



In-Memory  
Computing  
SUMMIT

NORTH  
AMERICA  
2018

# Optimized in-memory IBOR architecture in a cloud environment

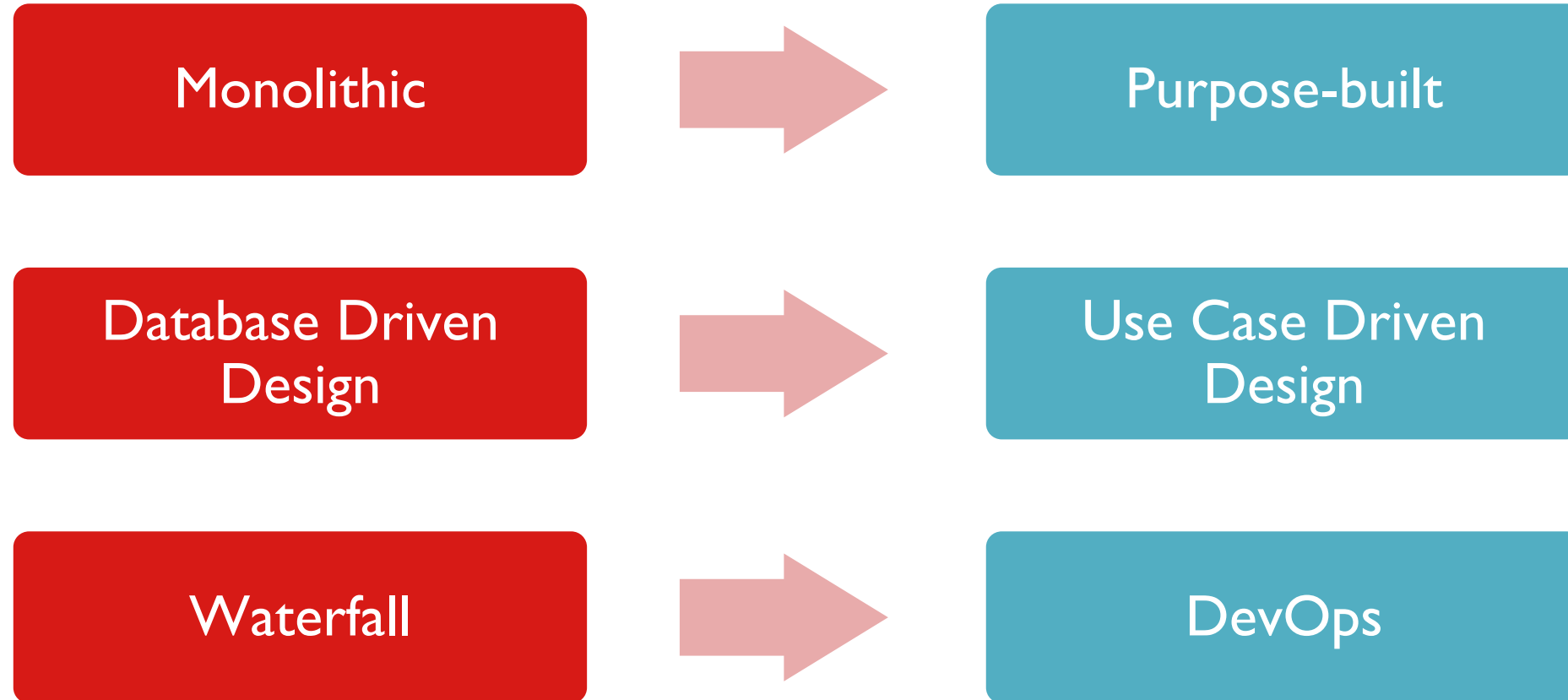
## Using Apache Ignite

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Rafique Awan

VP, Wellington Management

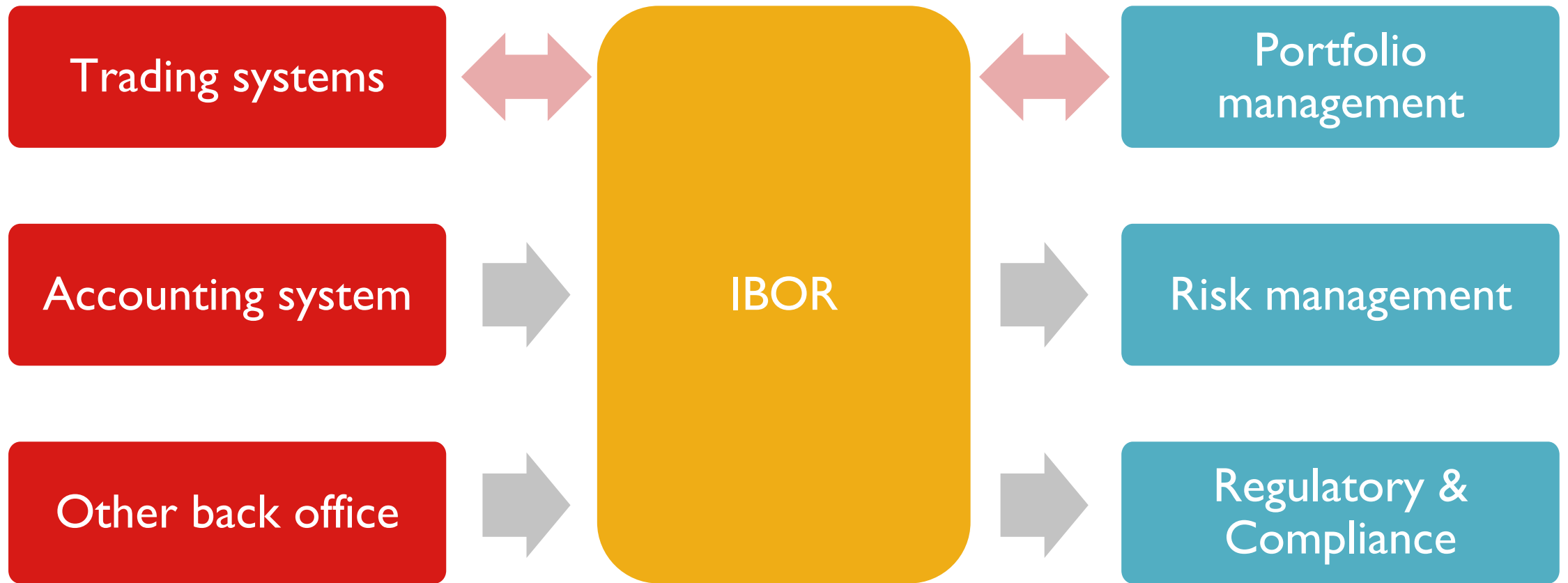
# One Size Doesn't Fit All?



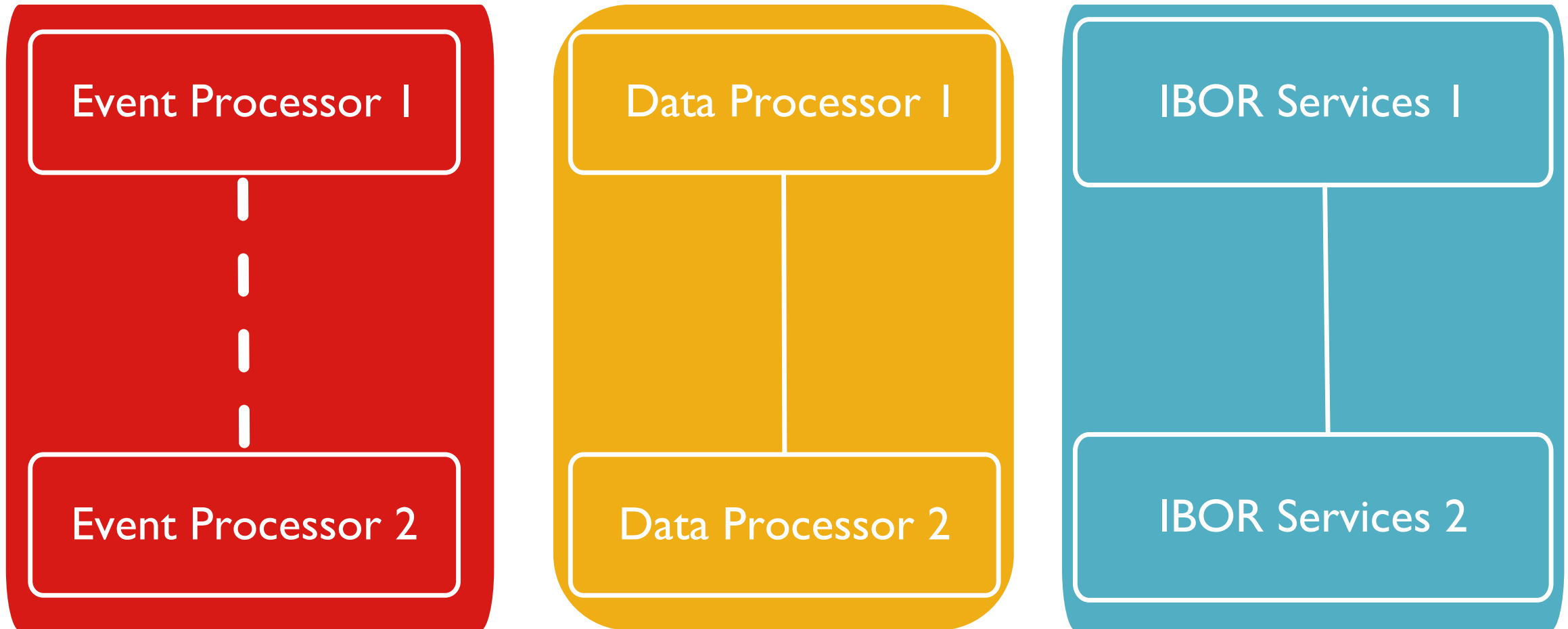
***A one size fits all database doesn't fit  
anyone.  
Amazon CTO***

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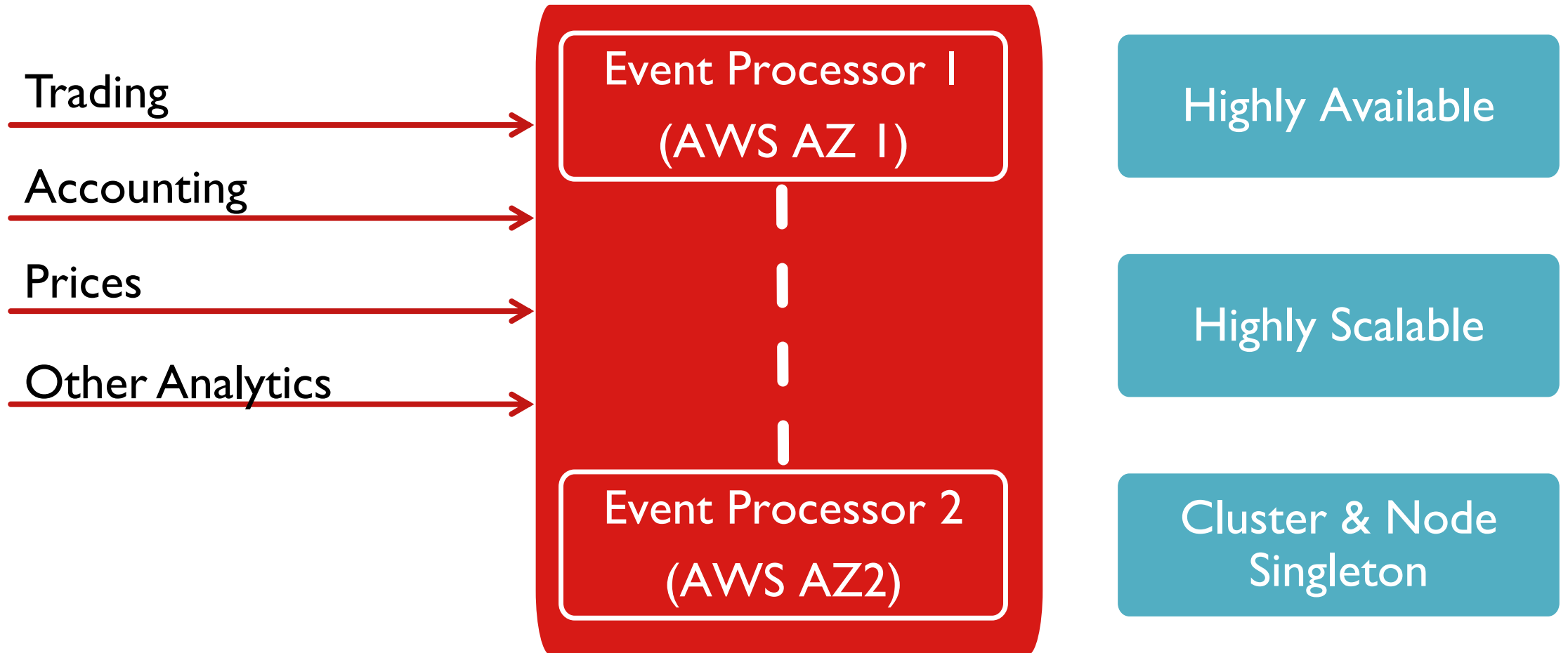
# Investment Book of Record (IBOR)



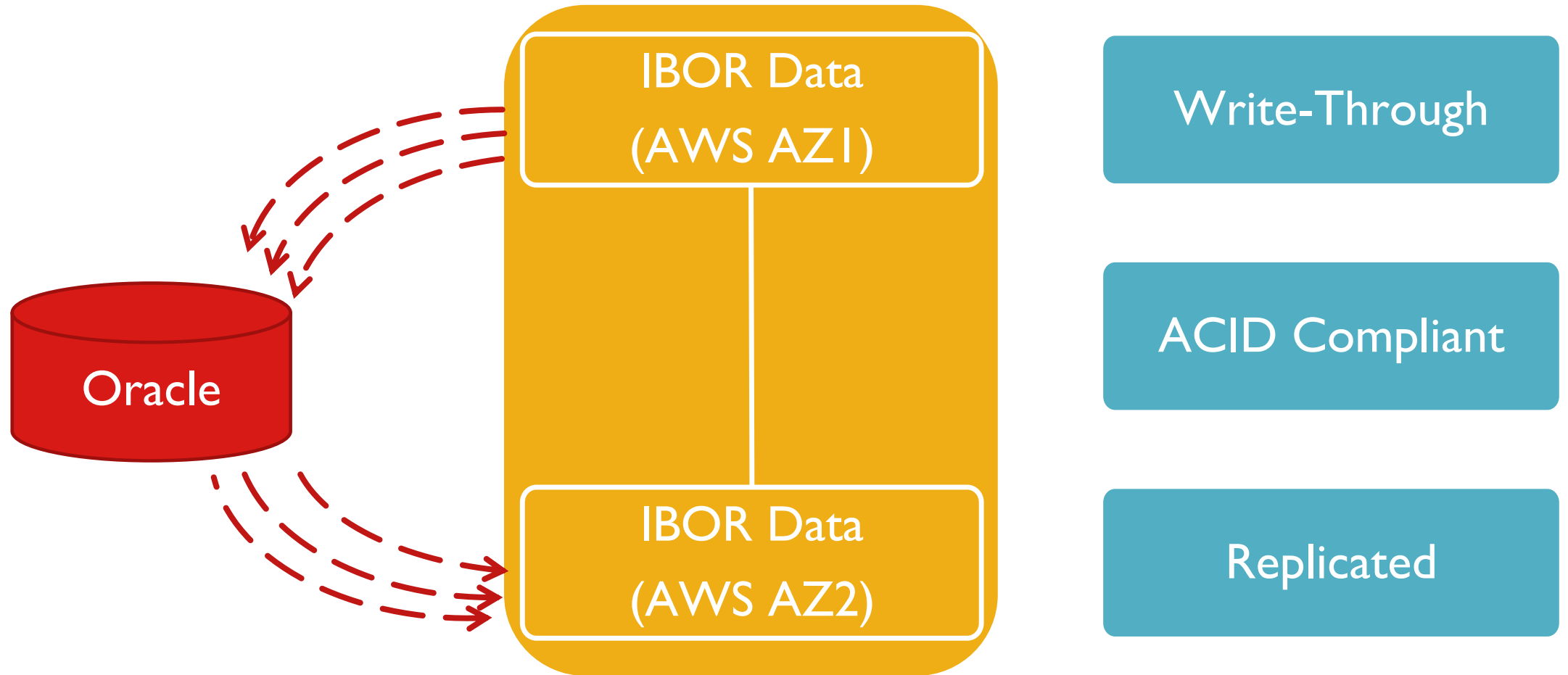
# Optimized IBOR Architecture



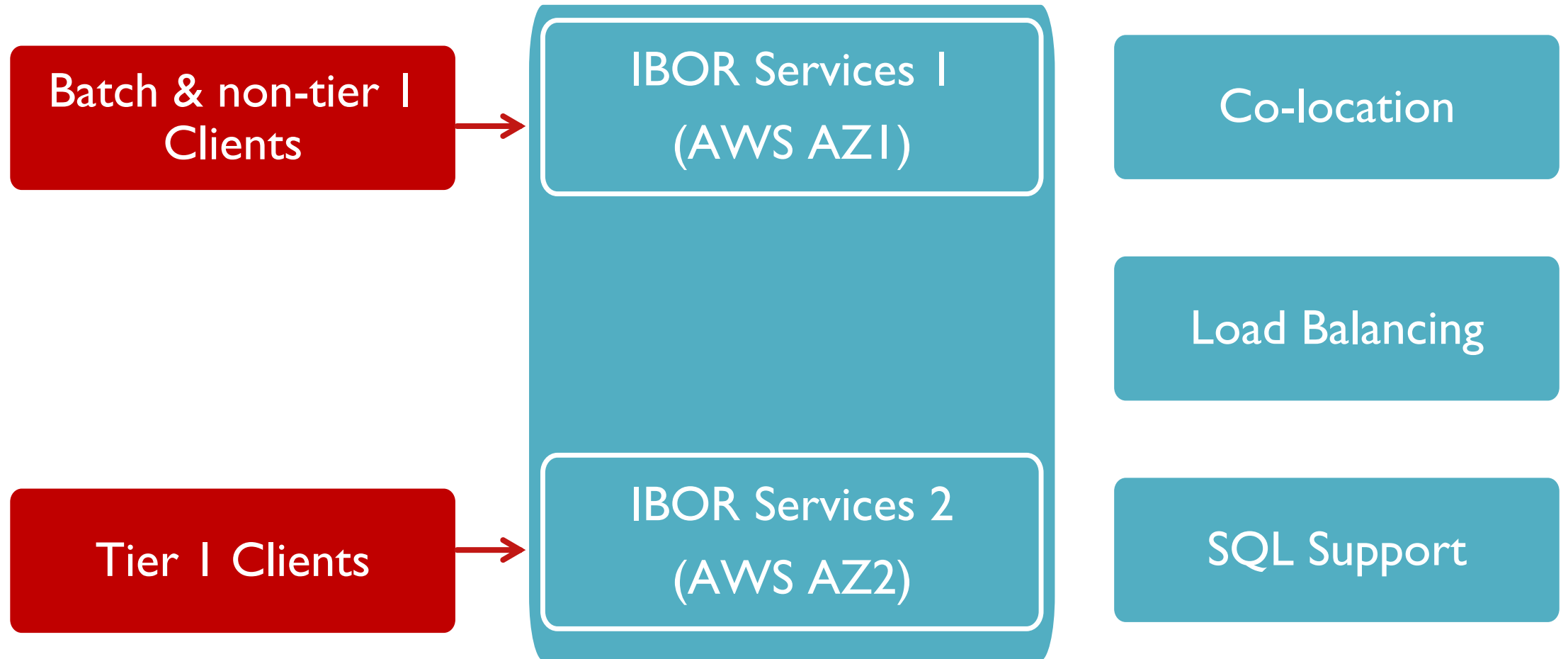
# Event Processor – Service Grid



# Data Processor – Data Grid

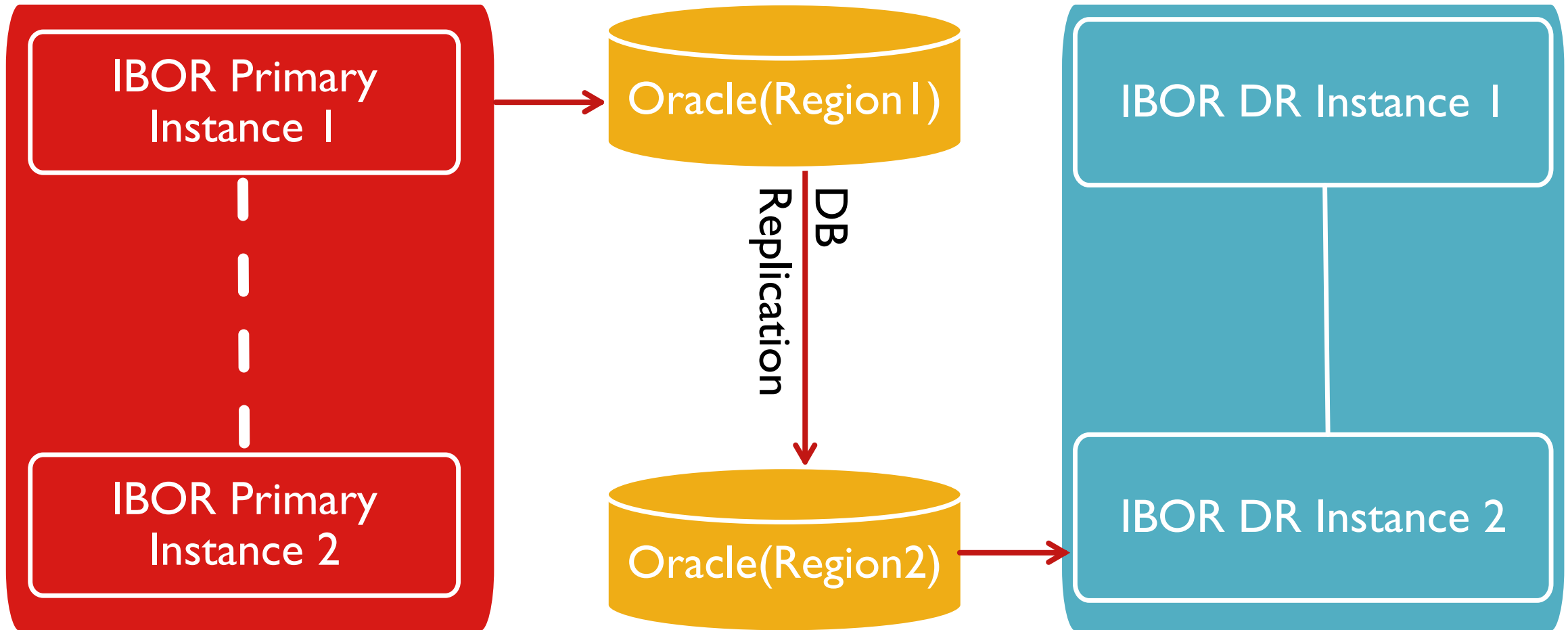


# IBOR Services – Compute Grid





# IBOR – DISASTER RECOVERY (DR)



# CONCLUSION

Highly Available

Highly Scalable

Highly Recoverable

Optimized  
IBOR  
Architecture

Replicated Caches &  
Cluster Singleton

Node Singleton  
Services

Across Regions  
Recovery

# We are hiring!

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