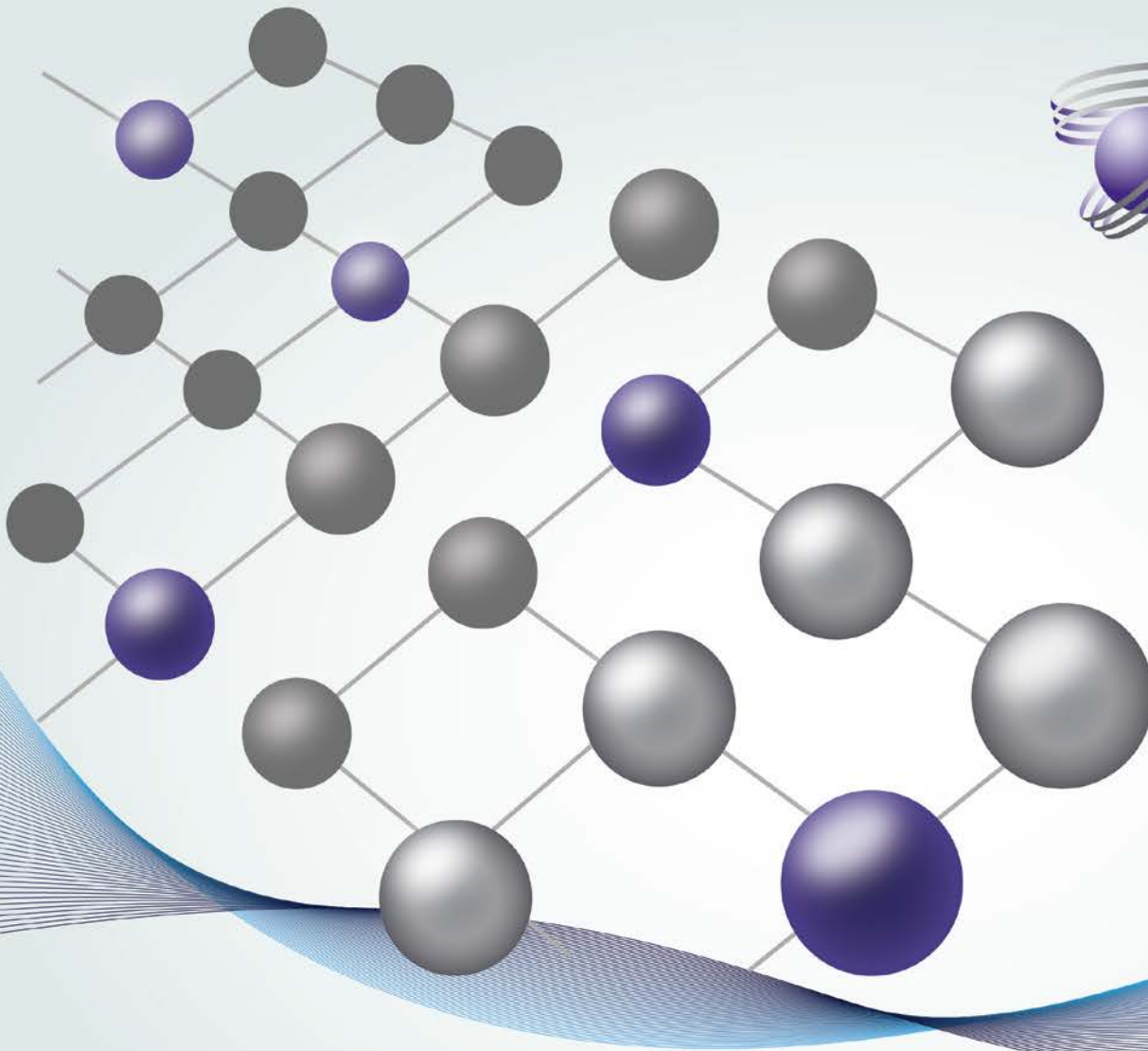




teleran®

Application Analytics for IT and Business



Visibility into Exadata Nodes Improves Utilization

Objectives

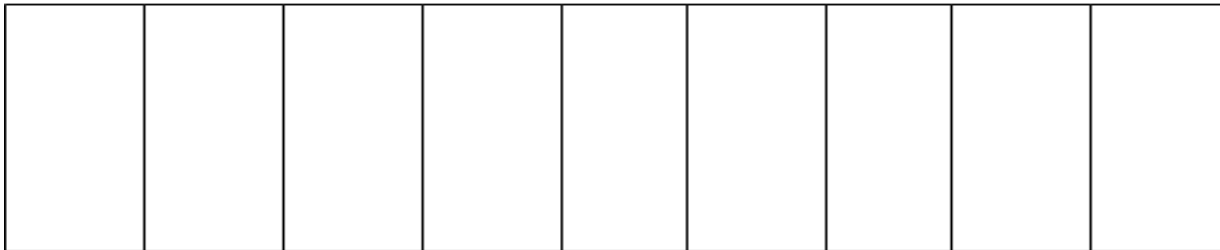
- **Improve Exadata utilization**
- **Visibility into nodes**
- **Prepare for Exadata in-memory**

Exadata Architecture

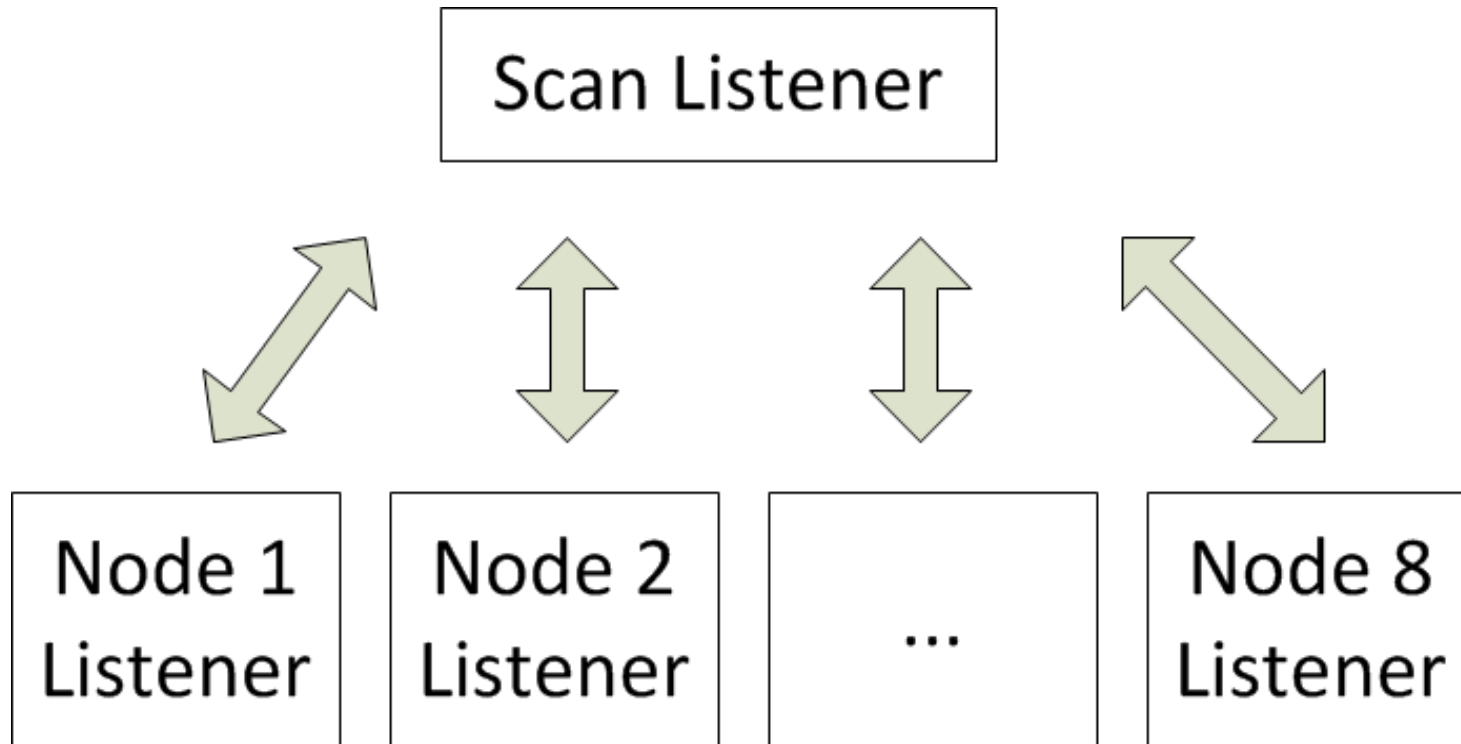
Exadata:
one platform...



...or eight nodes?



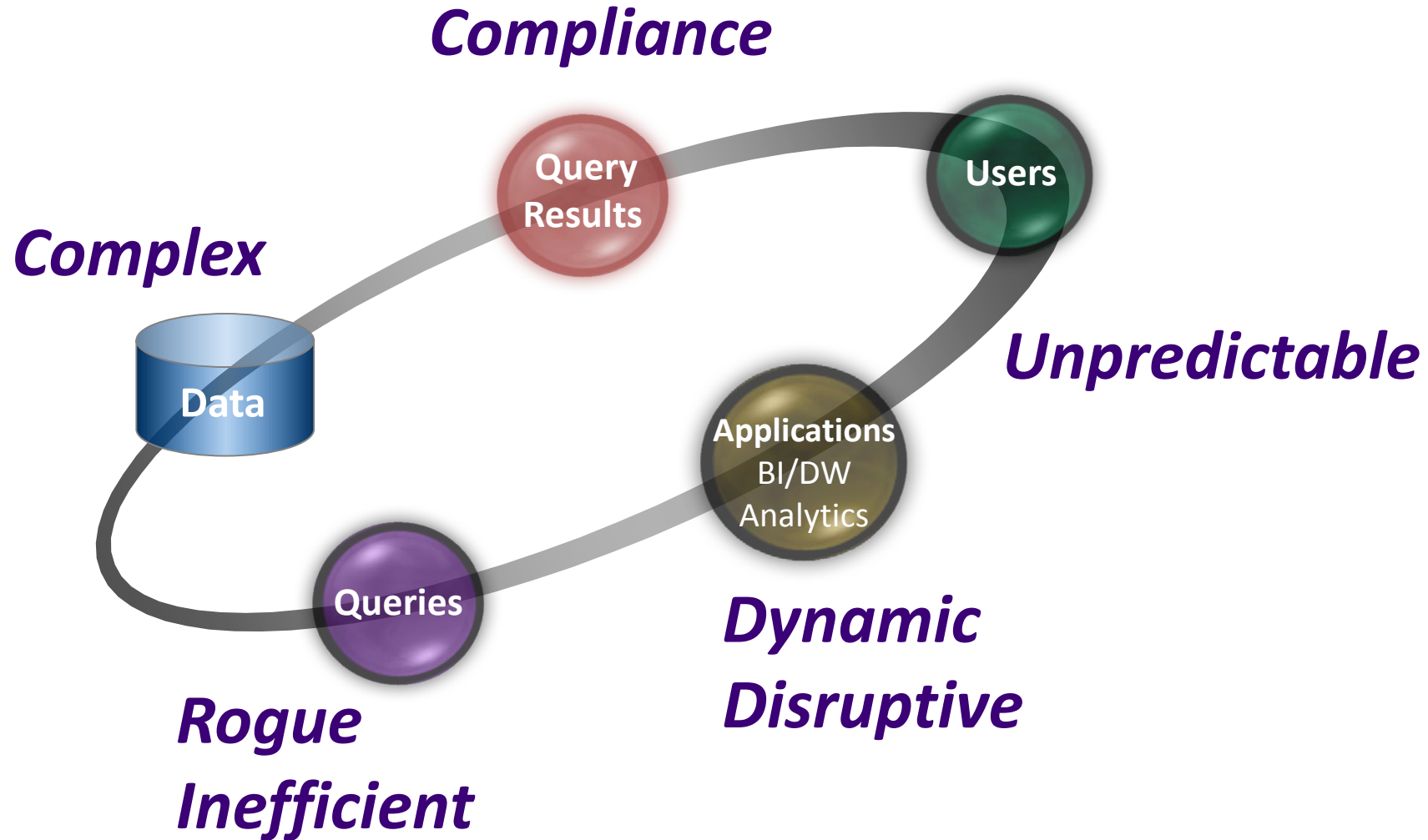
Scan Listener Architecture



Hypothesis: Visibility Needed

- **Scan listener assigns on predicted workload**
- **Analyze and tune actual workload**
- **Deeper visibility improves the ability to tune a workload**

Factors outside the database



Are your nodes balanced?

- **Balanced executions?**
- **Balanced workload?**
- **Balanced data consumption?**

Case Studies

- **FinServ (12/24 nodes) – CRM gone wild!**
- **Insurance (8 nodes) – Legacy ETL and Legacy CRS disrupt environment**
- **Manufacturer (8 nodes) – Rampant data warehouse auditor takes over**
- **Publisher (8/16 nodes) – homegrown apps connections / where is node 3?**

Framework for visibility

- **Capture database activity**
- **Aggregate activity into views**
- **Analyze**
- **Act**

Preparing for in-memory

- **What data objects are used?**
- **When?**
- **How frequently?**

Visibility needed to manage

- **Visibility by is critical**
- **Activities occur that scan listener does not understand**
- **Estimates and actuals do vary**

About the speaker

- **30+ years in IT**
- **Focused on DW, BI, Big Data, 'data science of operational metadata'**
- **Consults with many F500 Exadata users**

About Teleran

Provide visibility, through analytics, to deliver business value in data-intensive environments

- **Software & services company**
- **Focus data-intensive landscapes**
- **5th generation products**
- **Patented technologies**

Selected Customers

Banking



Financial Services



Healthcare



New Jersey Medicaid

Government



THE OFFICIAL WEB SITE FOR
THE STATE OF NEW JERSEY



Other



Education



Contacts

Kevin Courtney, VP Business Solutions

Phone (973) 439-1820, ext. 214

E-mail kcourtney@teleran.com

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