



# DB2 pureScale

## Unlimited Capacity, Transparent to Applications

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# IT Needs to Adapt in Hours...Not Months



- **Handling Change is a Competitive Advantage**
- **Dynamic Capacity is not the Exception**
  - Over-provisioning to handle critical business spikes is inefficient
  - IT must respond to changing capacity demand in days, not months

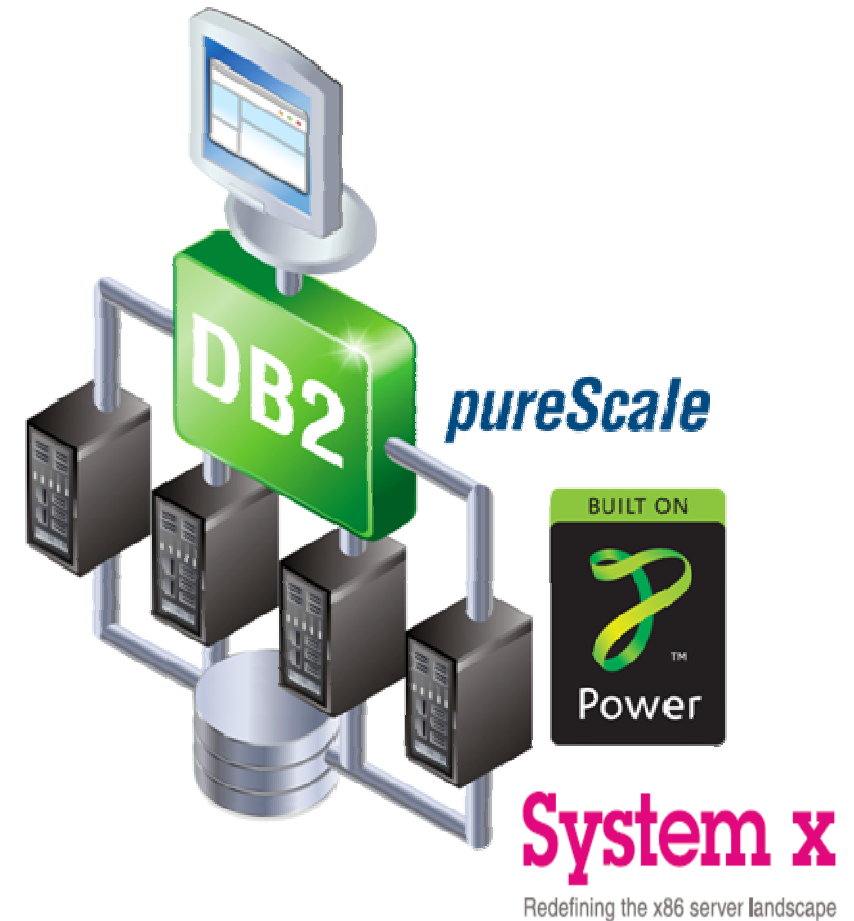
*Businesses need to be able grow their infrastructure without adding risk*

- **Application Changes are Expensive**
  - Changes to handle more workload volume can be costly and risky
  - Developers rarely design with scaling in mind
  - Adding capacity should be stress free



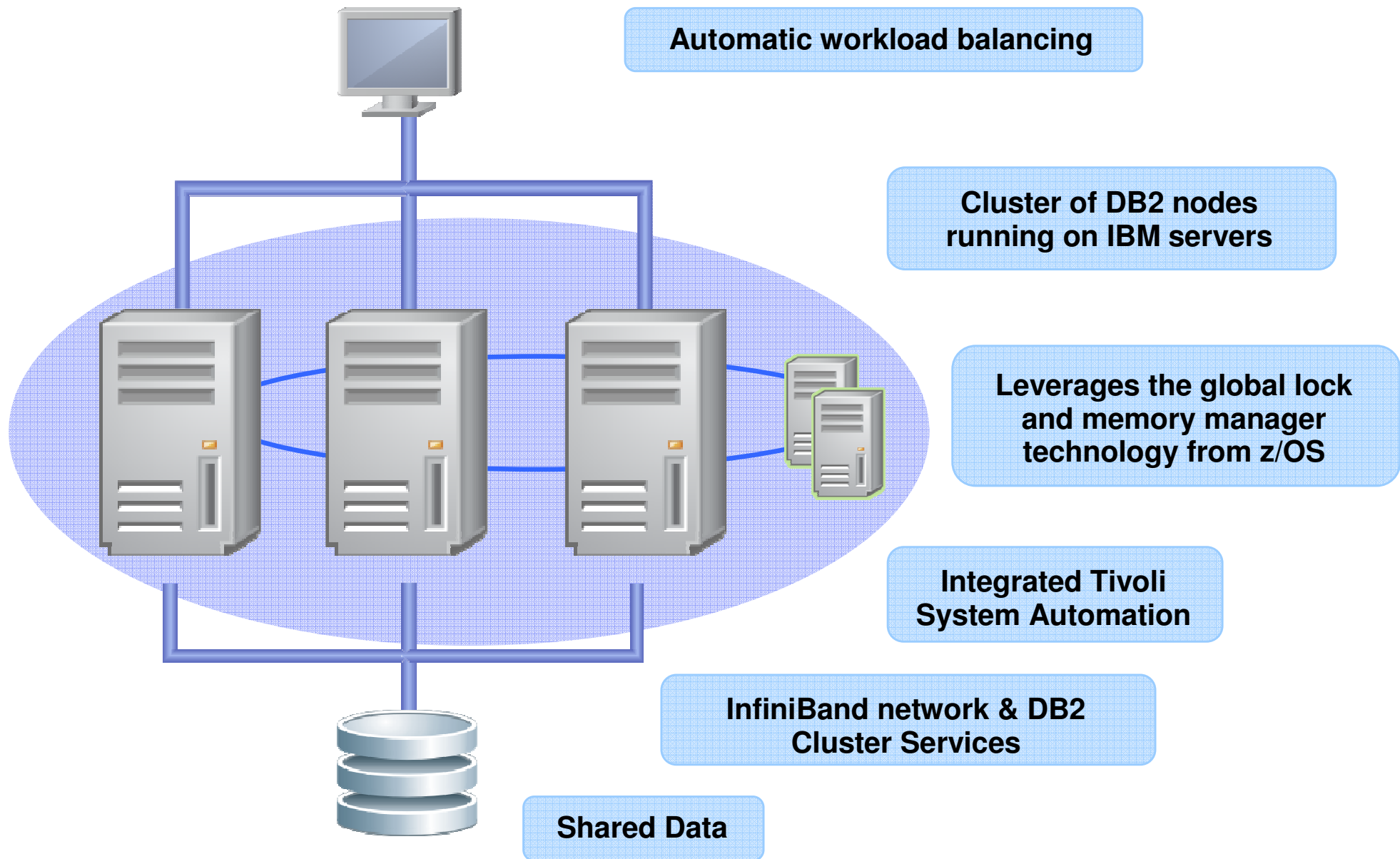
# DB2 pureScale

- **Unlimited Capacity**
  - Buy only what you need, add capacity as your needs grow
- **Application Transparency**
  - Avoid the risk and cost of application changes
- **Continuous Availability**
  - Deliver uninterrupted access to your data with consistent performance



Learning from the undisputed Gold Standard... System z

# DB2 pureScale Architecture

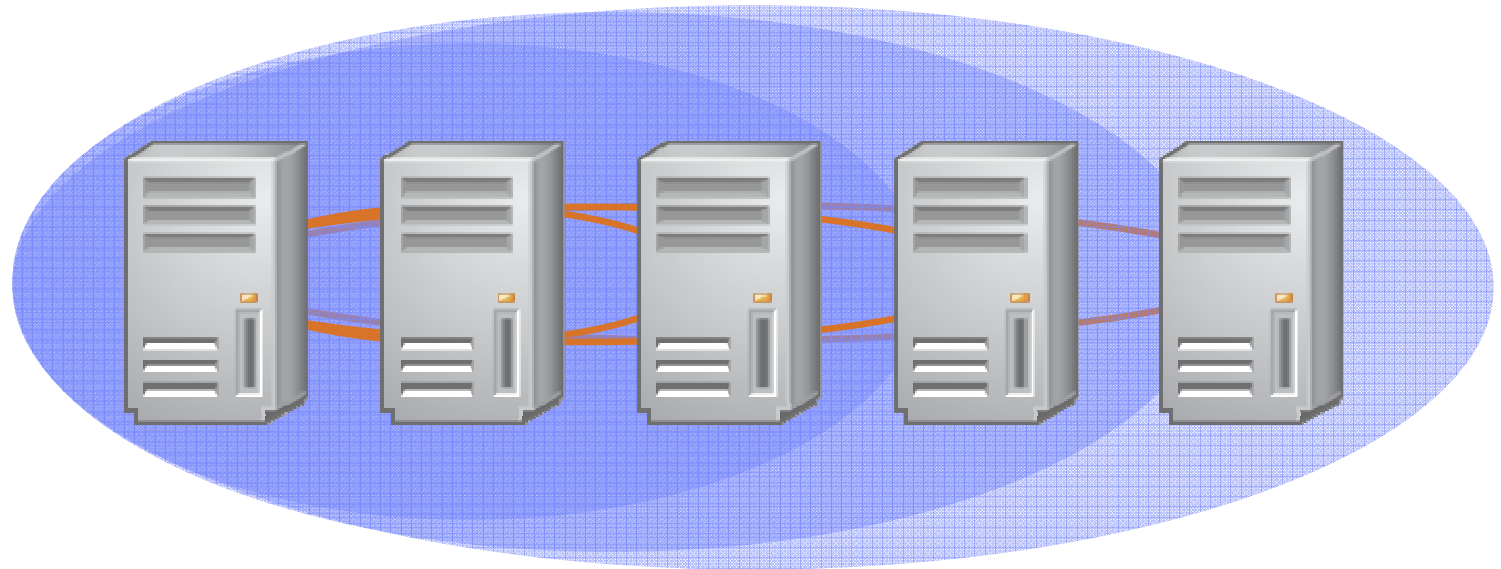


# Unlimited Capacity

- DB2 pureScale has been designed to grow to whatever capacity your business requires
- Flexible licensing designed for minimizing costs of peak times
- Only pay for additional capacity when you use it even if for only a single day

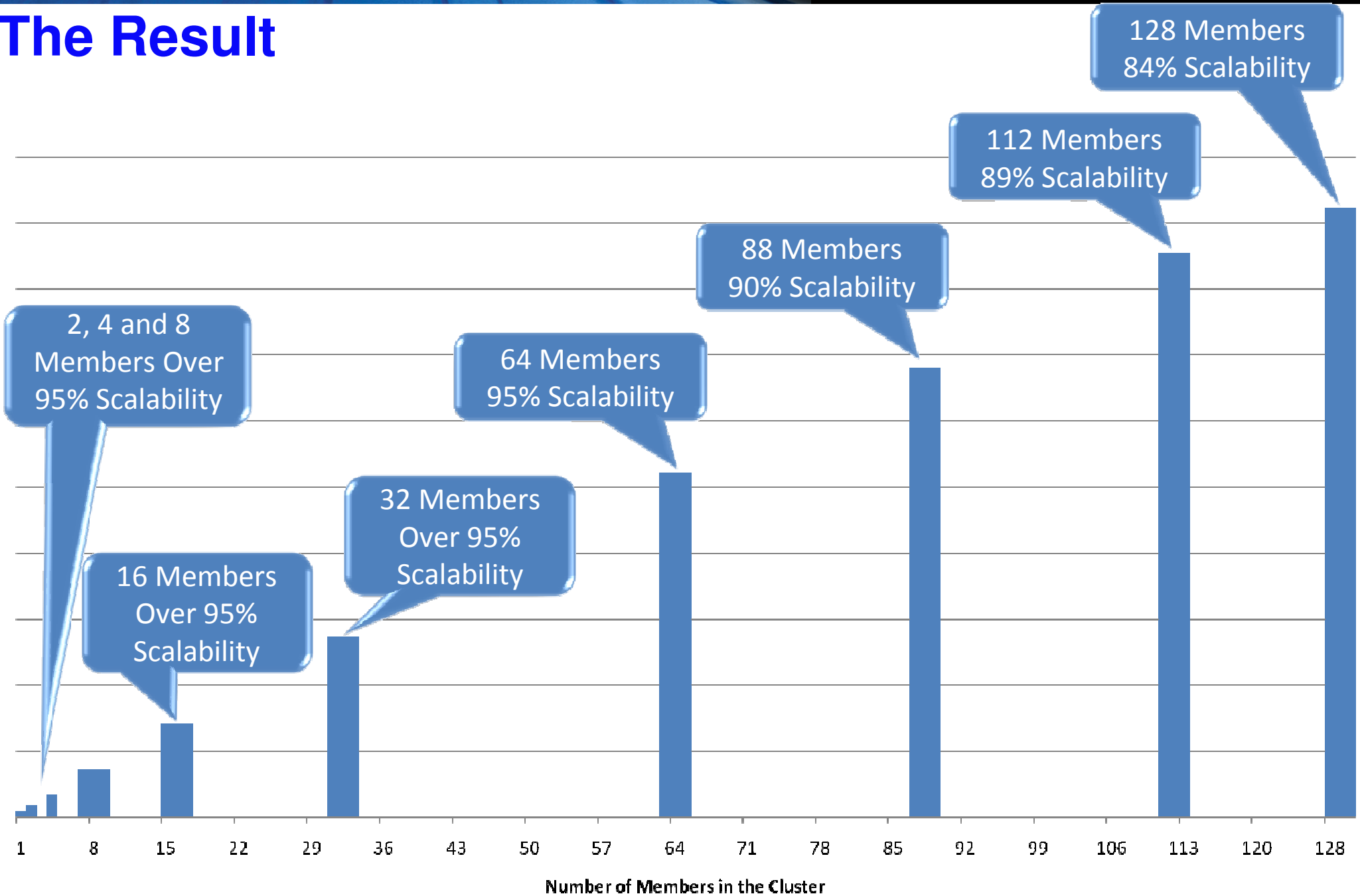
## **Solution:**

Use DB2 pureScale and add another server for those two days, and only pay sw license fees for the days you use it.



Over 100+ node architecture validation has been run by IBM

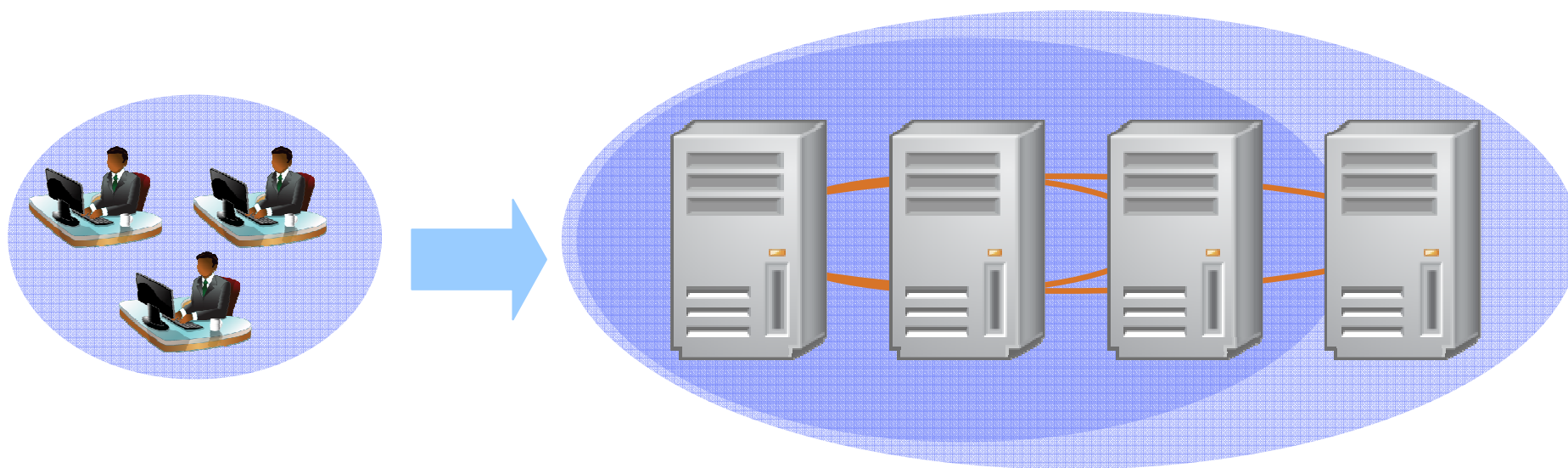
# The Result



# Application Transparency

## Take advantage of extra capacity instantly

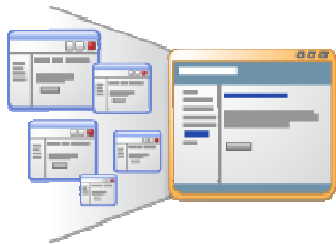
- No need to modify your application code
- No need to tune your database infrastructure



**Your DBAs can add capacity without re-tuning or re-testing**

**Your developers don't even need to know more nodes are being added**

# DB2 pureScale is Easy to Deploy



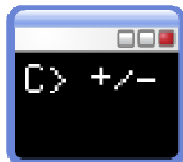
Single installation for all components



Monitoring integrated into  
Optim tools



Single installation for fixpaks  
& updates




Simple commands to add  
and remove members



# Moving Your Applications to DB2 is Easy

## Break Free From High Database Costs



**Proven  
Results**

- Easily move your applications from Oracle database to DB2
- Leverage existing skills and people without re-training
- Applications moved to DB2 run quickly with full native execution
- Customers are no longer locked into Oracle RAC
- Integrated, cross-platform tools supporting Oracle database as well
- Customers and partners have moved in only days

# Continuous Availability

- **Protect from infrastructure outages**
  - Architected for no single point of failure

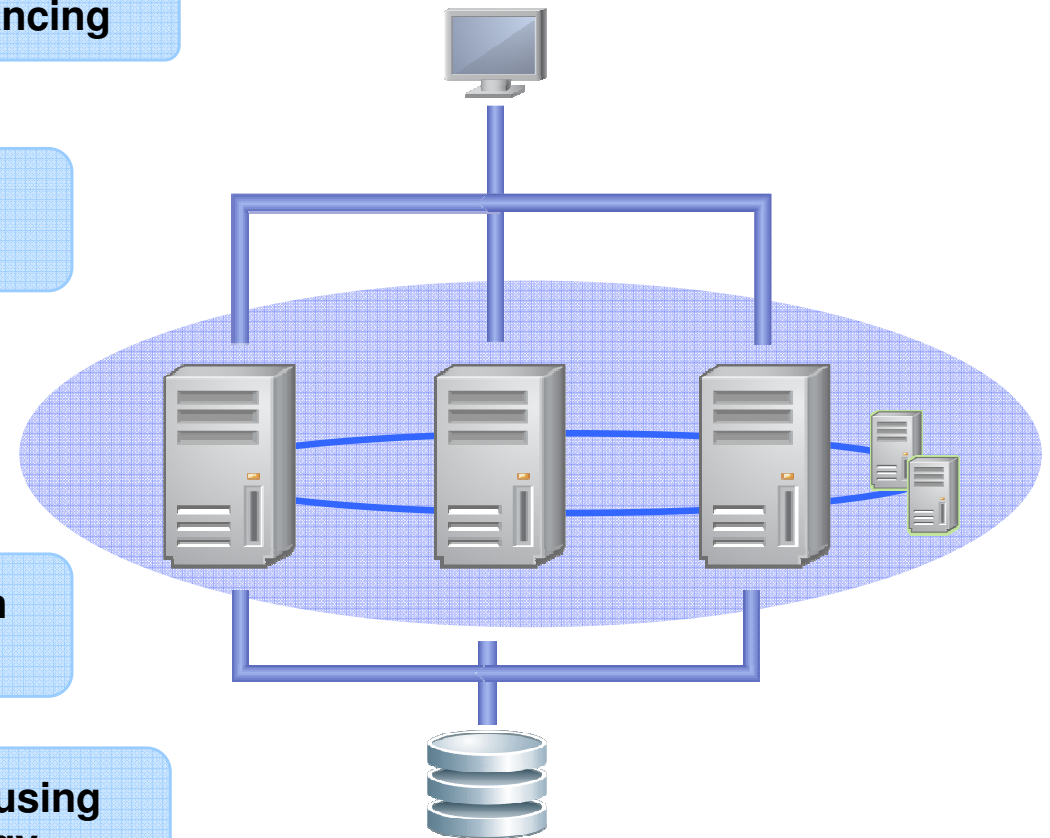
Automatic workload balancing

Duplexed secondary global lock and memory manager

Tivoli System Automation automatically handles all component failures

DB2 pureScale stays up even with multiple node failures

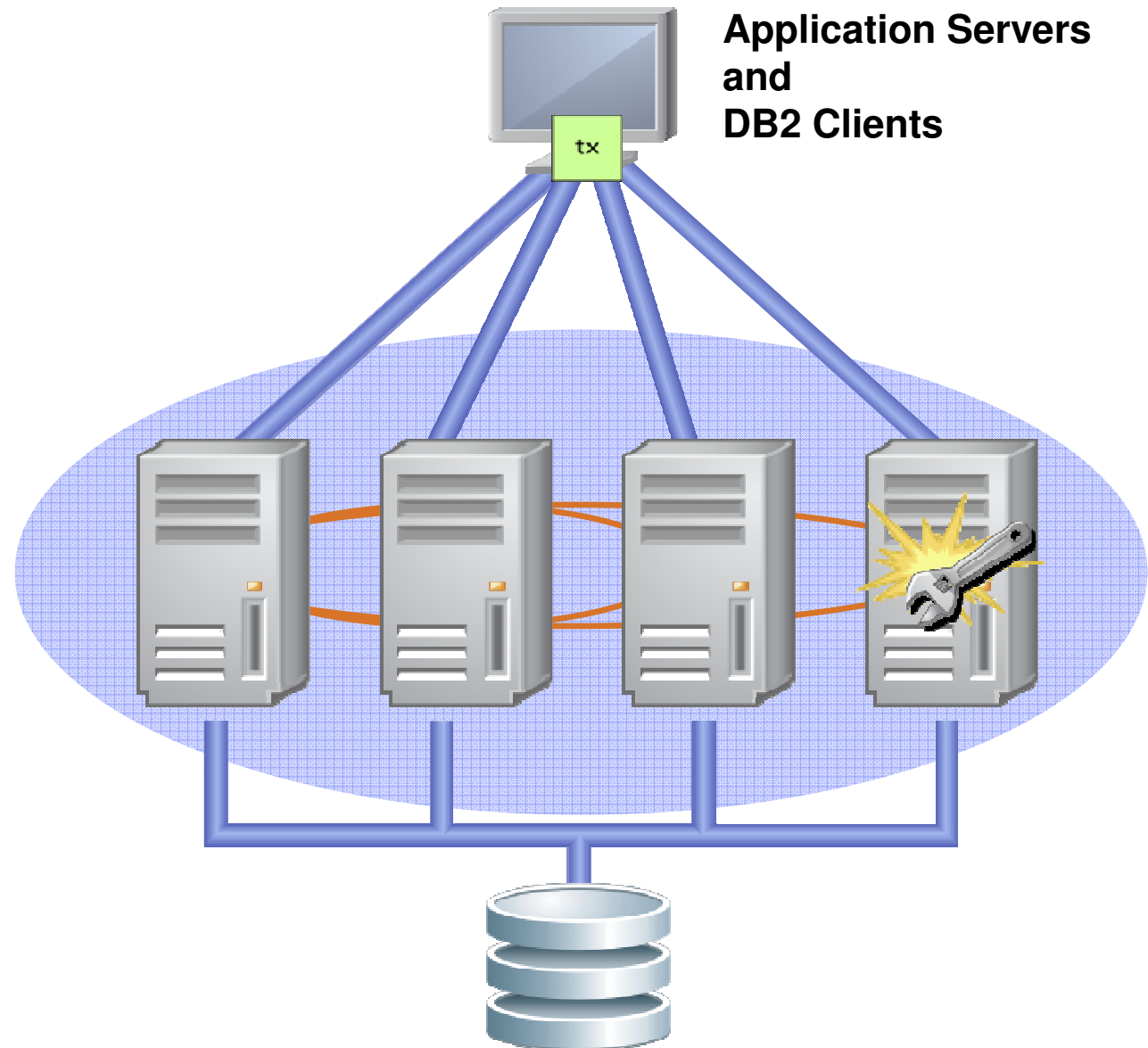
Shared disk failure handled using disk replication technology



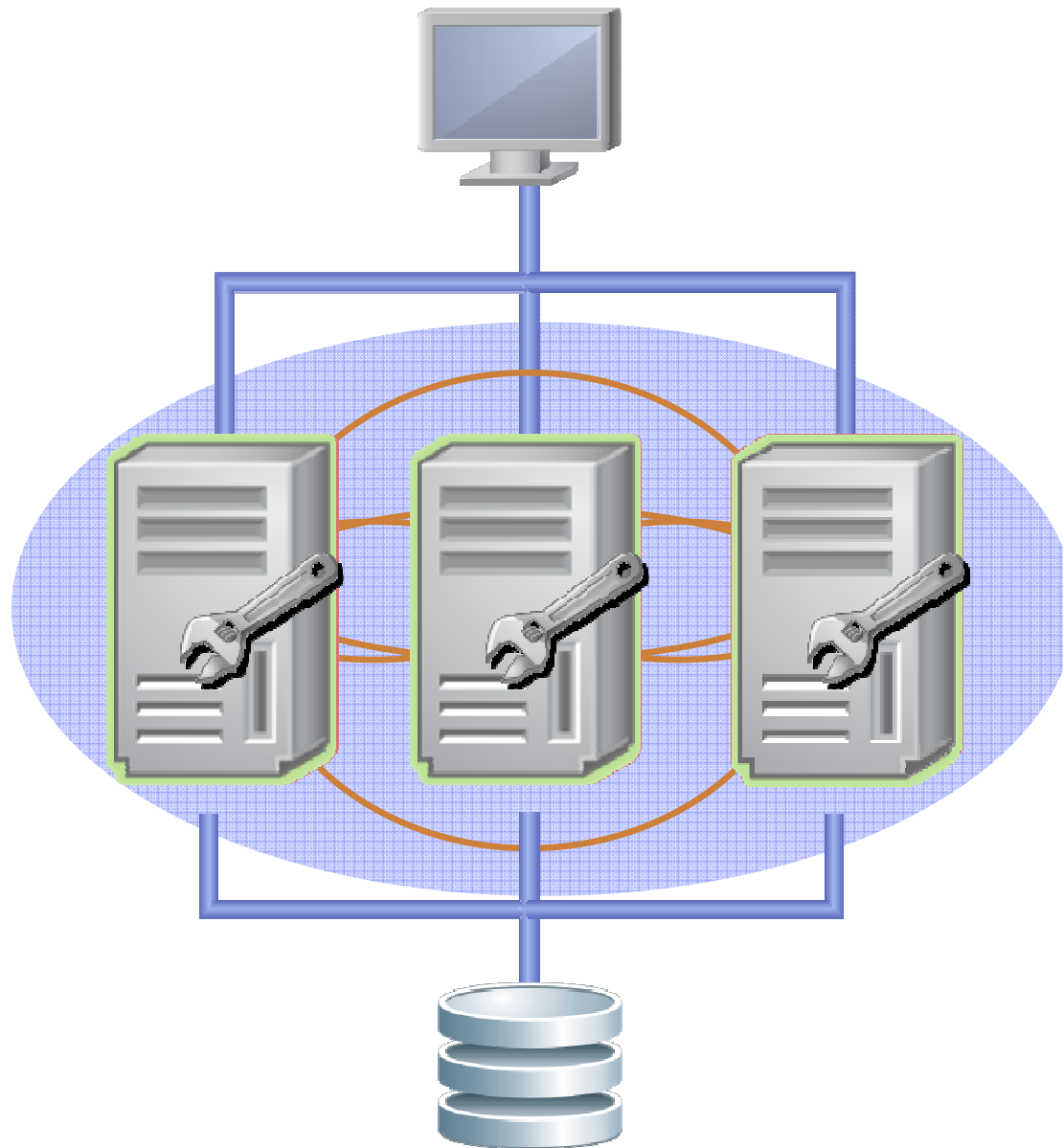
# Recover Instantaneously From Node Failure

## ■ Protect from infrastructure related outages

- Redistribute workload to surviving nodes immediately
- Completely redundant architecture
- Recover in-flight transactions on failing node in as little as 15 seconds including detection of the problem



# Minimize the Impact of Planned Outages



- **Keep your system up**
  - During OS fixes
  - HW updates
  - Administration

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Learn how DB2 pureScale can help you reduce the risk and cost of meeting changing business demands



# Thank You

Questions?  
contact Csaba Juhász,  
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