



Modernize with



Your legacy applications, systems and infrastructure have stood the test of time, performed as per your requirements, and adopted well enough through patchwork. But are they ready to take on new business challenges in the overly digitalized world? A world where customers demand quick and efficient services; a space where security is crucial; and a place which demands high storage and compute power?

CloudLeaf will help you take your IT ecosystem to the next level of excellence. With our tried and tested methodology and our partnership with Oracle Cloud, we bring the power of Oracle Cloud Applications and Oracle Cloud Infrastructure (OCI) to your applications, workflows and systems to give them the agility that the new marketplace demands.

Application Modernization

Application Modernization is the foundation for a true digital transformation. Modernizing existing applications needs a systematic approach which considers a number of factors like functionalities of the existing application,

CloudLeaf has a systematic and proven methodology towards application modernization. Our approach begins with understanding the application thoroughly before determining the best modernization approach.

- Is the application supporting existing business?
- Is the application generating revenue?
- Will modernizing the same application instead of replacing it with a SaaS application be beneficial?
- Is it feasible to refactor or re-platform the application?

Modernize with Oracle's:

Cloud Applications – Complete suite of integrated applications

Cloud Infrastructure – Secure, high-performance platform for all your workloads

Application Modernization Approaches:

Once it is determined that the application needs to be modernized in order to sustain in the long run, CloudLeaf uses any of these approaches to modernize it:

- Cloud Migration (Rehost/Replatform/Refactor/Replace/Retire)
- Containers
- APIs and Integration
- Microservices
- AI/ML Automation
- Data Lakes

Oracle Cloud Application Modernization Tools:

| | |
|------------------------------------|--|
| Application and Data Integration | Oracle Integration, Oracle SOA Suite, Oracle GoldenGate |
| Databases and Autonomous Databases | Oracle Database Solutions, Oracle Autonomous Databases, Oracle MySQL Database Service |
| Application Servers | Oracle WebLogic Server for OCI |
| Observability and Management | Oracle Observability and Management, Oracle Application Performance Monitoring, Oracle Logging, Oracle Logging Analytics |
| Application Migration | Oracle Cloud Lift Services, Oracle Cloud VMware Solution, Oracle Database Migration Service |
| Developer Tools | Developer tools, Oracle DevOps service, Oracle Resource Manager |
| Serverless | Oracle Functions |
| Containerization | Container Engine for Kubernetes, OCI Artifact Registry, OCI Compute |
| API Management | API Platform, API Gateway |
| AI Services | OCI AI Services, Oracle Digital Assistant, Anomaly Detection, OCI Speech-Vision Analysis |
| Cloud-Native | Oracle Cloud Native, Oracle Container Engine for Kubernetes (OKE), Oracle Functions, Oracle Streaming, Oracle Cloud Infrastructure Marketplace |

Infrastructure Modernization

Upgrading your infrastructure is the need of the hour in order to handle the added challenges of distributed workforces and demanding customer engagements. On-premise architecture requires major investment, management and maintenance.

Oracle's Cloud infrastructure gives organizations the ability to run business-critical workloads, automate critical workloads, and access next-gen computing power. Improve agility and achieve better results. Realize millions of dollars' worth benefits, 30-40% reduction in costs and quick ROI.

Oracle Exadata Platform:



**Exadata Database
Machine**

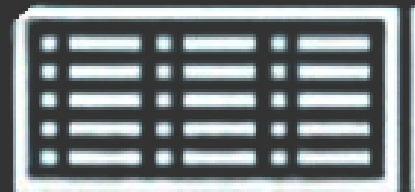


**Exadata
Cloud@Customer**



**Exadata Database
Service**

Oracle Engineered Systems:



**Oracle Database
Appliance**



**Exadata
Cloud@Customer**



**Oracle ZFS Storage
Appliance**



**Oracle Zero Data Loss
Recovery Appliance**

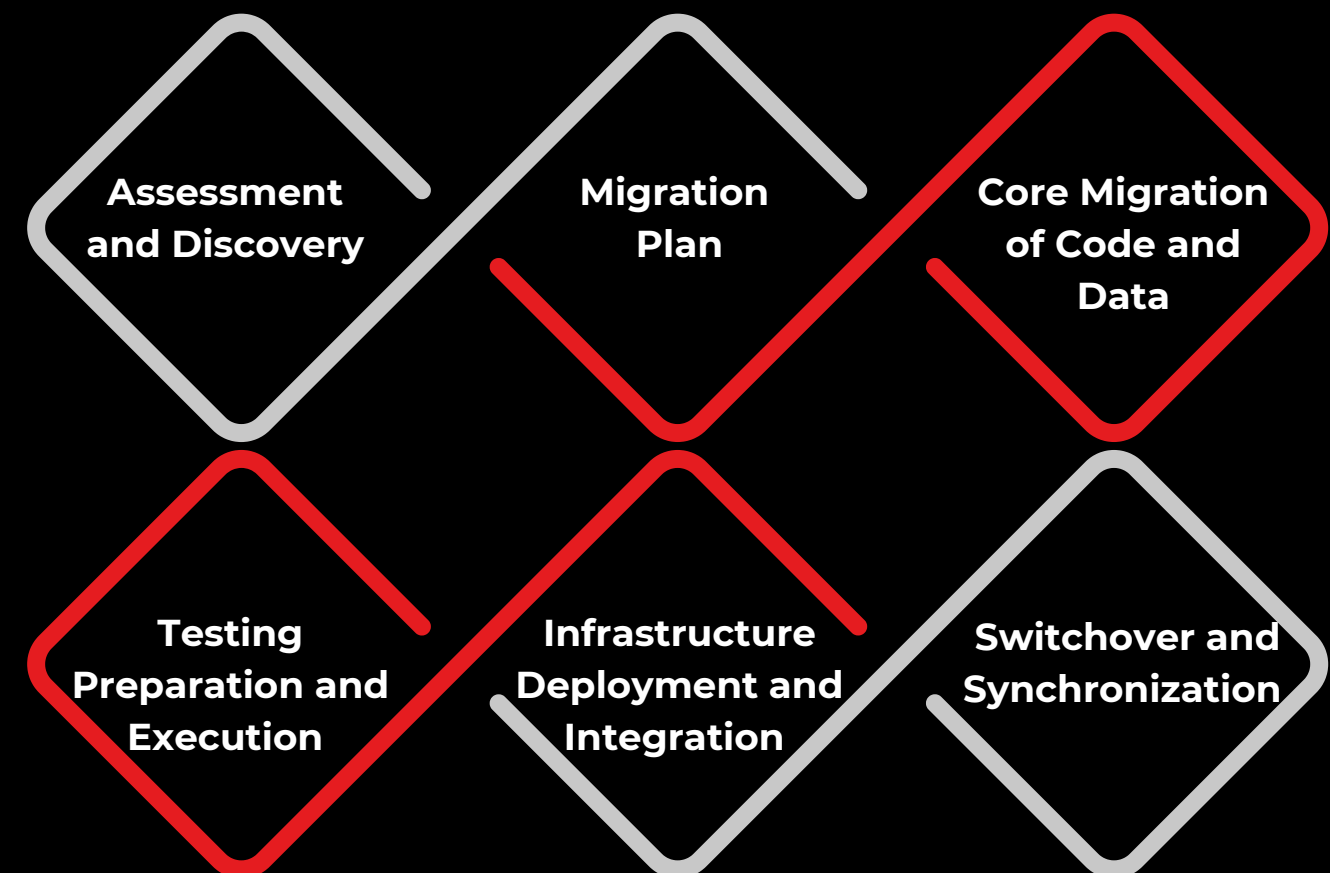
Mainframe Modernization

Mainframe applications are critical to any large business and government organizations. These legacy applications have embedded business logic that is based on decades of development, making them invaluable to any large enterprise. However, some of these mainframe applications cannot cope with increasing demands of the marketplace. With customers seeking quick and efficient services, there is no option but to modernize these mainframe applications in order to become agile cost-effectively.

CloudLeaf uses Oracle's re-hosting solution to leverage the leading software platforms: Oracle Tuxedo and Oracle Database that can handle thousands of customers of large enterprises. These custom and packaged systems support several industries and functions like financial and payment services, core banking, travel reservations, billing, logistics, and ERPs like PeopleSoft.

Oracle Database and Oracle Tuxedo are deployed in Oracle's Maximum Availability Architecture (MAA) to give mainframe-grade availability and performance. Oracle's open and flexible solution runs on a number of hardware/OS platforms enable use of multiple languages for new extensions (e.g., COBOL, C/C++, Java, Javascript), integrate with JEE, Spring Boot, and .Net, and support Web Services APIs, etc. to help align with customer's enterprise standards both on-premise and in the Cloud.

Mainframe Migration Approach:



Why CloudLeaf and Oracle

CloudLeaf uses Oracle's in-built capabilities for modernizing and migration workloads or applications to the Cloud. Our expertise in large enterprise applications and Oracle Cloud helps us to derive customized solutions to suit your unique business challenges and long-term objectives.

Now no more application management resource hassles. Our dedicated full stack development, engineering, maintenance, security and delivery experts can handle all aspects of your migration and modernization journey with ease and confidence.

- Easy Lift-and-Shift Migration with Oracle Cloud Lift Services.
- Next-Gen Architecture to support even the most complex applications.
- Oracle Exadata Cloud Service and Database RAC.
- Dedicated Bare Metal servers for great performance, isolation, and control.
- No wastage due to flexible infrastructure provisioning.
- Choice of on-premise, Cloud, Multi-cloud and Hybrid Cloud deployments.

Need expert advice on Modernization?
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