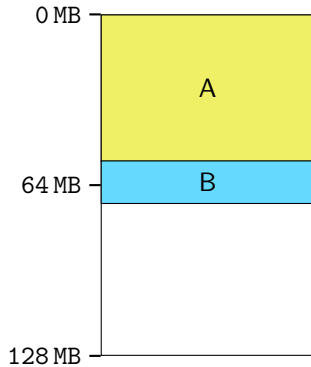
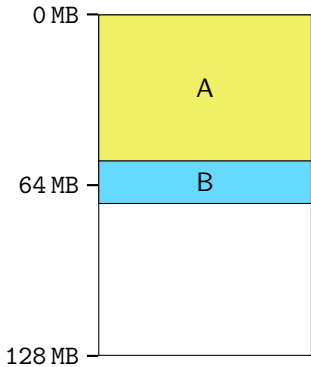


## Client-Anwendung 2



## Client-Anwendung 1

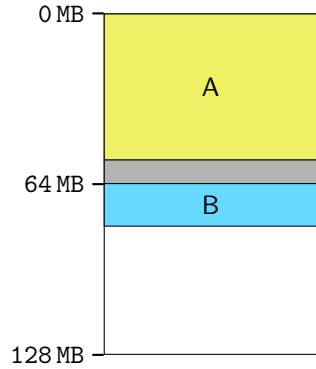
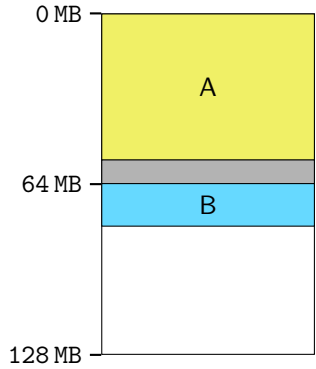
WRITE A 55 MB at offset 0 MB  
APPEND B 16 MB



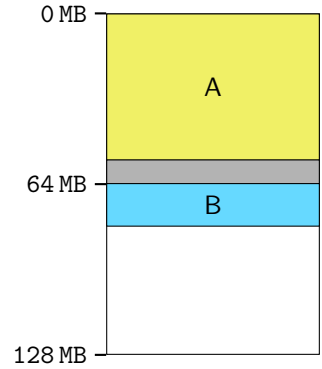
## Client-Anwendung 2

### Client-Anwendung 1

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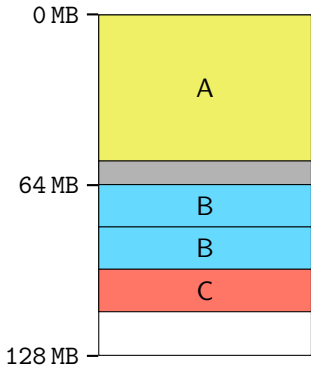


### Client-Anwendung 2

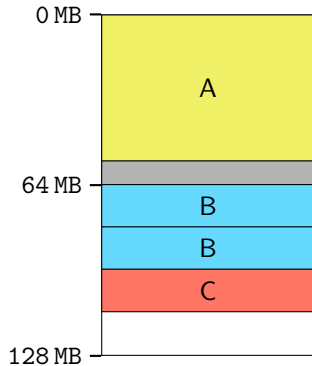
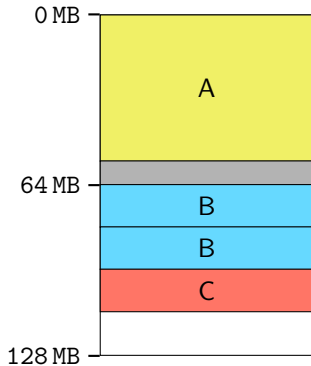


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WRITE **A** 55 MB at offset 0 MB  
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APPEND **C** 16 MB

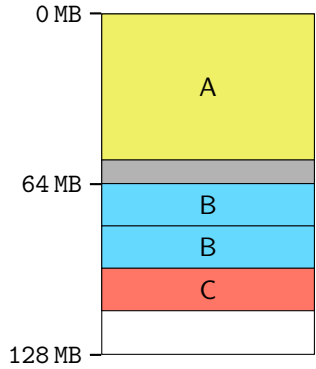


## Client-Anwendung 2

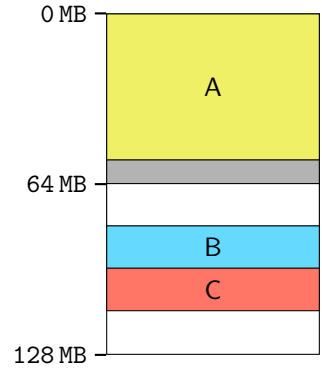
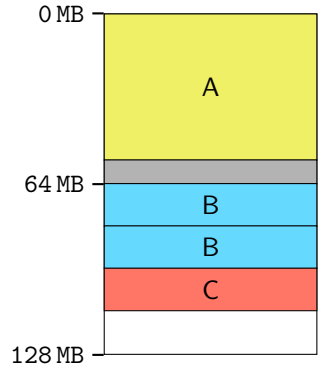


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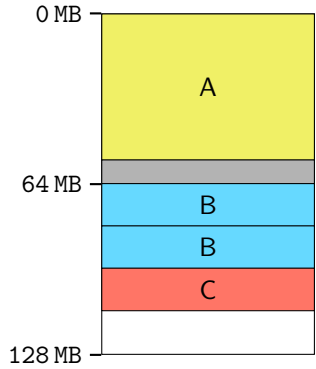


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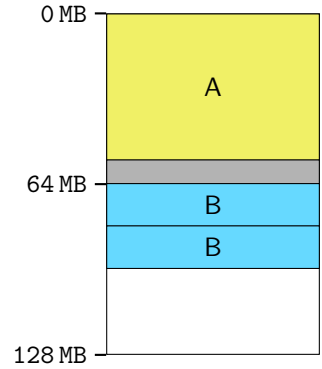
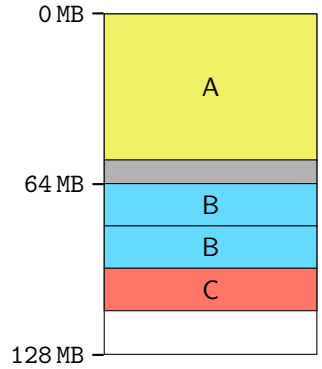


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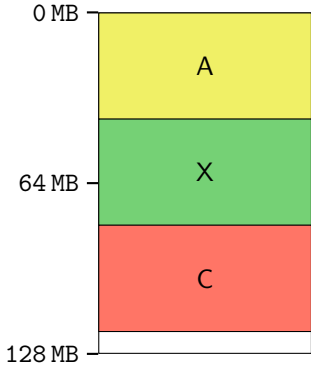


### Client-Anwendung 2



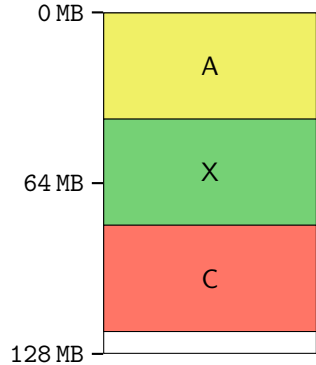
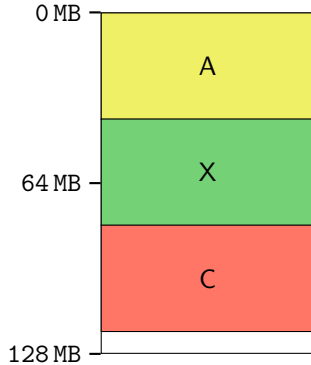
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


## Client-Anwendung 2

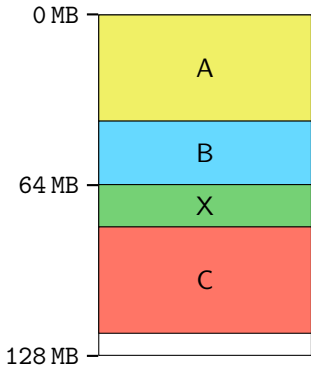
- WRITE X 40 MB at offset 40 MB






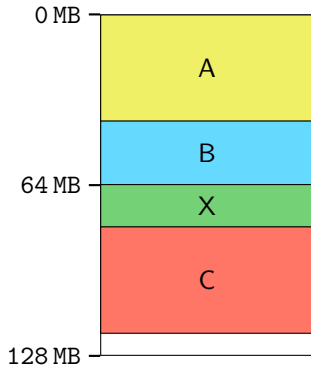
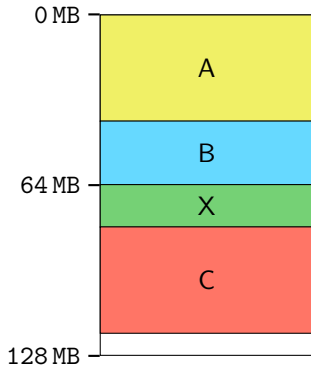
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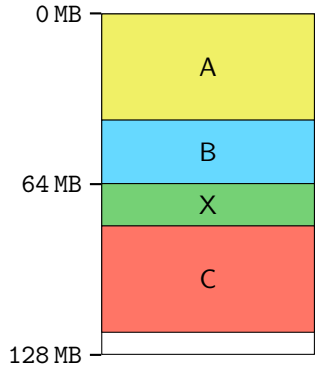
## Client-Anwendung 2

WRITE  X 40 MB at offset 40 MB



### Client-Anwendung 1

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- WRITE C 40 MB at offset 80 MB



### Client-Anwendung 2

- WRITE X 40 MB at offset 40 MB

