



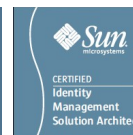
# Healthcare eGate/JCAPS User Group Event

## eGate / JCAPS Migration Best Practices

Nels Lundquist, **Managing Partner – LCN Technology, Inc.**

Regis Kuzel, **VP of Business Development, Sales – LCN Technology, Inc.**

- ✓ Founded in 2002
- ✓ Trusted Sun/Oracle Software Elite Partner
- ✓ We have a Healthcare subject matter experts and customers nationwide
- ✓ We have SOA Certified Architects/Consultants in Oracle Sun Java CAPS and soon for Oracle SOA Suite/Fusion/Middleware
- ✓ We have Certified Identity Manager Architects/Consultants in both Oracle's Identity Manager (OIM) and Sun Identity Manager (IdM)
- ✓ We have Certified Oracle Database/RAC Architects/Consultants
- ✓ We have Certified Oracle Sun Hardware Architects
- ✓ We have Java Experts too





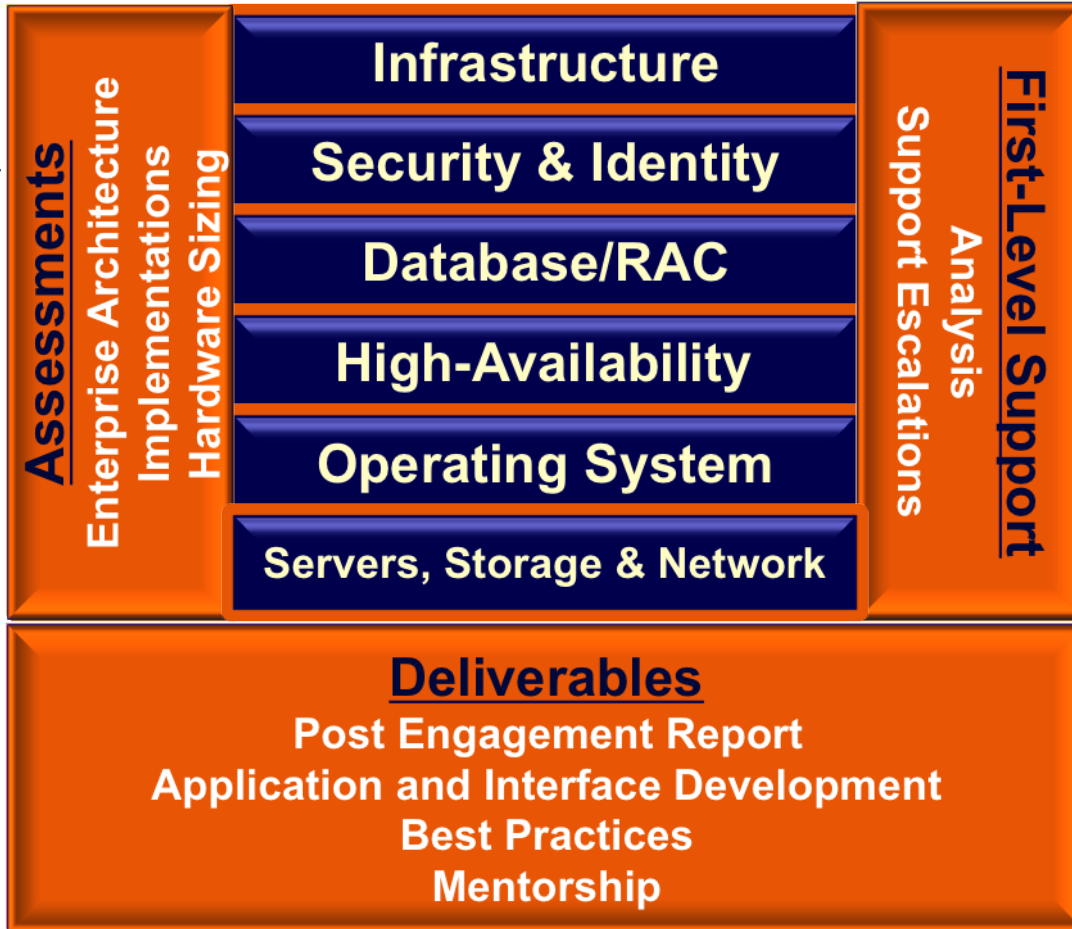
# Mission Statement:

**LCN** is committed to our customer's success by offering, high quality expertise in the products we represent, implement and support. We differentiate ourselves by providing industry specific experience and knowledge of all the latest technologies. It is the *quality we deliver that we feel ensures our customer's success.*

# About **LCN** Professional Services:



**Certified**  
**10+ Years Exp**  
**Senior Architects**



**ORACLE**

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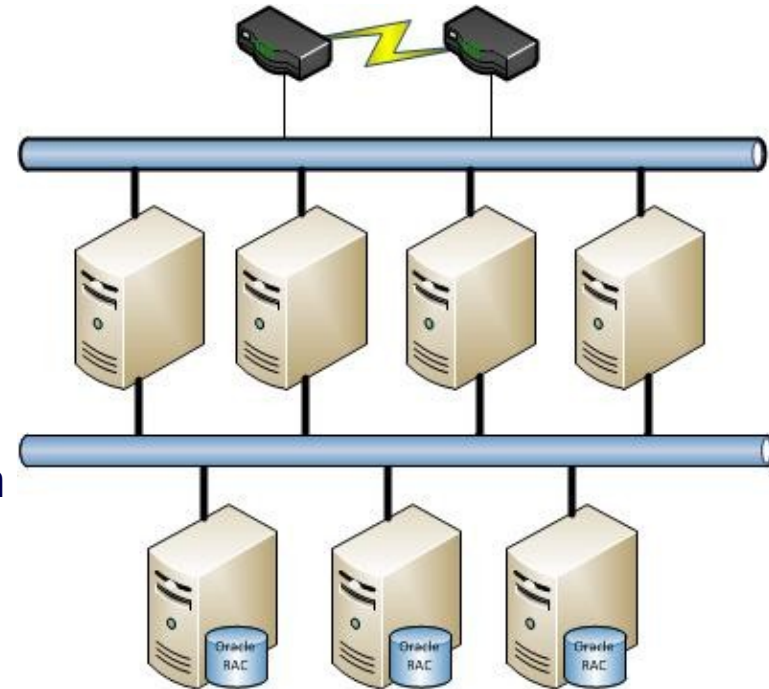


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# Customer Use Case:

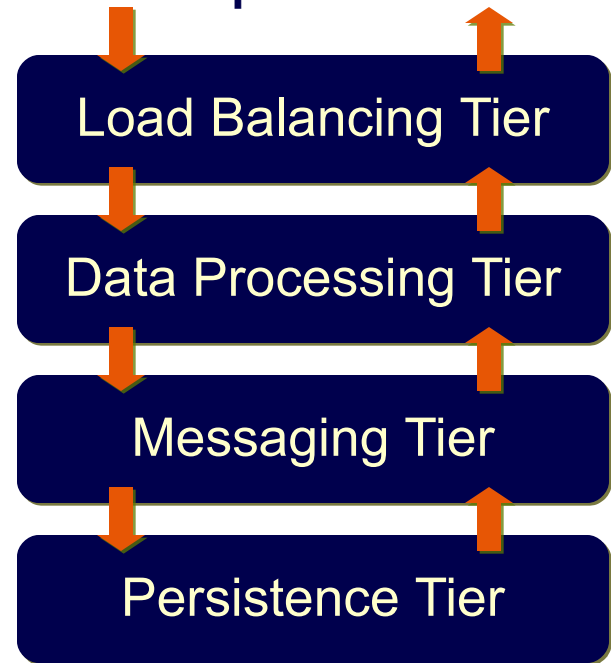
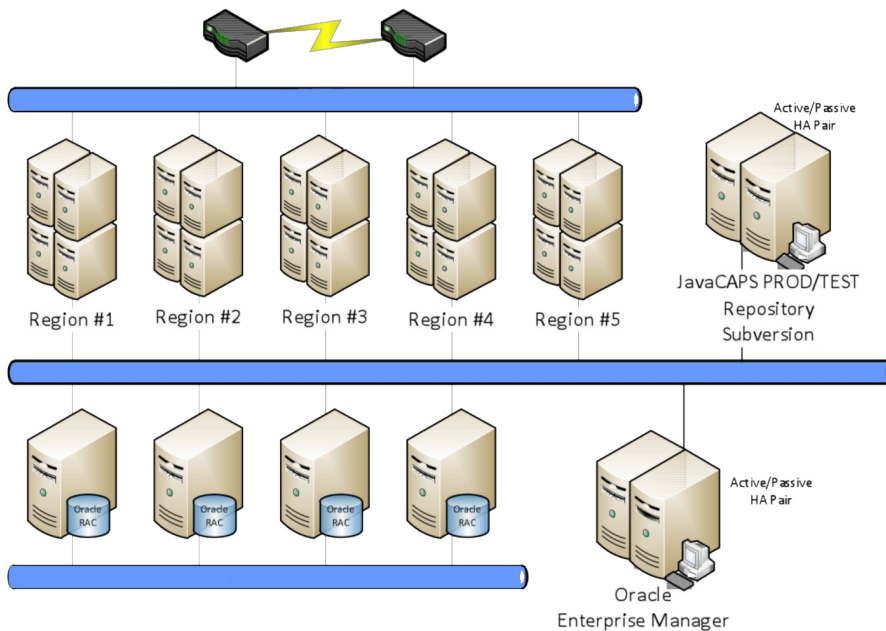
## eGate Conversion to Oracle SOA Suite

- ❑ Migrating from eGate/SRE to Oracle SOA Suite 11g
- ❑ High Availability Architecture - 99.999%:
  - ❑ Load Balancers.
  - ❑ SOA Suite 11g running clustered Weblogic Application Servers (WLS).
  - ❑ Oracle Real Application Clusters (RAC) w/Grid Infrastructure, Oracle EE for Persistence.
  - ❑ Oracle Enterprise Manager w/Grid Control.
- ❑ Shifting to Oracle Enterprise Linux platform from IBM AIX platform.
  - ❑ Lower Total-Cost-Ownership (TCO).
  - ❑ Oracle has tested the kernel (RHat) more than anyone.
  - ❑ Oracle tested configurations.
  - ❑ "One-Throat-To-Choke".



# Customer Use Case: Regional eHR Initiative

- ❑ Migrating from JCAPS 5.1.3 to JCAPS 6.3 and implementing a “Near Zero Downtime Architecture - 99.999% up-time”
  - ❑ Load Balancers.
  - ❑ Oracle Real Application Clusters (RAC) w/Grid Infrastructure, Oracle EE for Persistence for JavaMQ HA Clusters.
  - ❑ Oracle Enterprise Manager w/Grid Control.
- ❑ Shifting to Oracle Enterprise Linux platform from IBM AIX platform



# Customer Use Case:

## Java CAPS 6.2 Production Deployments

- ❑ **Conversion from eGate SRE to Java CAPS 6.2**
  - ❑ **Goal:** get off “*10 year old*” technology and modernize.
  - ❑ Complete re-write, re-architecture, re-design.
  - ❑ Leveraging both Classic Repository and JBI.
  - ❑ Started with ADT Outbound interfaces first.
  - ❑ Epic Acute Go-Live for ADT Inbound interfaces last.
  - ❑ Use a TCP/IP HL7 client/server as “Bridge” for SRE interoperability.
- ❑ **Custom Application Development**
  - ❑ **Custom Monitoring and Alert Infrastructure to Enterprise Monitors (Tivoli and CAPS Enterprise Manager)**
    - ❑ JMX Beans accessed in JCD generates SNMP traps to Tivoli and alerts to CAPS Enterprise Manager.
  - ❑ **Enterprise Batch Scheduler of Secure File Transfers**
    - ❑ Batch Scheduler is written in Classic and leverages built-in CAPS scheduler eWay.
    - ❑ FTP, JMS, DB Binding Components via CAPS JBI.
    - ❑ Leveraging BPM/BPEL 2.0 to orchestrate FTP activities and web-services triggered by Batch Scheduler’s published JMS events.

# Top 3 Lessons Learned:

1

## High Availability is no longer a luxury

Healthcare initiatives like EHR, EMR, IHE, NHIN, HITECH, and Meaningful Use are requiring that your integration solution be highly available.

2

## Sun Enterprise Manager is Not The Only Monitor Around

Enable JMX monitoring in the domain configuration and use JConsole or a custom developed console / Alerts. Even Oracle's Enterprise Manager is soon an option!

3

## Instability Is Not Always Product Related

Out-of-the-box domain configurations are not for production deployments. Tune the settings for memory and thread pools ensures the best performance/stability.

# Questions:



## Java CAPS infused with Fusion



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