

Application Modernization

REPLATFORMING | CONTAINERIZATION | REFACTORIZING

Application Modernization

Early cloud adoption approaches were primarily focused on migrations or greenfield applications, but there exists an entire generation of modern applications that can benefit from cloud technologies. Through leveraging serverless or container platforms these apps can almost instantly benefit from the scalability, reliability, and cost effectiveness of the AWS cloud.

- **Cloud Native Thinking** - Leverage AWS services to offload undifferentiated dependencies, such as databases, storage systems, and supporting software
- **DevOps on Day 1** - Gain the benefits of a CI/CD pipeline for deployment and operations, utilizing a single source of truth in source control and ensuring consistent & auditable environments
- **Increased Efficiency** - Serverless and containers more effectively utilize the underlying hardware, resulting in significant savings



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Onica App Modernization Offerings

Cloud Native Replatforming

With only minimal changes to your applications, leverage the full power of the AWS cloud by adopting cloud native services as drop-in replacements for data, streaming, API management, logging, monitoring, and alerting.

- Quickly realize the cost, scale, and reliability benefits of the cloud, without the need to refactor or rewrite applications
- Increase the elasticity and responsiveness of large, traditionally monolithic, workloads
- Create continuous build & delivery pipelines and infrastructure automation, delivering on the value proposition of the cloud for mid-lifecycle applications

Container Adoption

When serverless isn't an option, containers are the preference for deploying modern, complex, distributed applications. Containers often require minimal changes to the application, making them the perfect evolutionary step when an application isn't appropriate for major refactoring.

- Solve management and infrastructure concerns by packaging code and dependencies in a common format
- Reduce complexity and scale effortlessly by leveraging the advantages of the container ecosystem and orchestration frameworks such as Kubernetes
- Increased portability of applications and improved developer workflows by creating isolated sandboxes for each component, where applications run decoupled from the underlying infrastructure

Serverless Refactoring

Write the software you want to write. Build self-healing, auto-scaling, serverless applications, unchained from the limitations of servers.

- Never pay for an idle microsecond. Build responsive applications by leveraging the managed concurrency and routing provided by the AWS cloud
- Scale seamlessly through unpredictable traffic and remain resilient in the face of unexpected failures, without any effort
- Reduce overhead and reclaim time and energy that can be spent developing great products