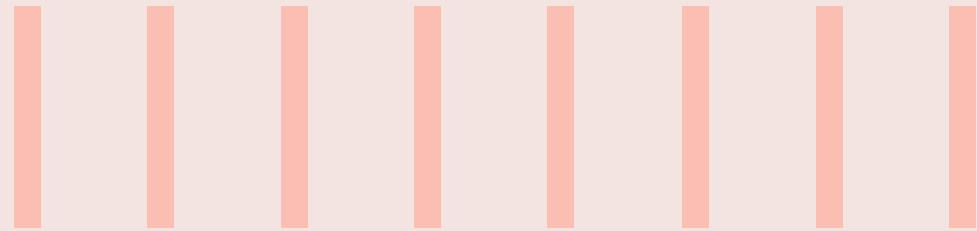# MODERNIZING UNDERPERFORMING LEGACY APPLICATIONS WITH ORACLE CLOUD INFRASTRUCTURE

About the client

LKQ Corporation is a leading provider of alternative and specialty parts for automobiles and other vehicles. With operations in North America, Europe and Taiwan, it offers customers a broad range of replacement systems, components, equipment, and parts to repair and accessorize automobiles, trucks, and recreational and performance vehicles.
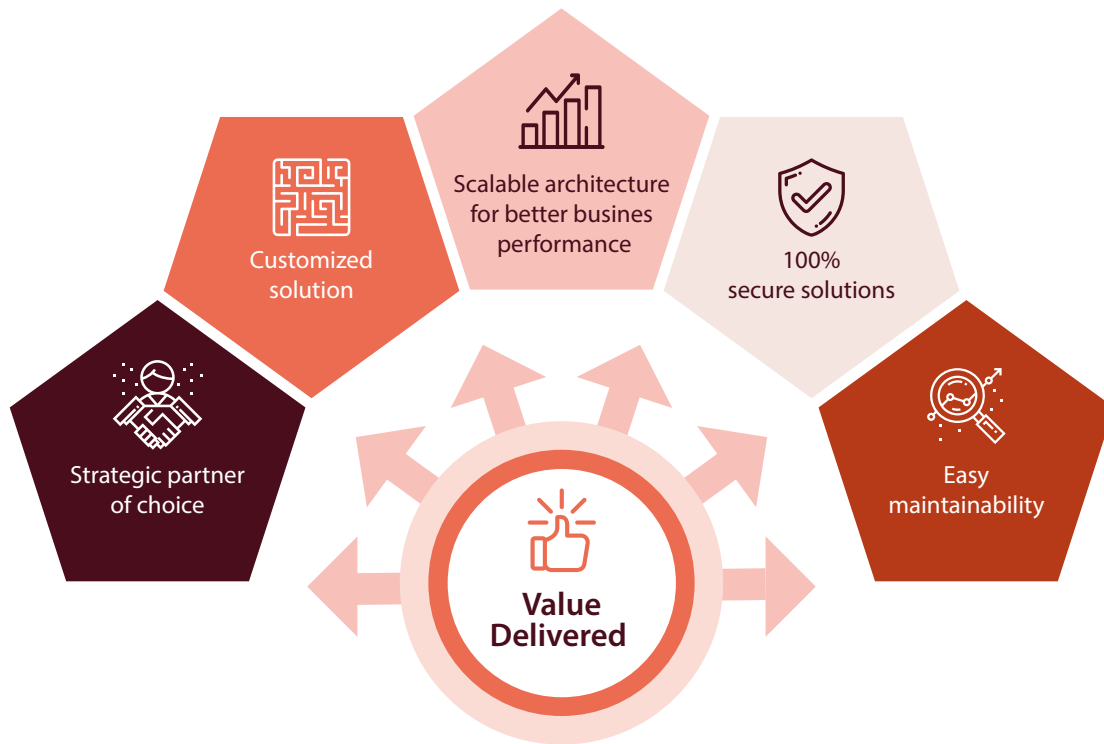
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Business Imperatives

Over the years, LKQ's legacy infrastructure had become limiting due to increased data volume and aging Oracle Database Appliance (ODA) servers. LKQ North America wanted to modernize their finance infrastructure for scalability, elasticity, reliability, and performance in order to adapt to future business needs.

They engaged with Infosys to evaluate multiple options and provide a futuristic solution. The driving criteria was to improve overall performance by:

- Introducing new technologies and embracing new processes so businesses can deliver value more quickly

- Reducing environment provisioning times

- Eliminating configuration drift

- Enabling global reach

- Increasing infrastructure utilization

- Lowering total cost of ownership (TCO)

Strategic partner of choice

Infosys helped LKQ make the right decision by providing a robust and scalable Oracle Cloud Infrastructure (OCI) solution. With our expertise in lifting and shifting workloads to OCI, we ensured an effective and smooth migration for the client within a strict 16-week timeline with near zero downtime and within budget. This was achieved by strictly adhering to tight schedules throughout the project.

Customized solution

Infosys recommended Oracle IaaS and Exadata Cloud for better scalability, cost effectiveness and, most importantly, fitment with the client's application landscape. Infosys provided the broad assessment, target environment design, server sizing, and build and plan to migrate Oracle applications to Oracle Cloud without impacting end users and the business.

Scalable architecture for better business performance

By using the OCI solution and robust architecture, Infosys provided better security, scalability and throughput for supporting strategic LKQ projects and business integration. This helped improve critical job performance by 50-60%. It also improved month-end jobs by an average of 60%. The OCI solution also offered high availability architecture and assured business continuity by providing an effective disaster recovery solution.
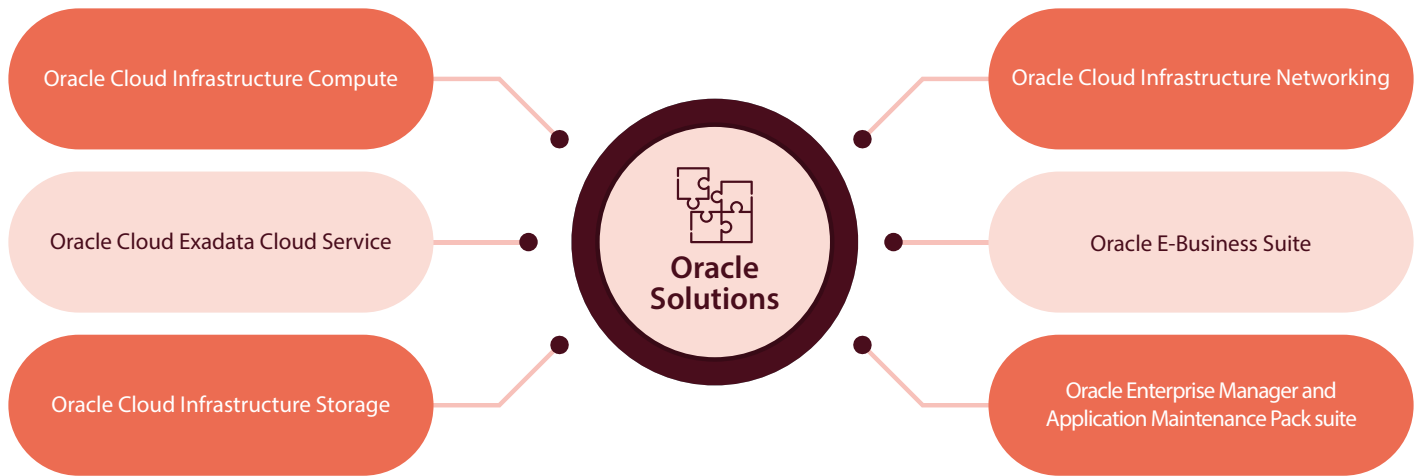
100% secure solutions

To deliver complete solution security, Infosys ensured that:

- All the servers are placed behind the load balancer by implementing Web Application Firewall (WAF)
- iReceivables functionalities are available after upgrading Java on OCI to enable TLS1.2 and EBS web application for external users
- The IT infrastructure was integrated through TLS for seamless integration with third-party interfaces

Easy maintainability

Infosys followed several best practices to simplify long-term system maintenance. Some of these were:

- Consistent/streamlined interface set-up across environments
- Implementing disaster recovery infrastructure with lower specifications to optimize maintenance costs

Oracle Cloud Infrastructure Compute

Oracle Cloud Exadata Cloud Service

Oracle Cloud Infrastructure Storage

Oracle Solutions

Oracle Cloud Infrastructure Networking

Oracle E-Business Suite

Oracle Enterprise Manager and Application Maintenance Pack suite

We helped LKQ transform to a Live Enterprise with Oracle Cloud technologies.
Learn how we can do this for you by dropping a mail to oracle_mktg@infosys.com to learn more.

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For more information, contact askus@infosys.com

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