

Cluster

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Sector Nord AG

Workshop 2013

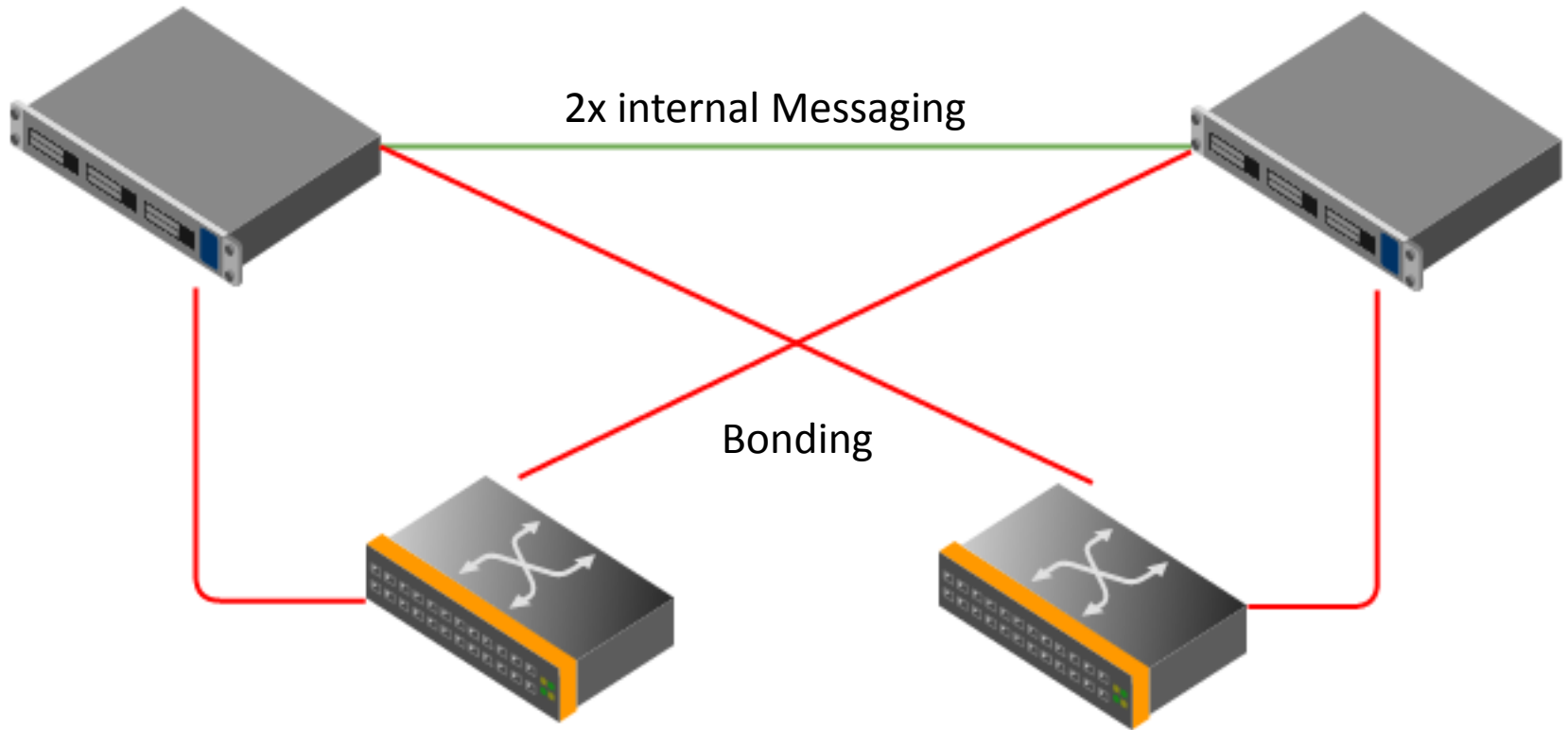


Einleitung

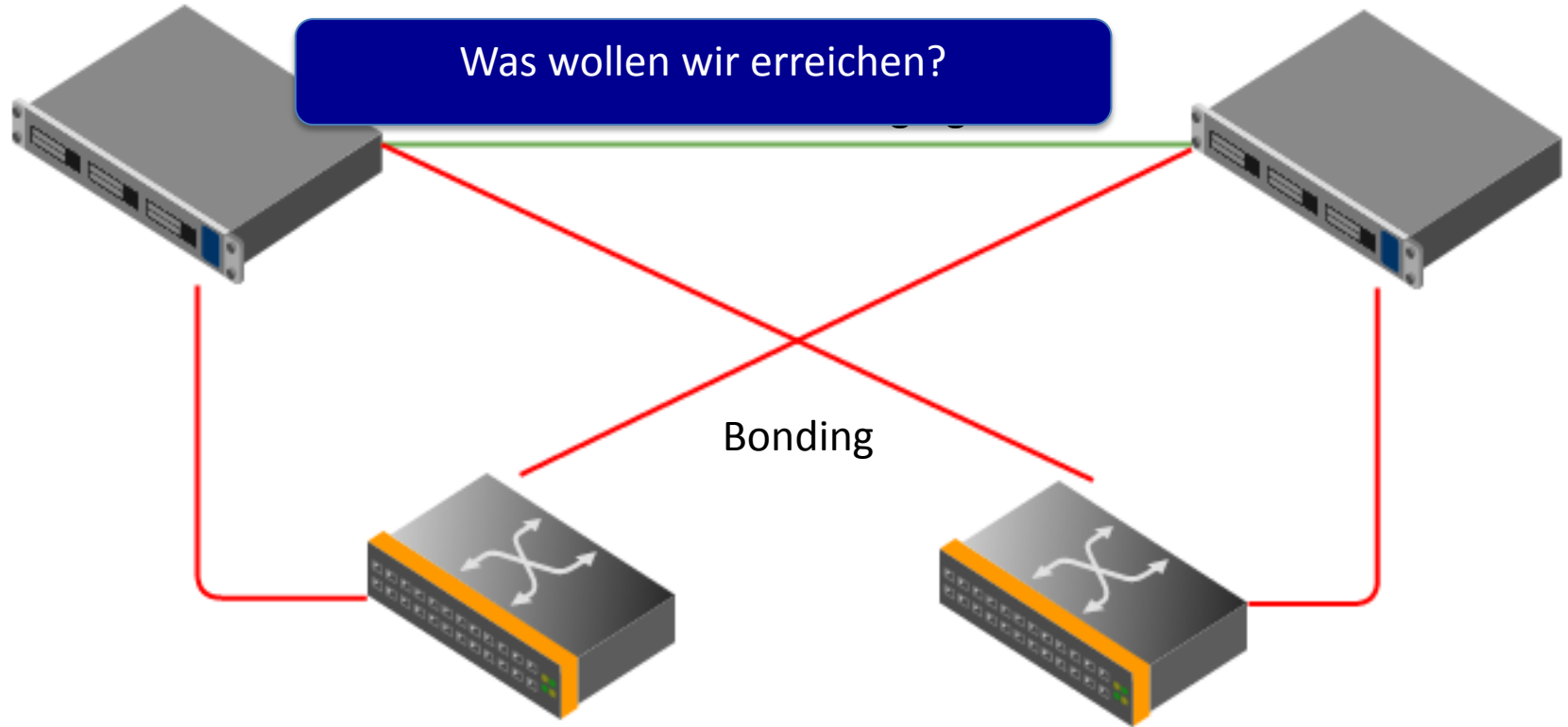
$$\text{Verfügbarkeit(in Prozent)} = \left(1 - \frac{\text{Ausfallzeit}}{\text{Produktionszeit} + \text{Ausfallzeit}} \right) \cdot 100$$



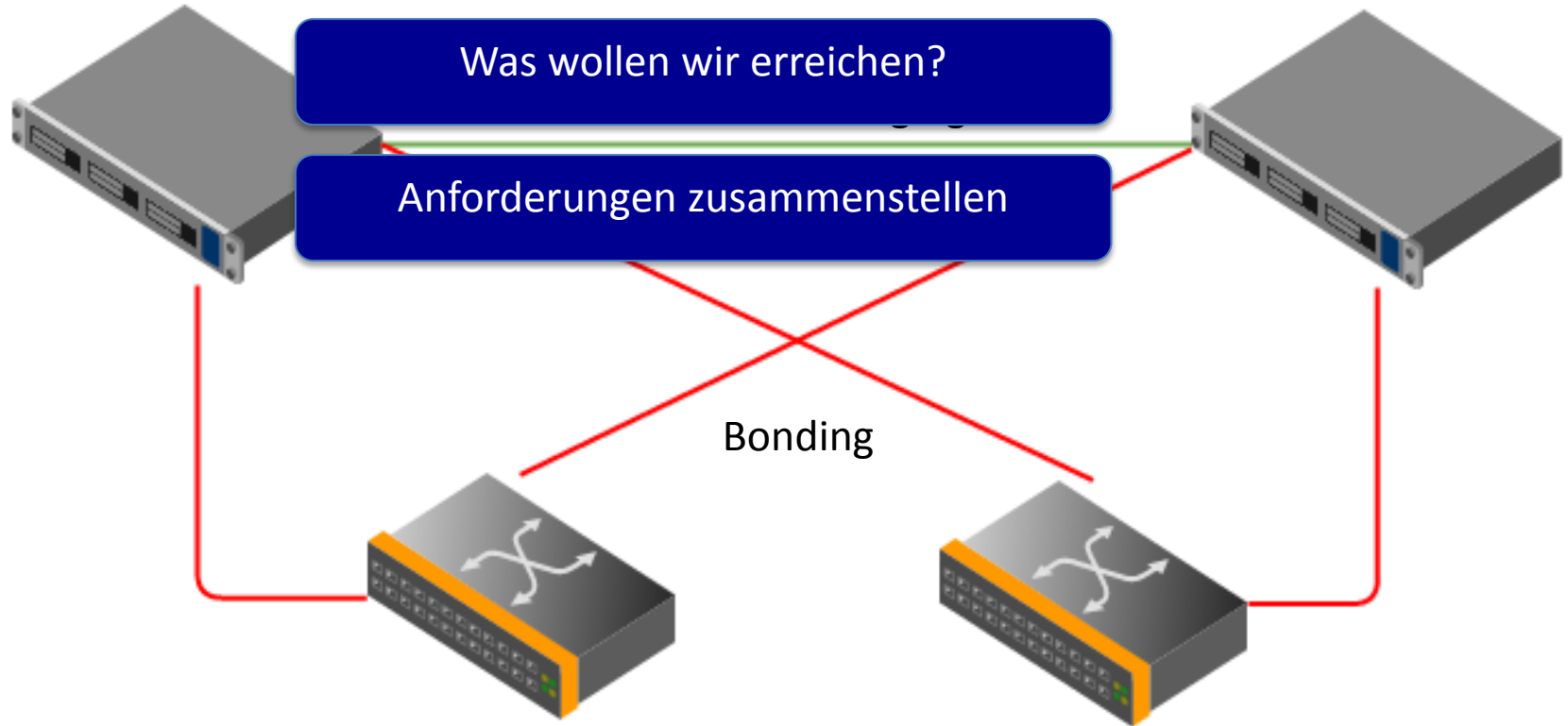
Konzept



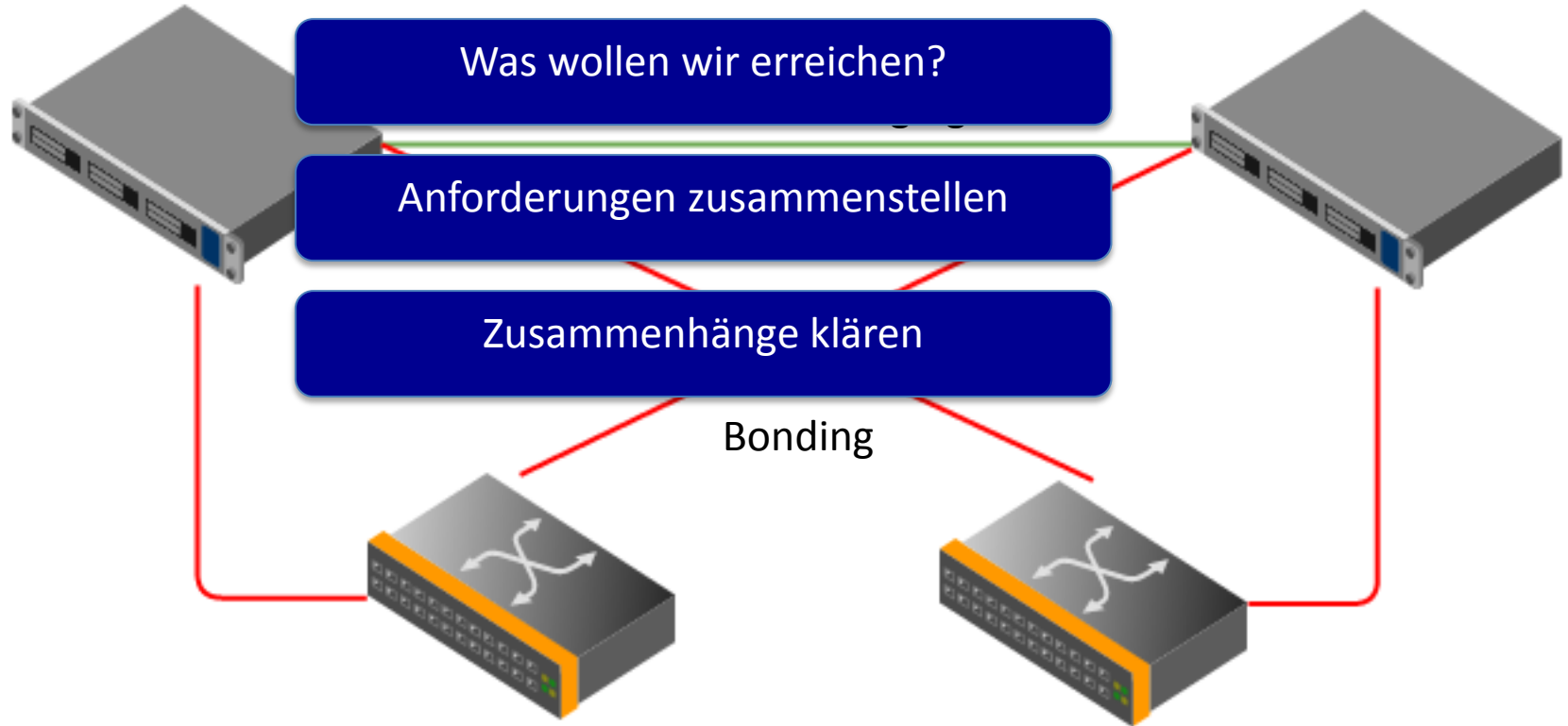
Konzept



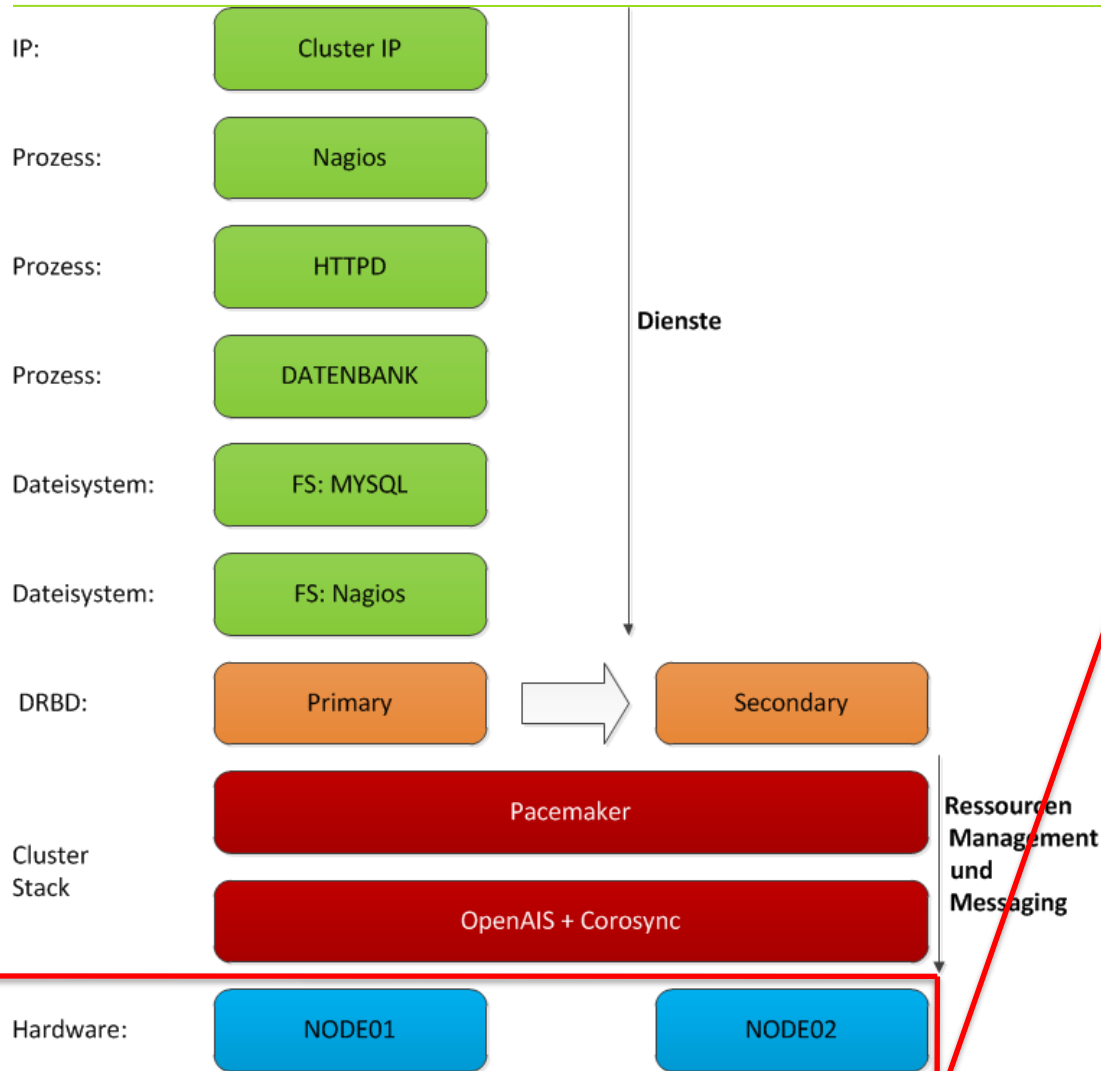
Konzept



Konzept



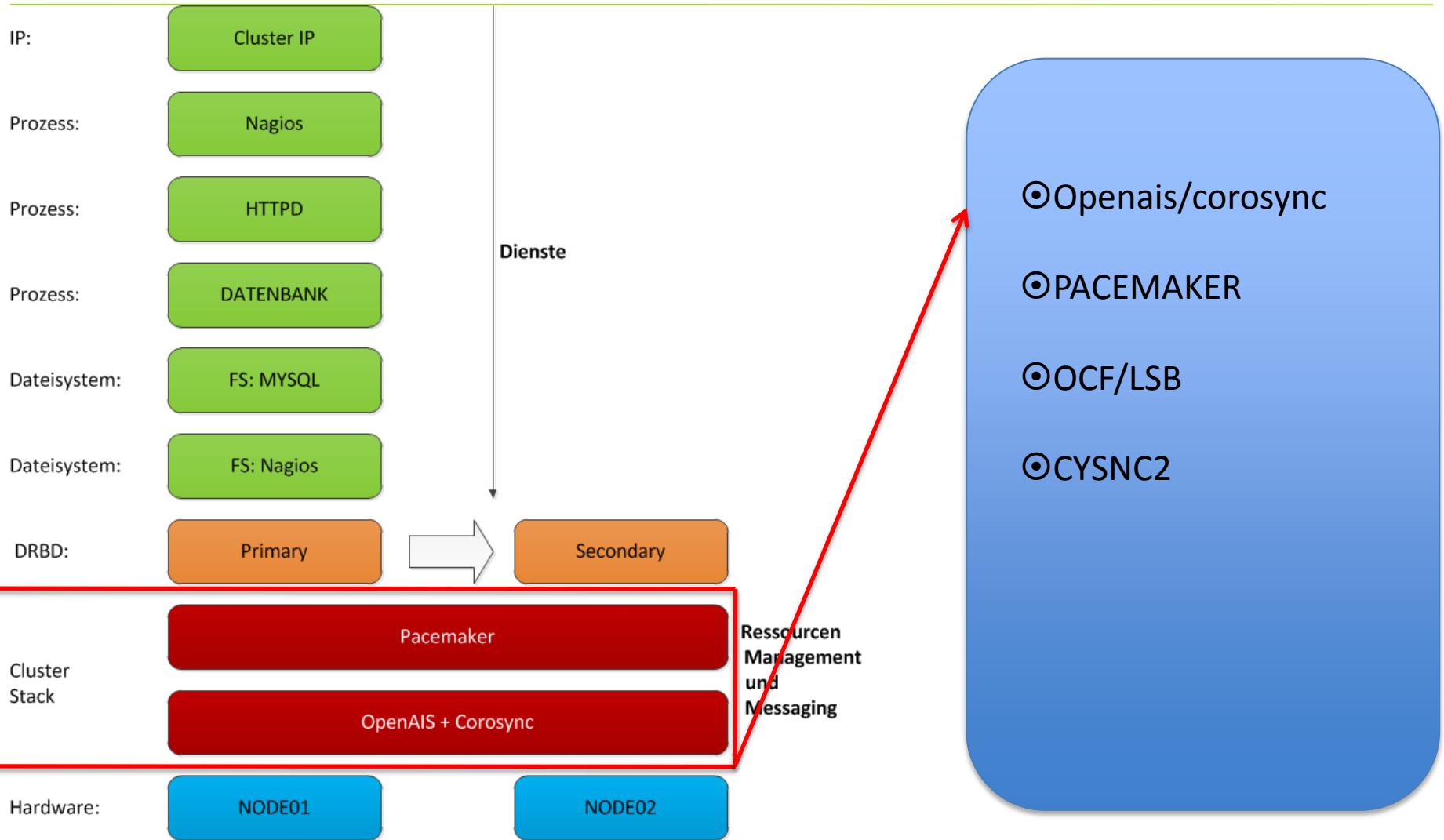
Technik: Hardware



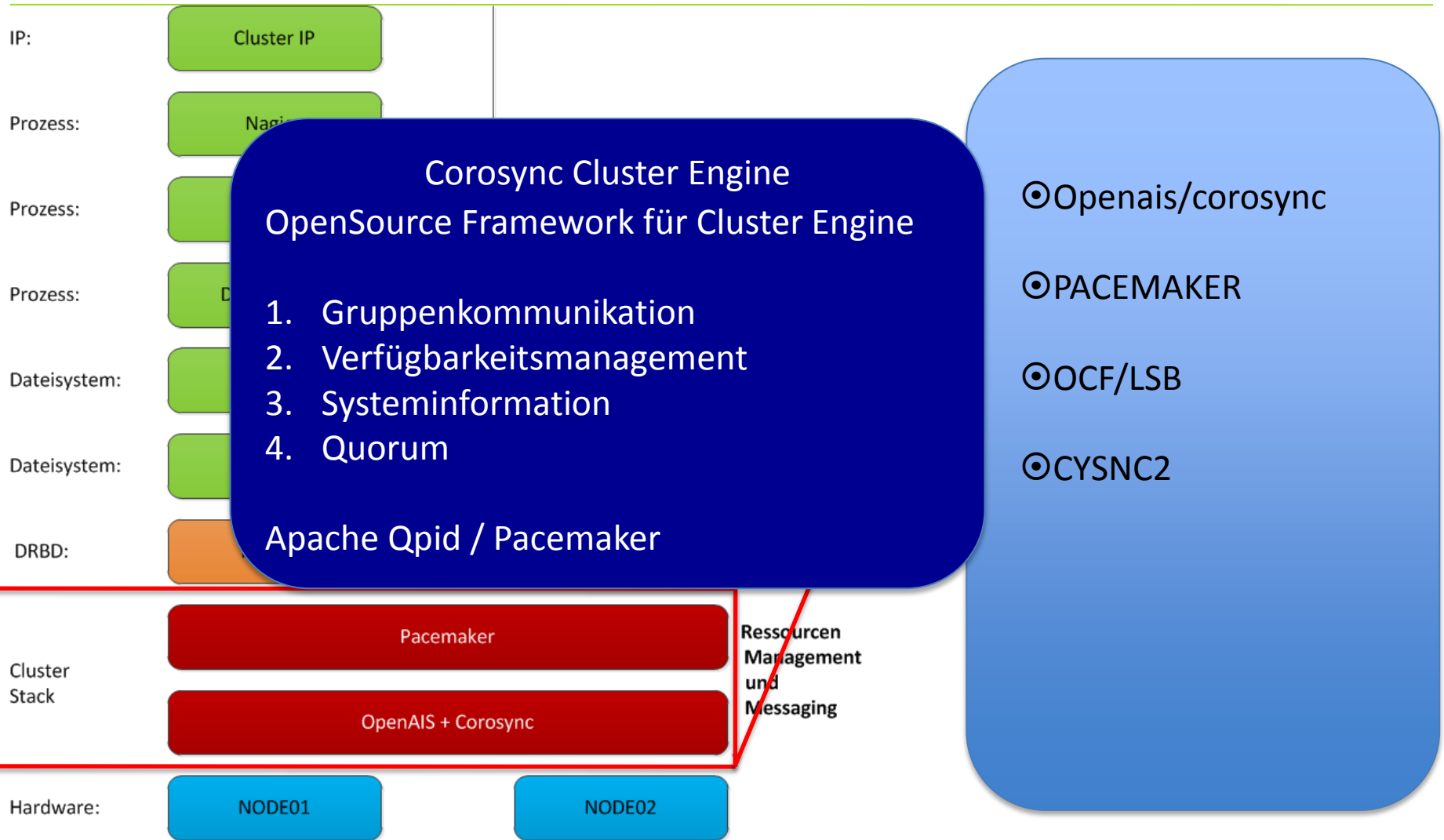
- Gleichwertige Systeme
- 2x 4 Core CPU
- 8-16 GB RAM
- Storage:
 - SSD (min. 2)
 - HDD (min. 4)
- 2x Power Supply
- 4x LAN



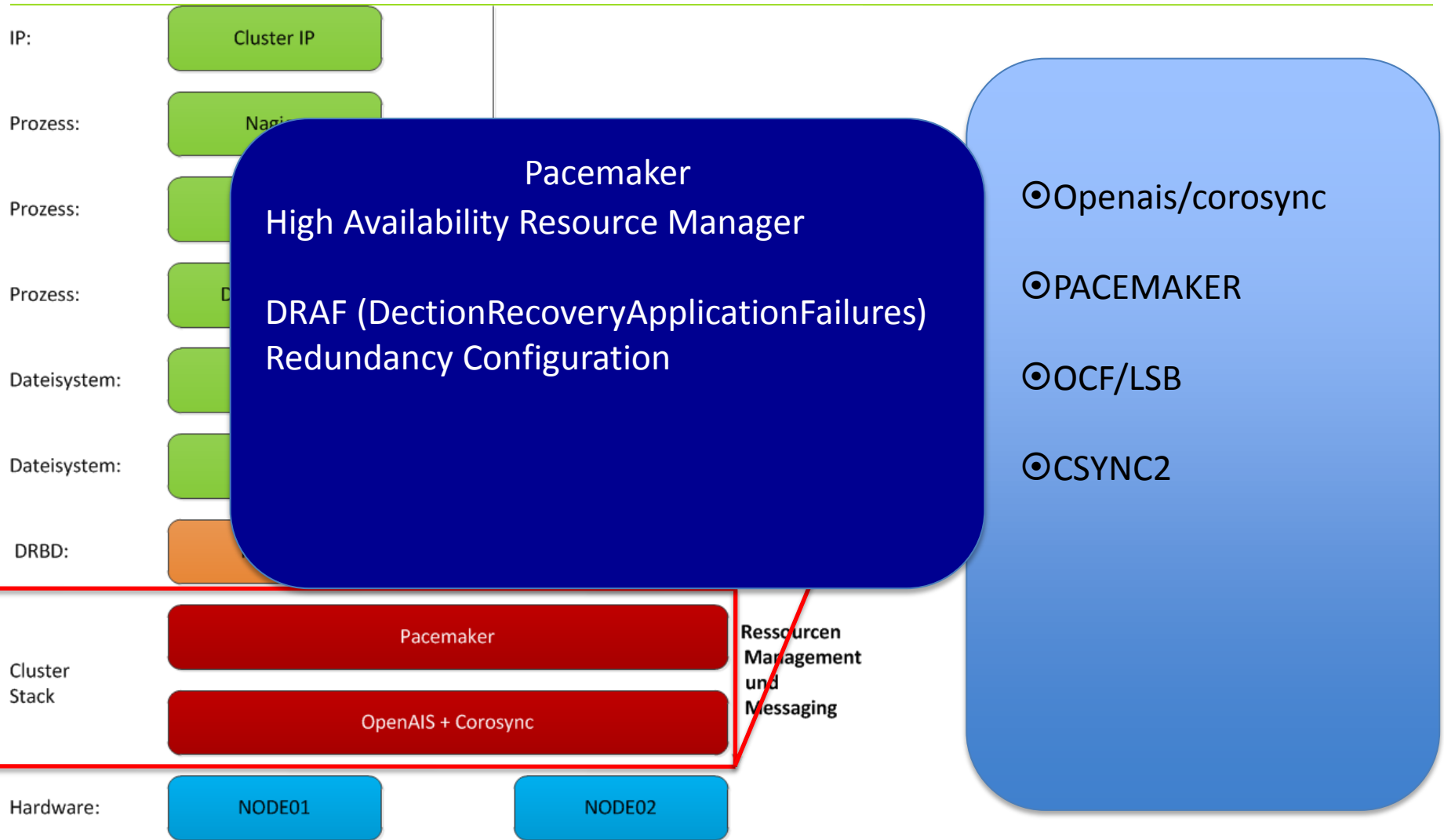
Technik: „Cluster Stack“



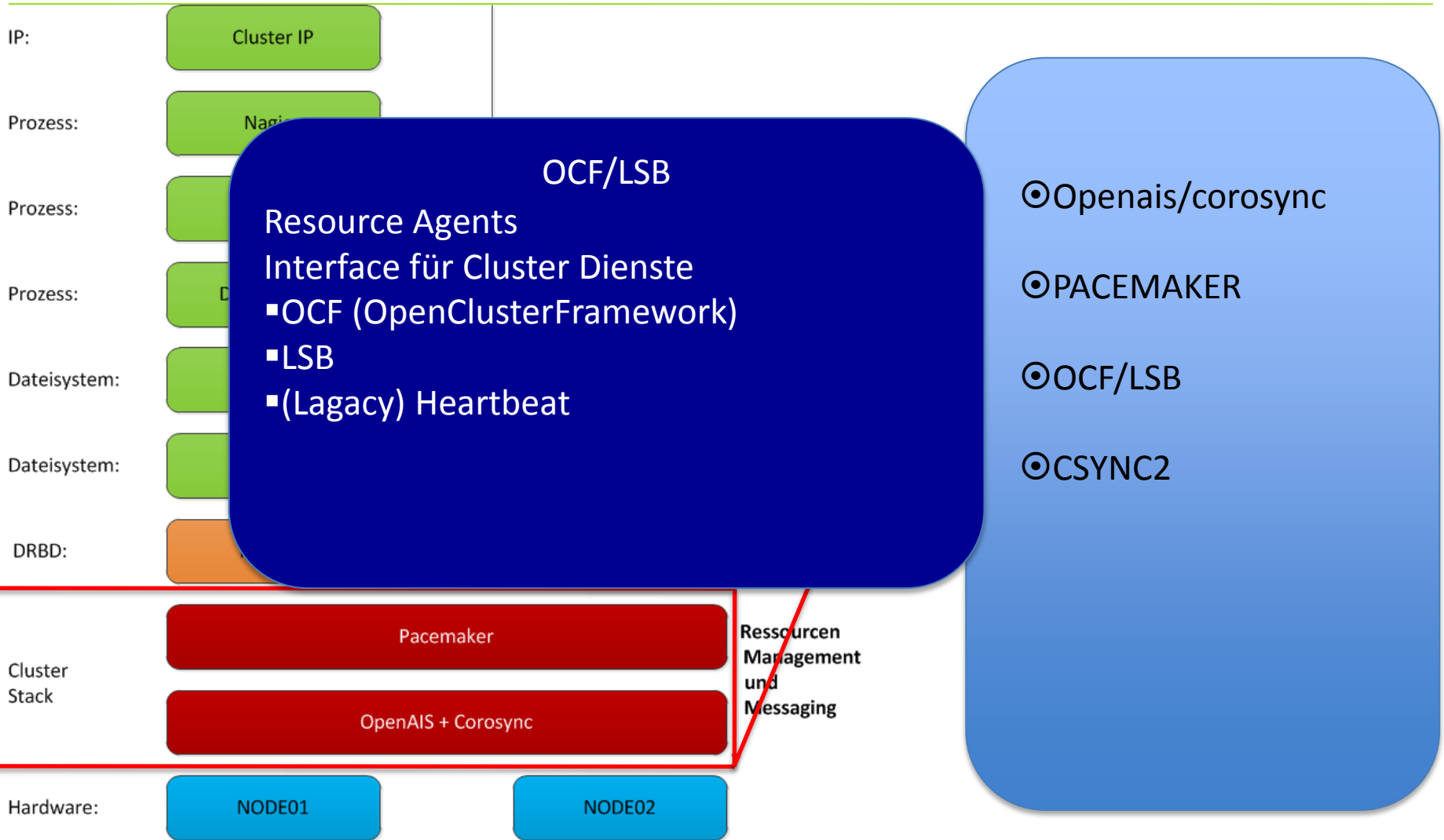
Technik: „Cluster Stack“



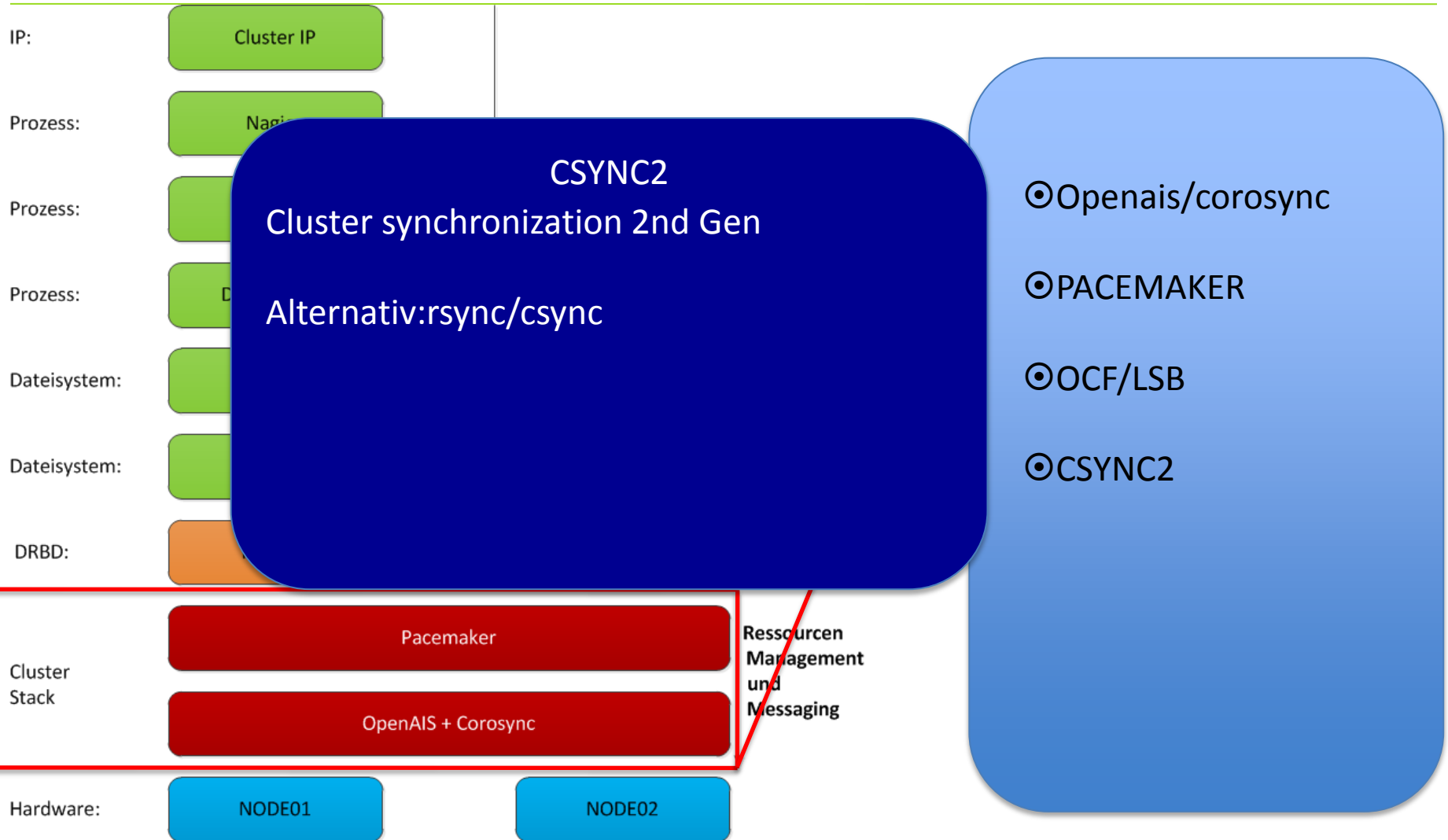
Technik: „Cluster Stack“



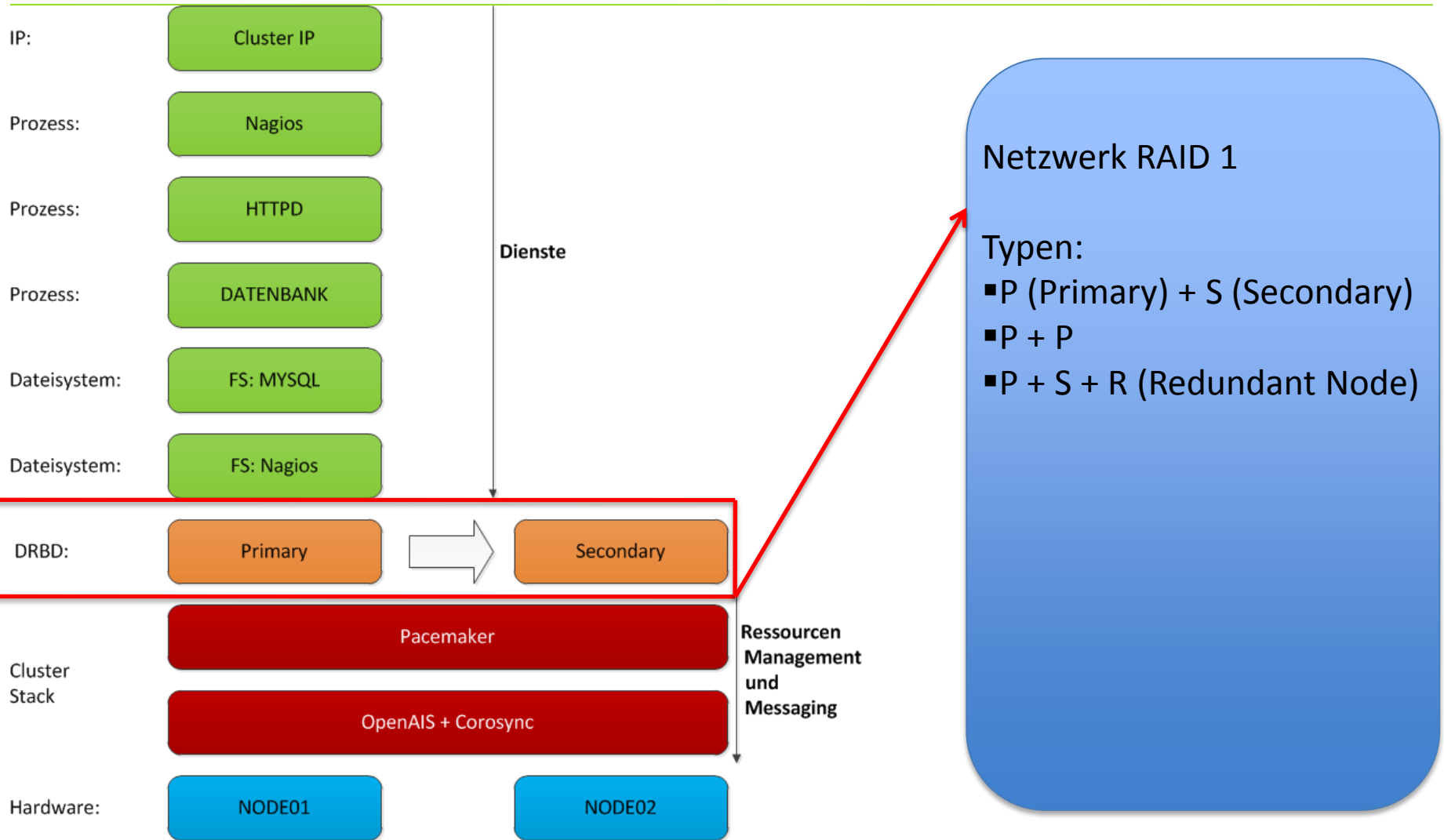
Technik: „Cluster Stack“



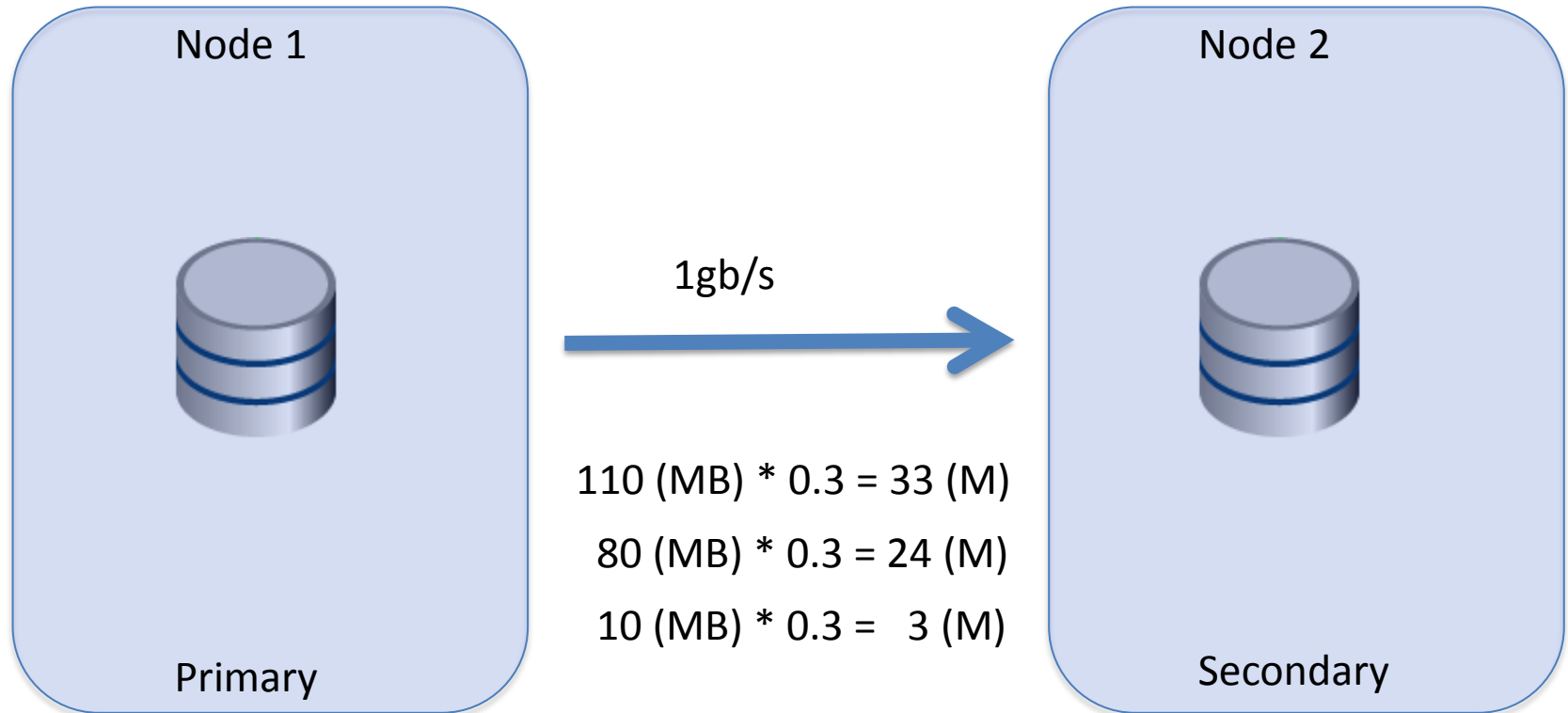
Technik: „Cluster Stack“



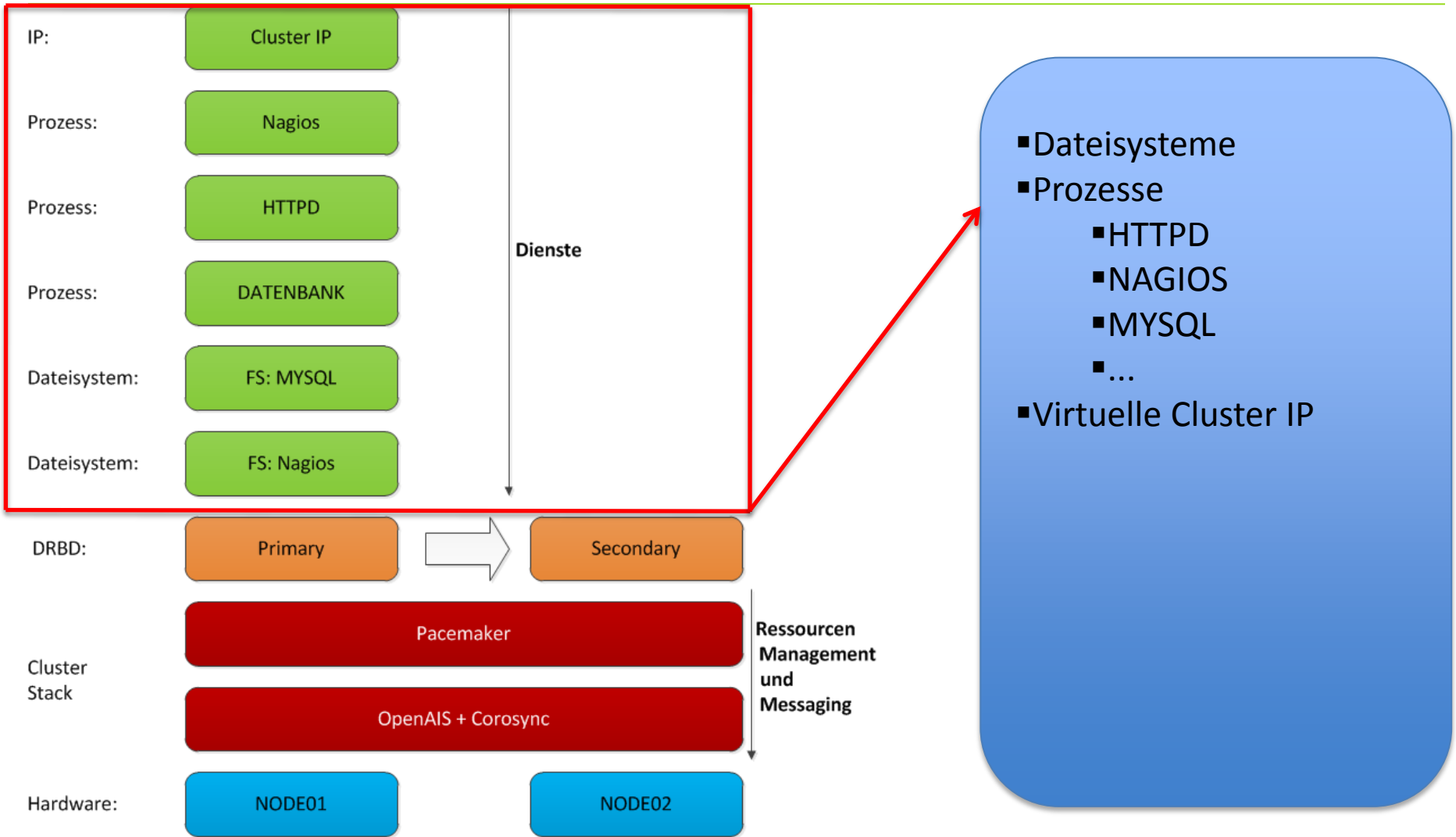
Technik: Distributed Replicated Block Device



Technik: Distributed Replicated Block Device



Technik: Dienste



Known Problem: IO

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01010101000111000111100001110100101010  
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101010101010101111000101010101000101  
101001010101010010101001010101011001  
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001010101010101110001101010100101011  
010101010101010101010101010101010011  
101010101010010101010010101010101011
```



Known Problem: IO

