

**IBM MQ HA**  
**Cross region resiliency over internal Cloud environment**

**DEMONSTRATION**

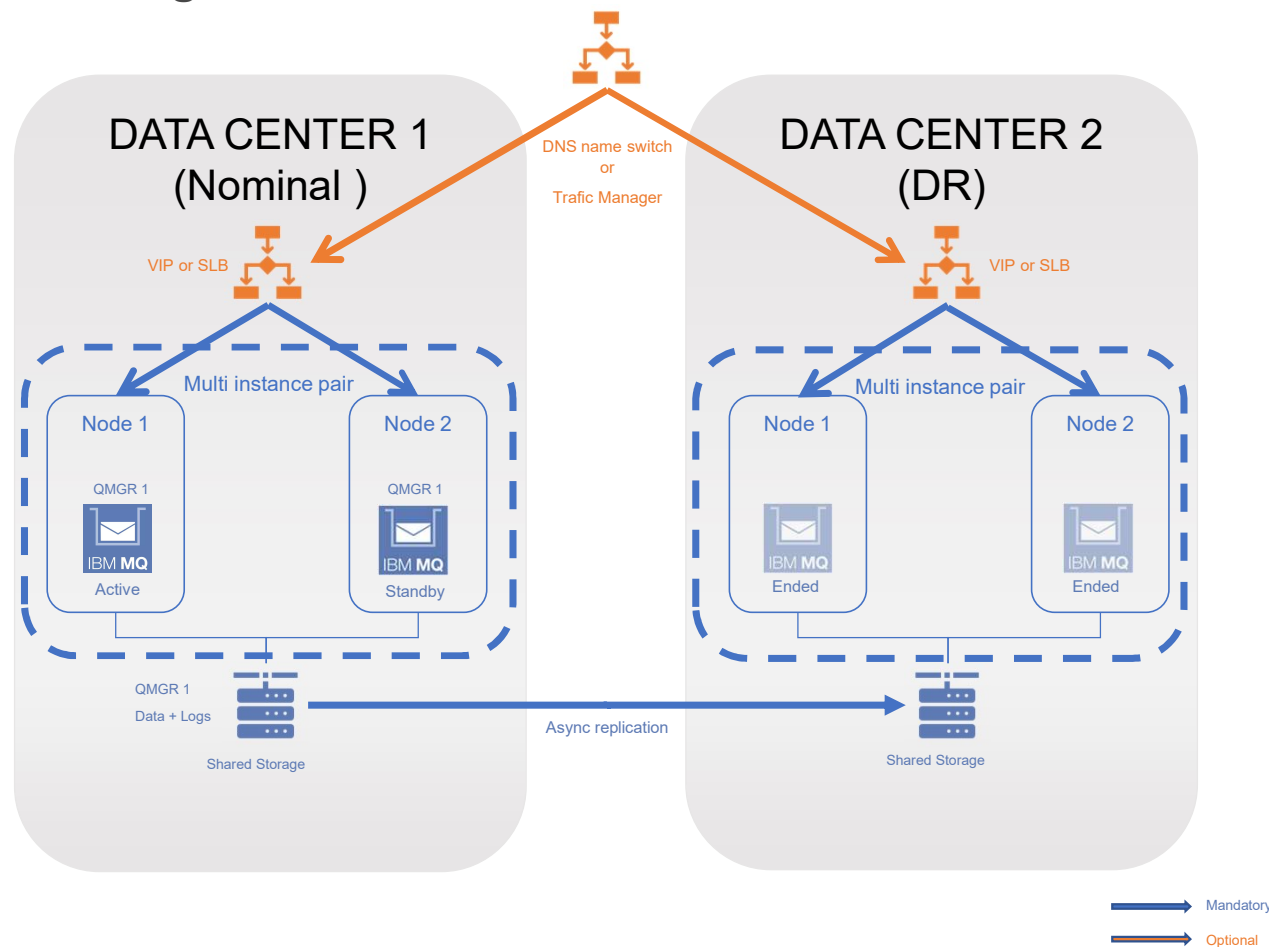
Guide MQ – 12/10/2021

## Multi-instance with DR replication design

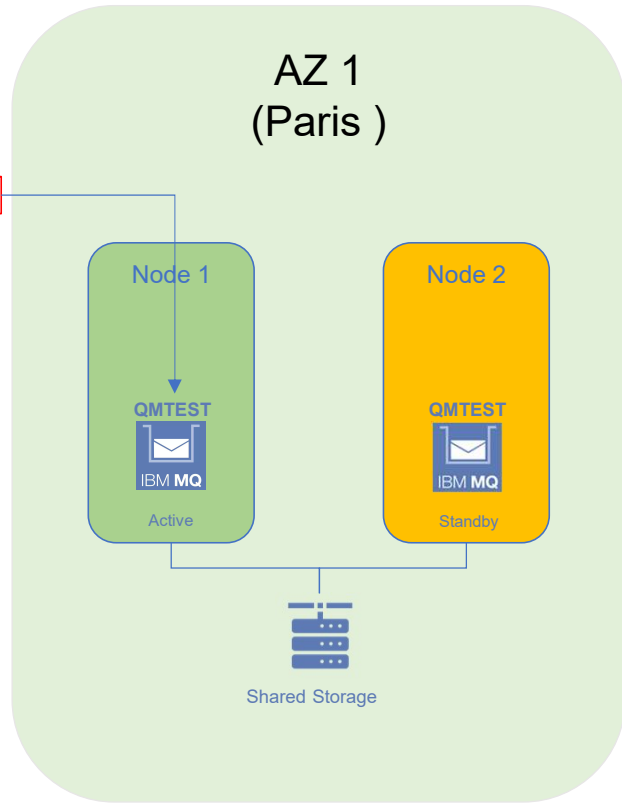
### Solution consist of Following components :

- 2 data centers (ex : Paris and North)
- 4 Redhat Linux servers
- IBM MQ server installation 9.x
- File storage consistency groups with cross-region replication
- File system per MQ instance
- IBM MQ Multi-Instance setup

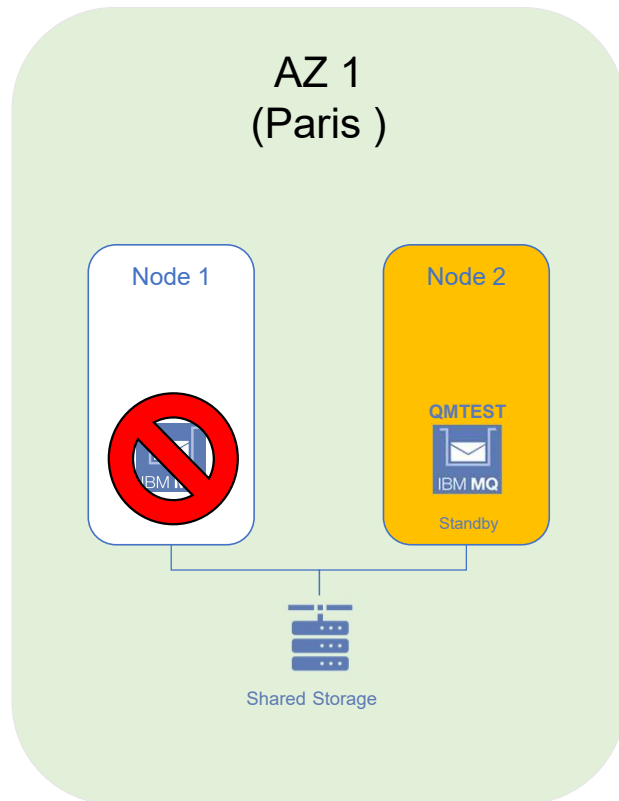
Note :  
It is recommended to use load balancer for switching application between active instances instead MQCHLTAB or multiple IP addresses configuration in related clients.



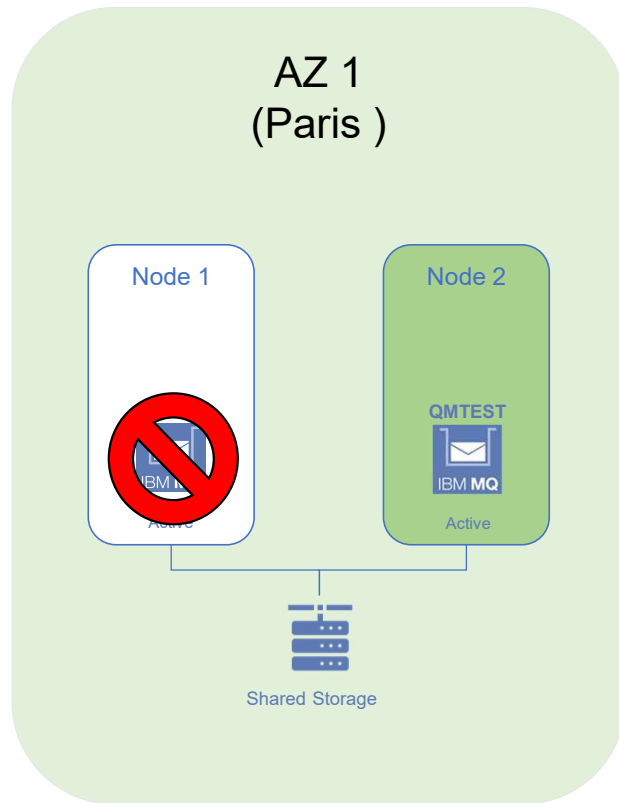
# Local resiliency



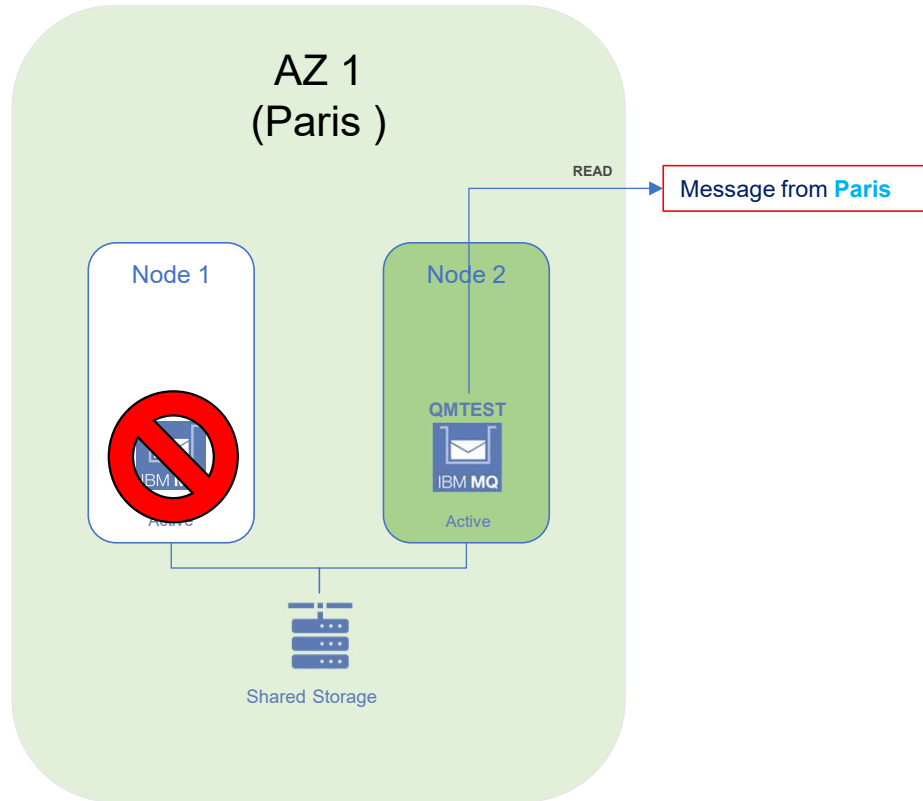
## Local resiliency



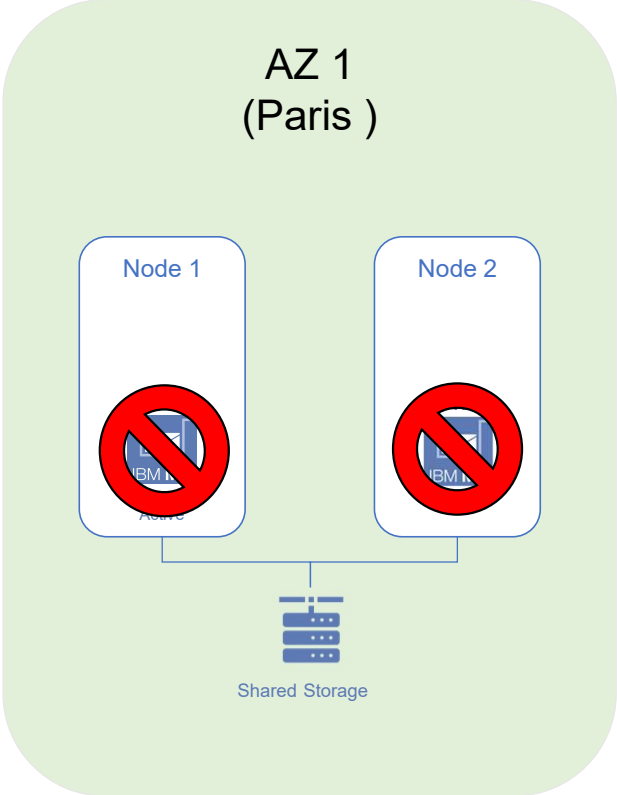
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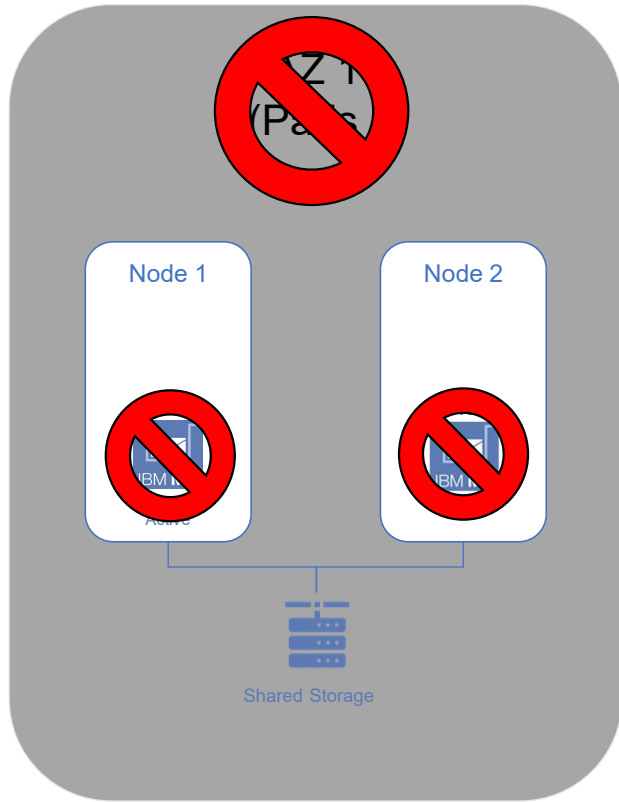
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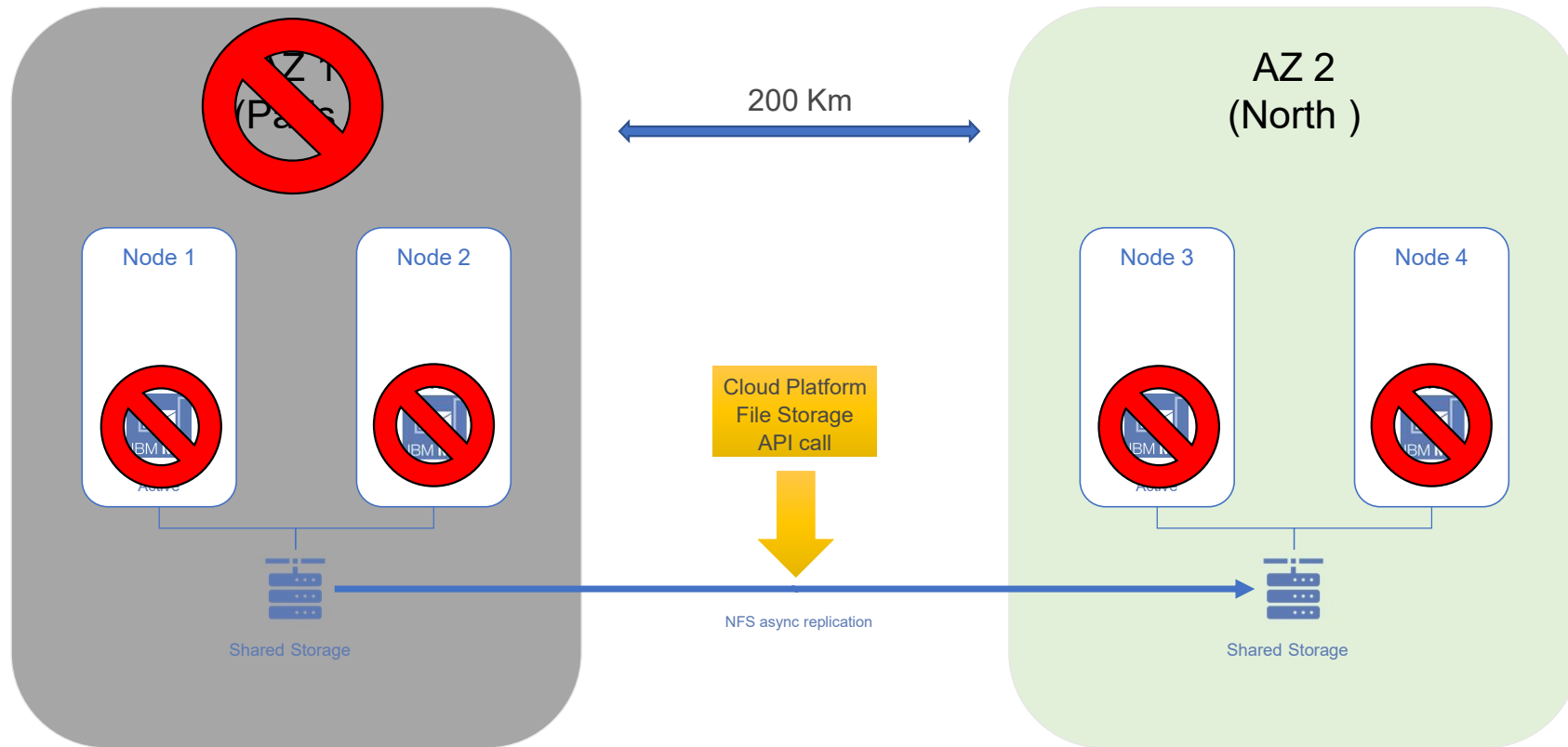


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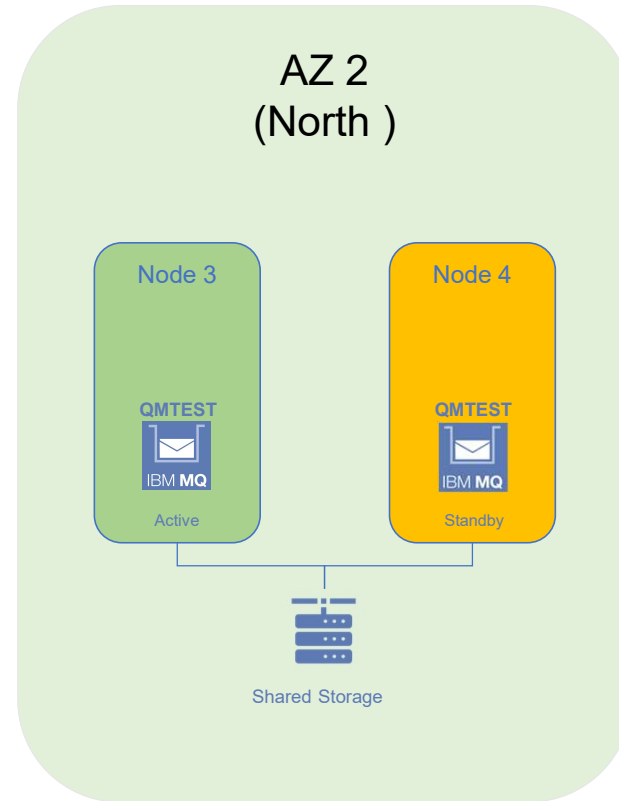
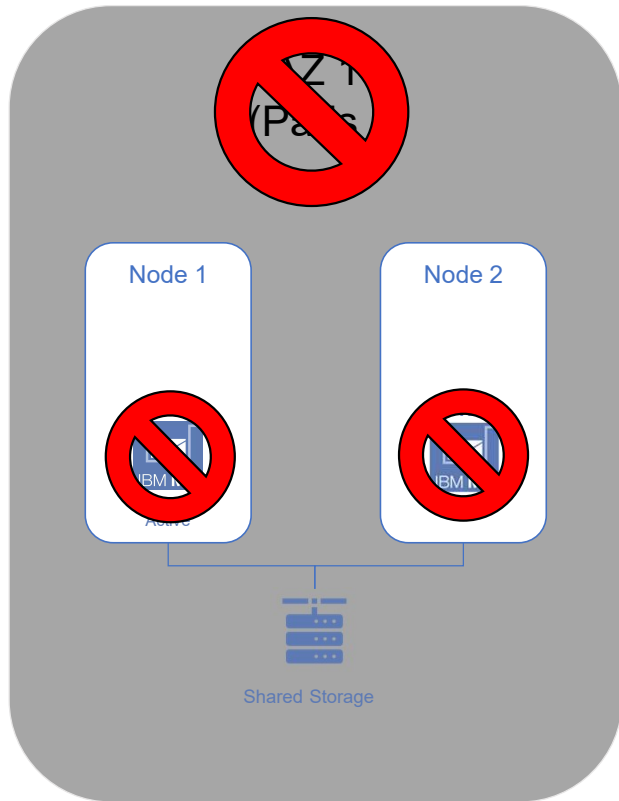




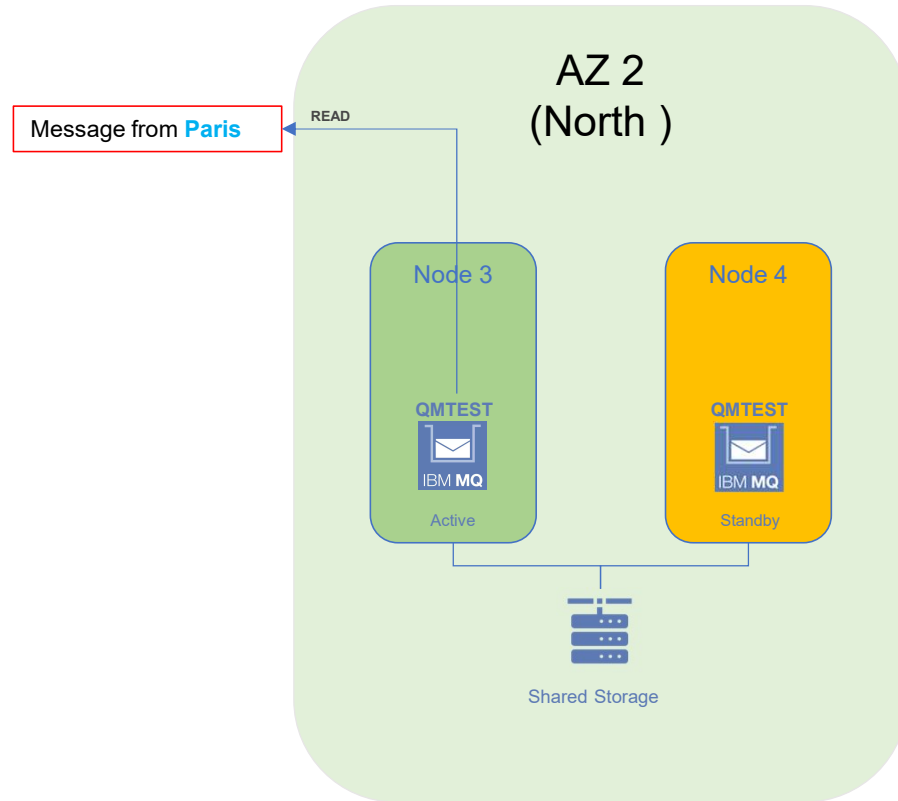
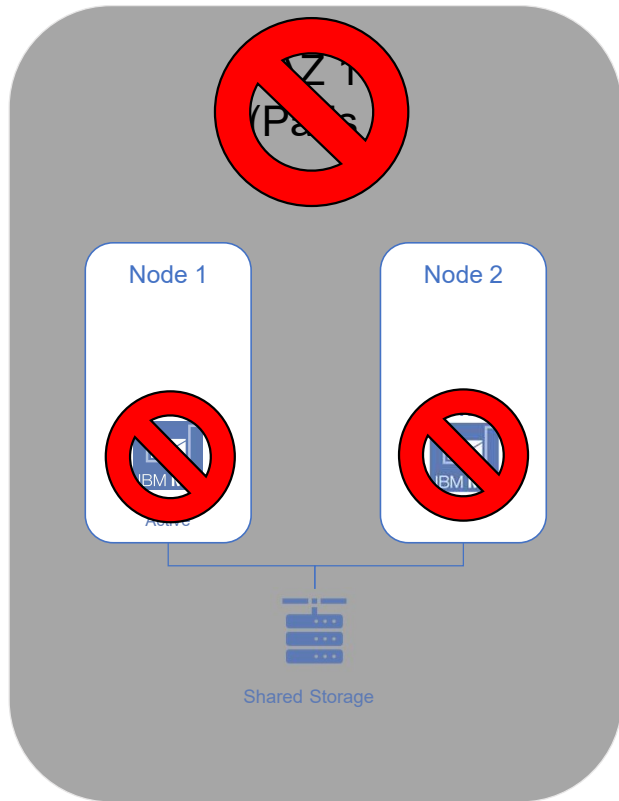
# Cross region resiliency



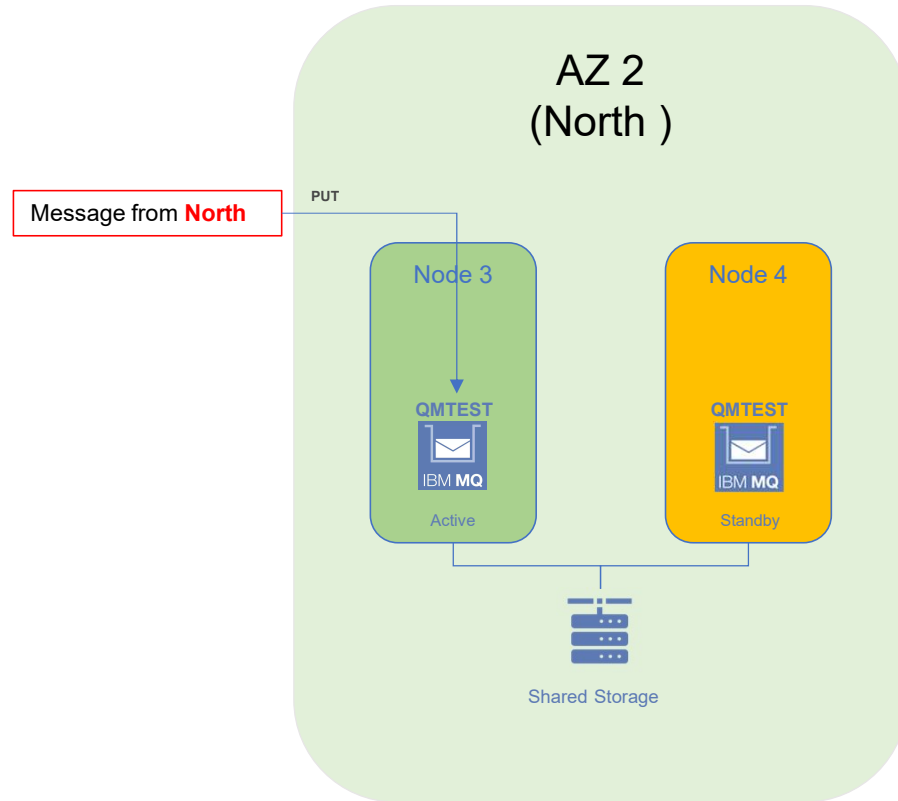
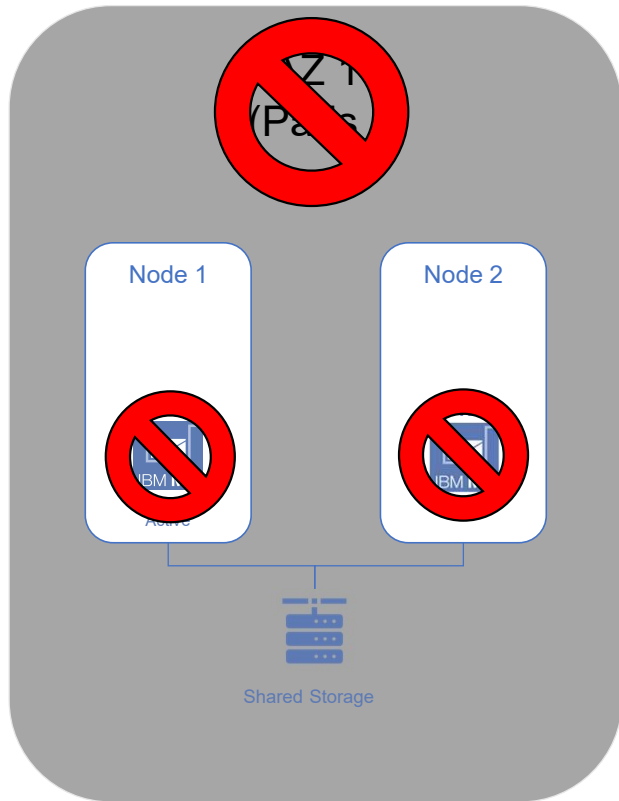
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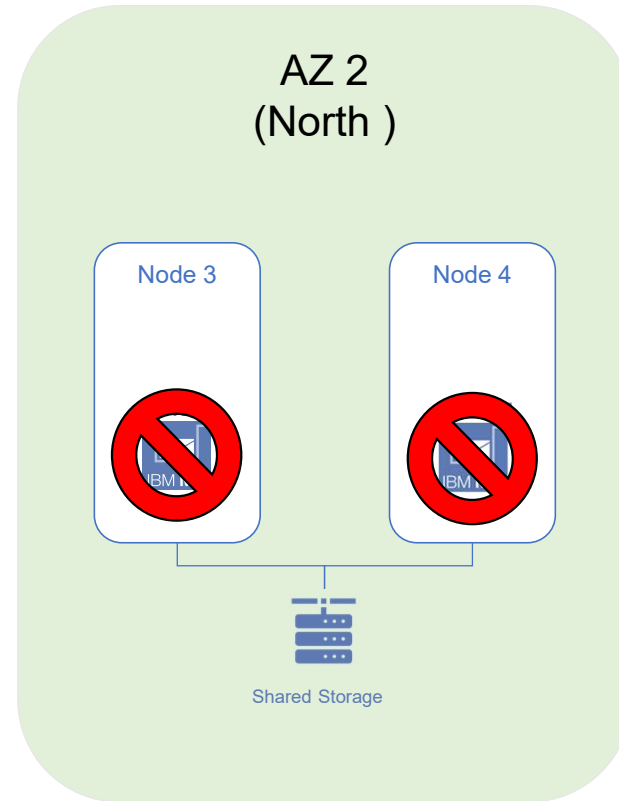
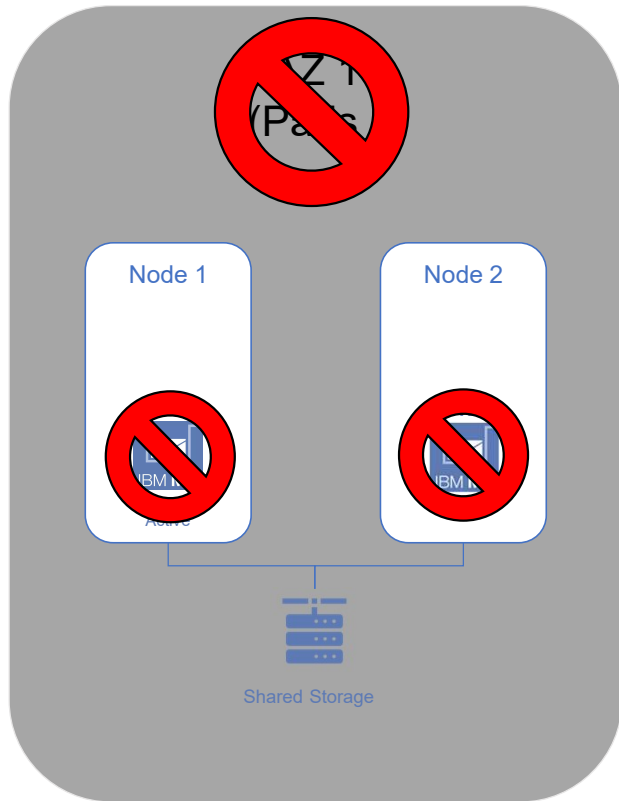
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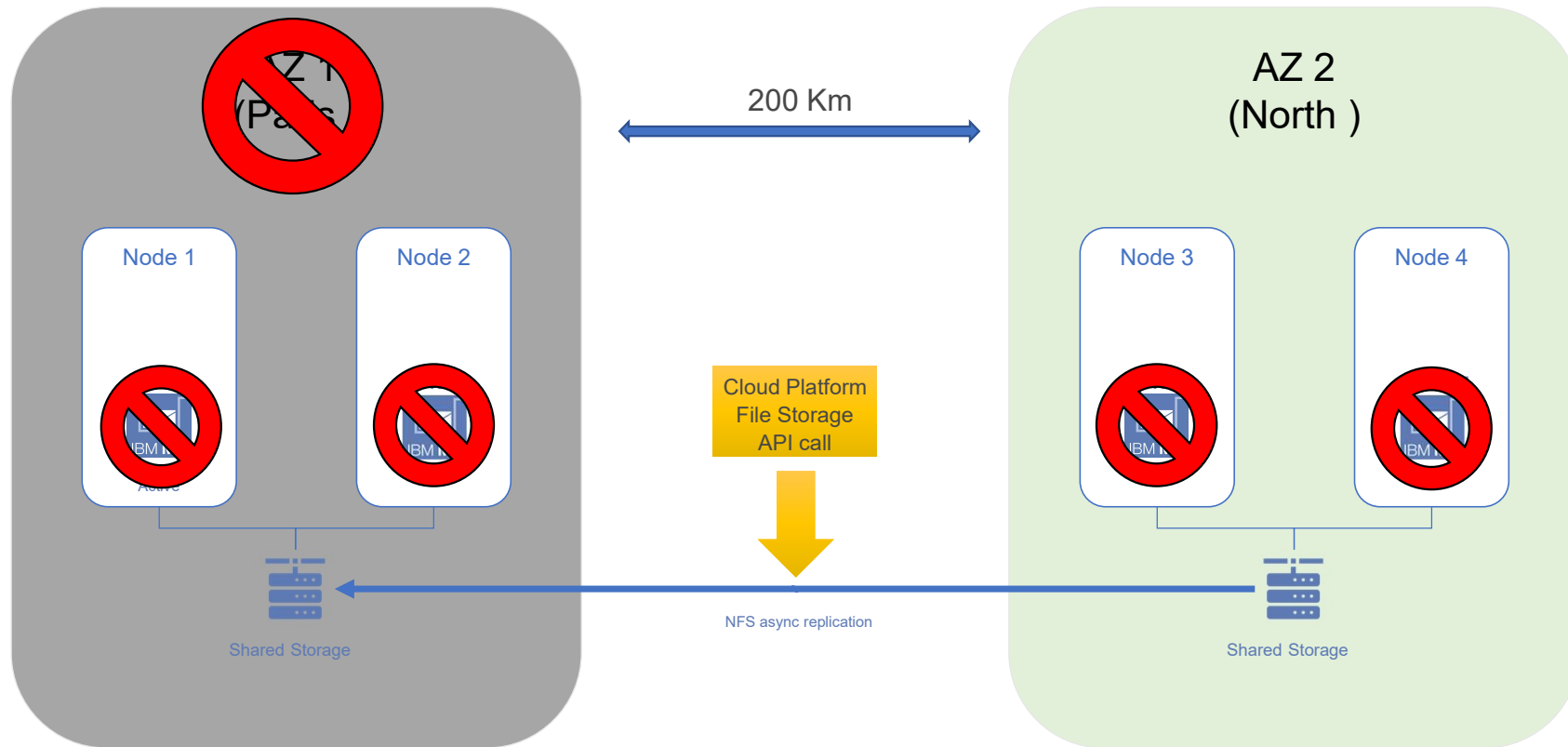
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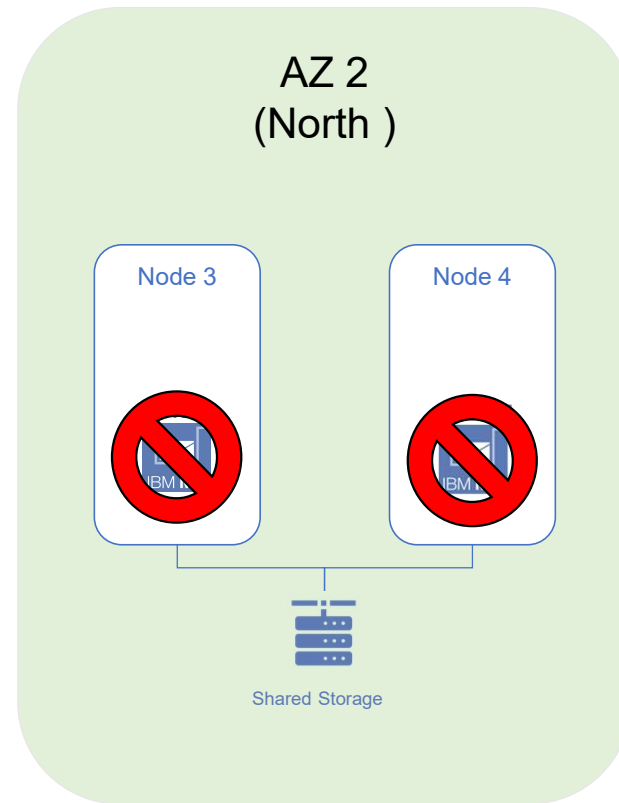
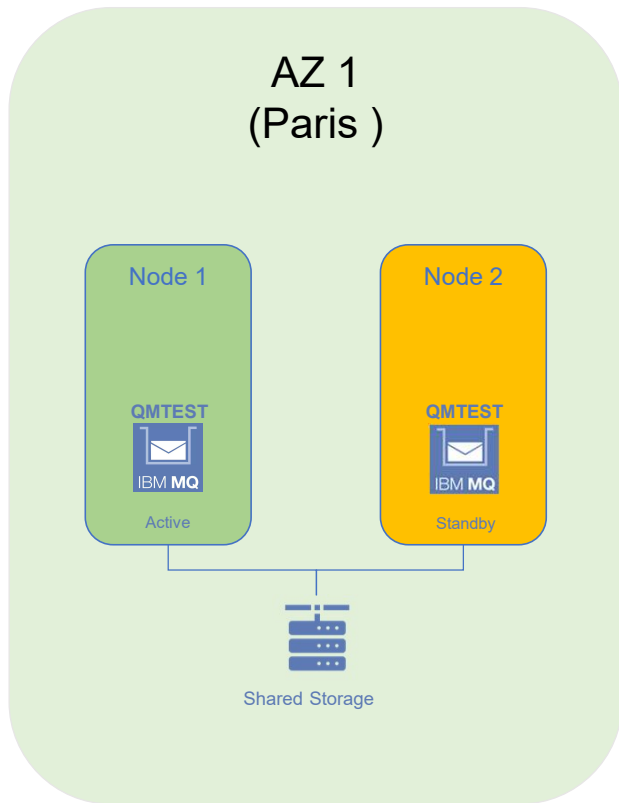
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