Zen3 Basic Principle of Cloud Migration

Migration Strategy

Choosing the optimal application-migration option is a decision that cannot be made in isolation,". "Any cloud-migration decision is in essence an application or infrastructure modernization decision and needs to be approached in the broader context of related application portfolio management and infrastructure portfolio management programs. This decision is not solely an issue of migration but is truly one of optimization: Which cloud platform and migration techniques offer the chance to optimize the application's contribution to stated and implied business and IT goals? Those business and supporting IT goals, should be driving any cloud migration decision. At Zen3 we take an optimized cloud migration journey to meet your business goals.

Discover -> Assess -> Migration ->Run -> Optimize

Zen3 5 R Approach for Cloud Migration

Rehost - Redeploy applications to a different hardware environment and change the application's infrastructure configuration. Rehosting an application without making changes to its architecture can provide a fast cloud migration solution.

Refactor - Run applications on a cloud provider's infrastructure. The primary advantage is blending familiarity with innovation as "backward-compatible" PaaS means developers can reuse languages, frameworks, and containers they have invested in, thus leveraging code the organization considers strategic.

Revise - Modify or extend the existing code base to support legacy modernization requirements, then use rehost or refactor options to deploy to cloud. This option allows organizations to optimize the application to leverage the cloud characteristics of providers' infrastructure.

Rebuild - Rebuild the solution on PaaS, discard code for an existing application and re-architect the application using Microservices, Containers, and Serverless computing. Although rebuilding requires losing the familiarity of existing code and frameworks, the advantage of rebuilding an application is access to innovative features in the provider's platform.

Replace - Discard an existing application (or set of applications) and use commercial software delivered as a service (SaaS). This option avoids investment in mobilizing a development team when requirements for a business function change quickly.

Lift and Shift (IaaS focused)

Lift and Shift is more than migration of your Hardware from On-prem Datacenter to Public Cloud, it's a migration strategy that give you more agility and scalability within short time-span. Building Datacenters are usually complex and involve considerable planning and coordination between multiple teams, including network, security, application, server, storage, facilities and compliance teams. Typically, such projects take longer than expected and go beyond the

planned budget. In such scenarios it is always better to go for Lift and Shift (IaaS) Migration to Cloud

Major benefits of Lift and Shift Migration to Cloud:

1) Too much of cost in maintaining hardware infra
2) Scalability of hardware
3) Re-architecting applications is tedious and lengthy

Cloud Native Service

Cloud-native applications are meant to function "in a world of cloud computing that is ubiquitous and flexible." Applications can be developed on a cloud platform, then deployed to different clouds where supporting software stacks will help them run at scale. Cloud native applications are designed, developed and deployed in such a way that it reaps the maximum benefits of cloud computing without an overhead to manage the infrastructure. At Zen3 we focus on customers applications landscape to move them to an agile and cloud native mode.

Be it Serverless, Microservices or Containers we put the business priorities on the top and help you choose the right platform for your Cloud Native development across multiple Cloud Platforms leveraging PaaS service offerings.

Cloud Platform Migration (Cloud to Cloud)

Where is the Cloud? Of-course it's a hardware not owned by you, but it is still susceptible and prone to hardware failure/outages that can potentially impact your applications. Putting all the eggs in one basked is always risky. We at Zen3 identify and choose the right Cloud platform for right services so that you embrace multi cloud that gives you more flexibility and avoid vendor lock-in.

Multi Cloud is the need of hour, at Zen3 we help you migrate the workloads between different cloud platforms so that your business applications are safeguarded from Cloud Service provide outages/failures

Data Migration

Data is an important cornerstone of a successfull Cloud Migration, and data migration varies by the scenarios in which we get/update/modify/update/delete/backup the data.

Data is everywhere, and an important backup strategy is crucial an important for any organization's success.

Are you planning to move to a SaaS Platform? The essence of whole on-premise to SaaS migration revolves around Data Migration that includes not just moving the data but enriching your data so that it fits into the SaaS platform.

Data migration process can be a tedious task and there are various steps which will decide/determine the process to adopt for a successful data migration plan

- Defining the kind of data you want to move to the new platform
- Determining the depth of data you want to move
- Understanding the importance of cleaning the data
- Recognizing the potential errors that might be faced
- Understanding the benefits of moving data in sections

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