

SILICON VALLEY

 In-Memory  
Computing | SUMMIT  
2017

# IMPLEMENTATION OF INVESTMENT BOOK OF RECORD

USING APACHE IGNITE

RAFIQUE AWAN  
VP, WELLINGTON MANAGEMENT

# CHALLENGES FACED BY FINANCIAL FIRMS

Data volume



Scalability

More regulation



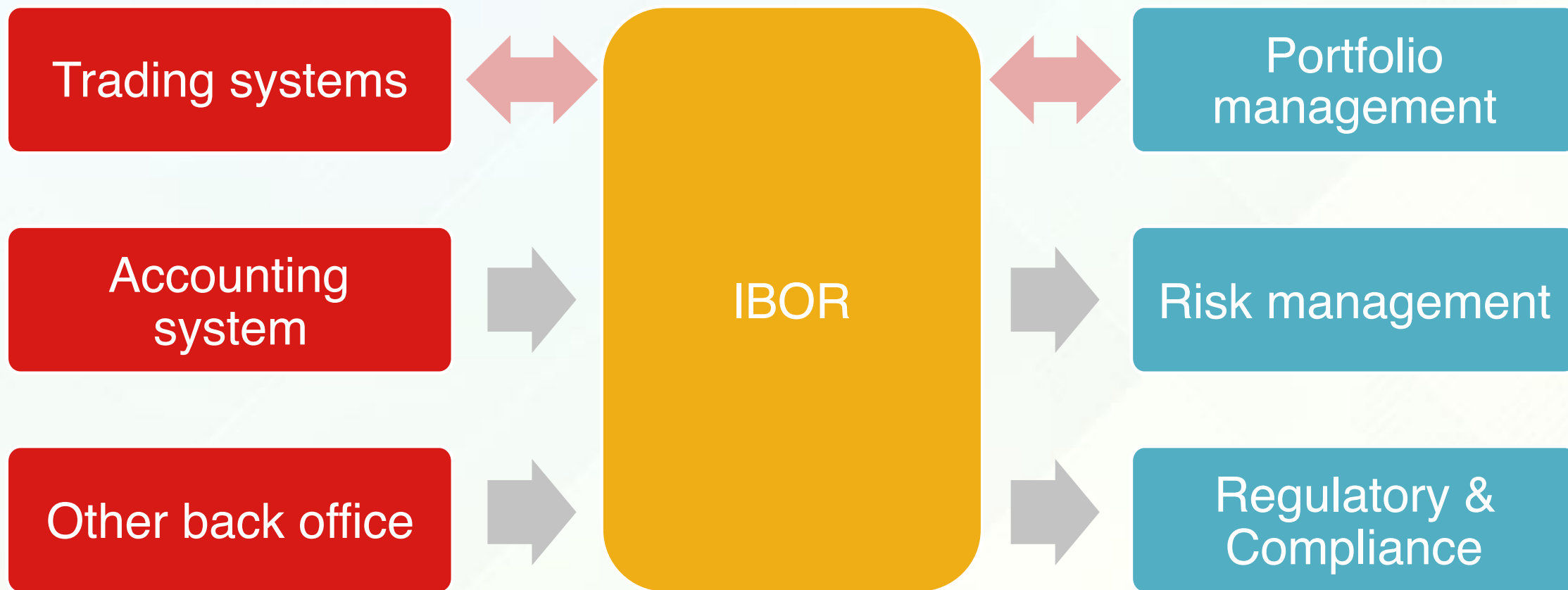
Complexity

Emerging asset classes



Time to market

# INVESTMENT BOOK OF RECORD (IBOR)



# WHY APACHE IGNITE/GRIDGAIN

Horizontally  
scalable

In-memory

Co-locate data  
and compute

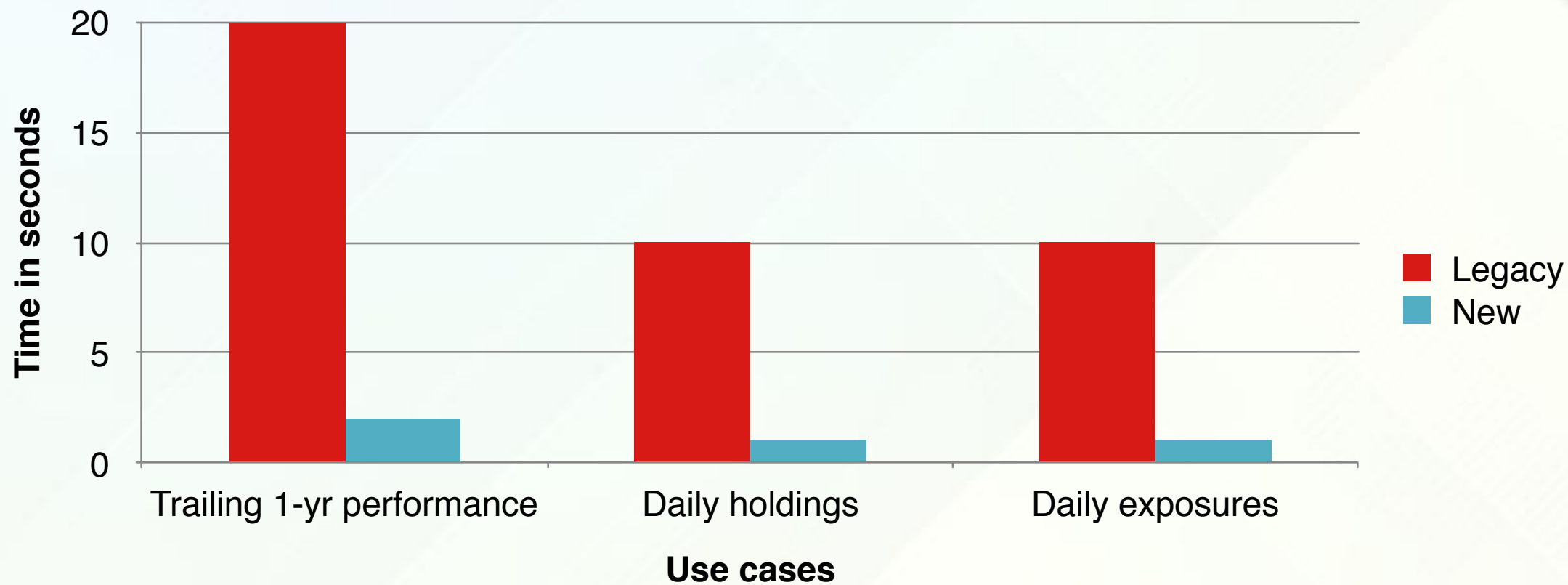
IBOR

Distributed SQL

Operational &  
analytic workflows

Consistent

# LEGACY VS IN-MEMORY BASED IBOR



# LESSON LEARNED

One size  
doesn't fit all

Memory is still  
expensive

Early engagement

IBOR

Role of Apache  
Spark

Durable memory

GridGain

# BOTTOM LINE

Maximize return

IBOR

Latest  
technology  
& innovation

“If we can provide a **better pension for a firefighter**, an **additional scholarship for a student** at a university, another **hospital bed** for an organization that’s involved in healthcare, because we’ve done a good job managing their portfolios, in our small way, we’ve been able to have a positive impact.”

Michael Boudens, Director, Global Relationship Group