

Resilient Cloud-Based Replication with Low Latency

Overview of Idea

Replicating with low latency

Latency-aware replication strategy



How Replicated Data Machine using map?



Replicated data machine: "Global Replicated Data Machine" for the storage of the data

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Latency

Latency-aware replication strategy

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Figure 1: Duplicated state machines using mem. The diagram shows the architecture of the duplicated state machines using mem. The state machines are connected to the mem block, which is connected to the data input and data output of both state machines. The control logic and control output of both state machines are connected to a common control logic block.



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Table 1



1. *Journal of the American Medical Association*, 2000; 283: 2689-2693.






[illegible]

- **2013 survey** – 100% compliance (all 100% with some minor issues)
- **2014 survey** – 100% compliance (all 100% with some minor issues)
- **2015 survey** – 100% compliance (all 100% with some minor issues)



Star-Topology Network



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Diagram 1

Inter-Regional Message Channel (IMC) - Message forwarding

Diagram 2

Inter-Regional Message Channel (IMC) - Message forwarding

Diagram 3



Diagram 4

Inter-Regional Message Channel (IMC) - Message forwarding

Diagram 5

Inter-Regional Message Channel (IMC) - Message forwarding

Diagram 6








Figure 1







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[illegible]





Figure 1.1: A 2D hexagonal grid with a central region

Figure 1.1



Figure 1.2: A 2D hexagonal grid with a central region

Figure 1.2



Figure 1.3: A 2D hexagonal grid with a central region

Figure 1.3



Figure 1.4: A 2D hexagonal grid with a central region

Figure 1.4

- **Importierte + heimische regionale Produkte:** Wein, Äpfel, Kirschen, Bohnen
- **Im Handel für Export**
- **Wird zunehmend in regionale Produkte**
- **Wird zunehmend in regionale Produkte**
 (Kirschen, Äpfel, Wein)
- **Wird zunehmend in regionale Produkte**
 (Kirschen, Äpfel, Wein)



- **Regionen** = 16 deutsche Regionen
Bayern, Baden-Württemberg, Berlin, Brandenburg
- **per Staat** per region
- **161** distrikte = regionen paragrafen
- **161** distrikte = regionen
distrikte nach region
- **Regionen** = 16 deutsche Regionen
Bayern, ... 16 deutsche Regionen
per region



- [illegible]



Summary

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Students

- Differentiate important leader traits
- Differentiate between high integrity
- Differentiate between important leadership traits

Tasks

- Differentiate between group leaders
- Differentiate between group members
- Differentiate between group members

Key points to remember

- Differentiate between group members
- Differentiate between group members