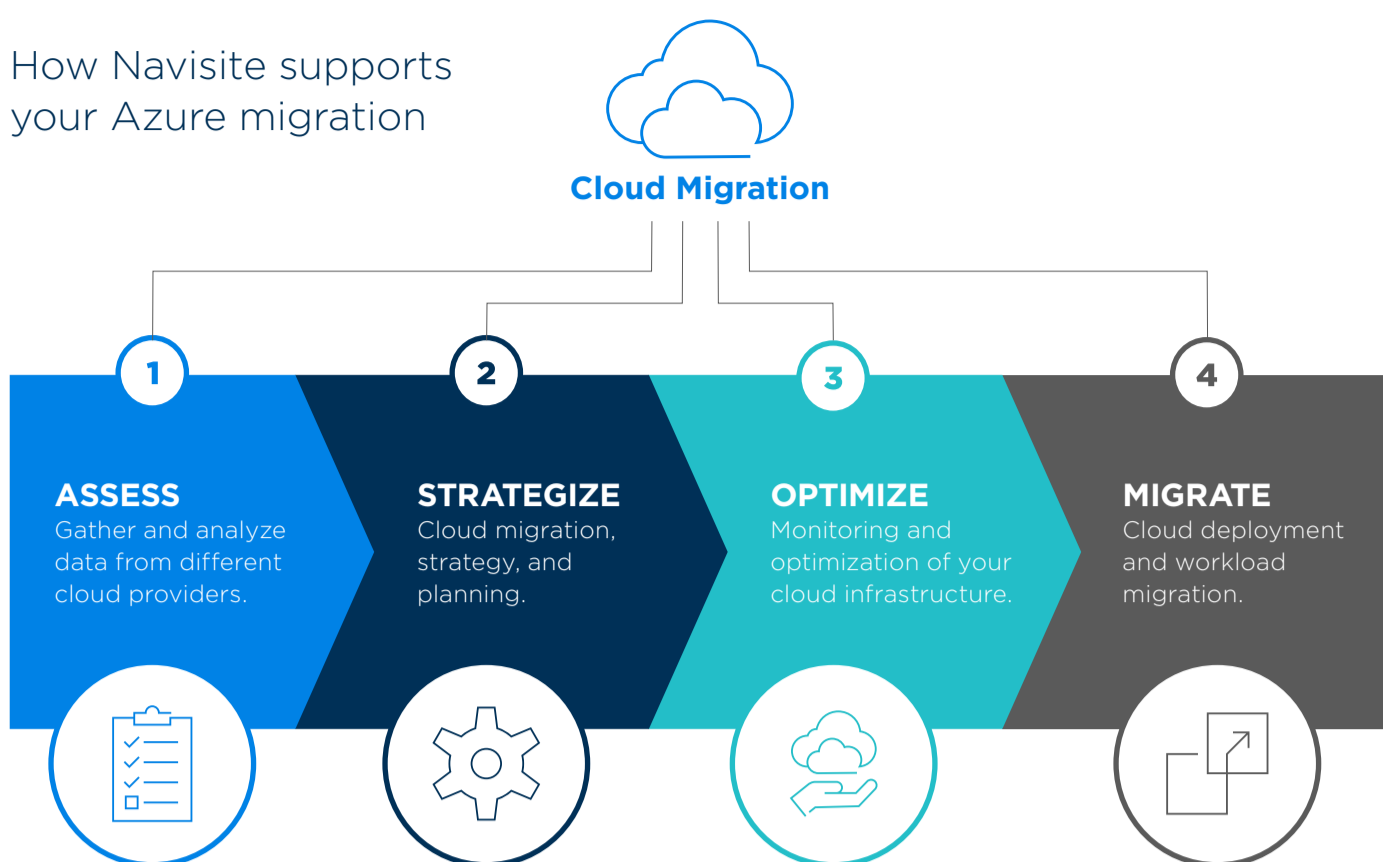


# Migration to the Cloud

It's not just where you're going...it's how you get there.

How Navisite supports your Azure migration



## ASSESSMENT

- Getting a clear understanding of your applications, servers, workloads and VMs
- Mapping application dependencies
- Prioritizing apps based on their readiness, mission-critical level
- Addressing security/privacy issues
- Estimating the TCO of running applications in the cloud

## CONFIGURATION

- Configuring a cloud-powered IT environment based on:
- PC and server configuration and security requirements
  - Updates required for OS, software and apps
  - Compliance requirements
  - Applying security patches, setting passwords and remotely administering computers
  - Networks and the users/devices accessing them
  - Troubleshooting problems with connectivity and configuration
  - Tracking, logging and reporting configuration changes

## MONITORING/PROACTIVE MANAGEMENT

- Delivering a 360-degree view of your entire cloud infrastructure—including Azure and other private or public clouds.
- Aggregated view of public and private cloud environments via personalized dashboards
  - Historical performance and service metrics, intelligence and analytics
  - API access for seamless integration into a client's core IT systems
  - Automated alerting to identify potential technical issues

## MIGRATION

- Develop an application-centric migration plan based on:
- Application components being migrated
  - Lift-and-Shift or replatforming/refactoring
  - Azure region(s) the applications will migrate to
  - The automated and manual tools used
  - What will happen to existing software licenses
  - Use of programs such as Azure Hybrid Use Benefit or License Mobility



## ITIL PROCESSES

Navisite implements migrations by actively following Information Technology Infrastructure Library (ITIL) guidelines. Experience with ITIL was a key factor for why Navisite was selected as an Azure Expert Managed Service Provider, a group which numbers under 50 worldwide.

## Choosing a Migration Strategy

Here is a graphical look at how different migration strategies net out across a spectrum of capabilities and benefits.



### Cloud-native

Reworking your applications to take full advantage of cloud features like on-demand elasticity, geo-redundancy and more granular security.

<b>PROS</b>	<b>CONS</b>
<ul style="list-style-type: none"> <li>✓ Maximizes value of the cloud migration</li> <li>✓ Takes full advantage of the elastic, on-demand nature of cloud resources</li> <li>✓ Makes most efficient use of cloud resources, saving on cloud operating expenses</li> </ul>	<ul style="list-style-type: none"> <li>✗ Takes time</li> <li>✗ Requires significant up-front investment</li> <li>✗ Will significantly delay cloud investment returns</li> <li>✗ To carry off successfully, you must have expertise with both existing applications and the cloud</li> </ul>

### Lift-and-Shift

Rehost applications in the cloud essentially as-is (aka lift-and-shift).

<b>PROS</b>	<b>CONS</b>
<ul style="list-style-type: none"> <li>✓ Fastest way to cloud</li> <li>✓ Minimizes up-front investments</li> <li>✓ Can substantially reduce existing on-premises infrastructure costs (i.e., closing data centers sooner)</li> <li>✓ Creates experience with cloud resources/strategies</li> </ul>	<ul style="list-style-type: none"> <li>✗ Applications that ran inefficiently before will run inefficiently in the cloud.</li> <li>✗ Will result in more spending than is necessary on cloud services</li> <li>✗ Will not tap the flexibility and on-demand nature of cloud operating model</li> </ul>

### Refactor/replatform

Taking a middle approach, making code changes or architectural adjustments where feasible to take advantage of containers or Platform as a Service (PaaS).

<b>PROS</b>	<b>CONS</b>
<ul style="list-style-type: none"> <li>✓ Less up-front investment than a full lift-and-shift</li> <li>✓ Follows established paths to well-established cloud PaaS services, such as Azure SQL Database</li> <li>✓ Provides valuable experience with cloud practices</li> <li>✓ May address an end-of-service issue, such as for SQL Server 2008</li> </ul>	<ul style="list-style-type: none"> <li>✗ Still requires a significant up-front investment</li> <li>✗ Still not taking full advantage of cloud</li> <li>✗ Moving to a PaaS may require compromises in the functionality you were accustomed to on-premises</li> </ul>

As an Azure Expert MSP, Navisite can help you determine the optimal path to successfully migrate to Azure. Let us show you how today.

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