

# Seamless migration to Microsoft Hybrid Cloud

## SurPaaS MaaS solutions for HPE ProLiant for Microsoft Azure Stack

Simplify your cloud journey with a complete hybrid assessment and migration solution

### Why SurPaaS for HPE ProLiant for Microsoft Azure Stack?

- Comprehensive business and feasibility analysis before migration
- A private solution for secure assessment and migration
- Hybrid, smart migration with advanced capabilities
- Rapid migration and switchover to production

### The promise of Microsoft® Azure® Stack

HPE ProLiant for Microsoft Azure Stack gives customers an on-premises instance of a Microsoft Azure Cloud. Co-engineered by HPE and Microsoft, HPE ProLiant for Microsoft Azure Stack is an integrated hybrid cloud solution that is compatible with Azure development and deployment tools. It incorporates compute, storage, and networking in an on-premises instance, enabling a hybrid cloud solution that is consistent with Azure public cloud services. The solution delivers the speed, agility, and simplicity of a public cloud but with the cost-effectiveness, flexibility, and data sovereignty characteristics of an on-premises cloud.

### Migration planning and execution challenges with Azure Stack

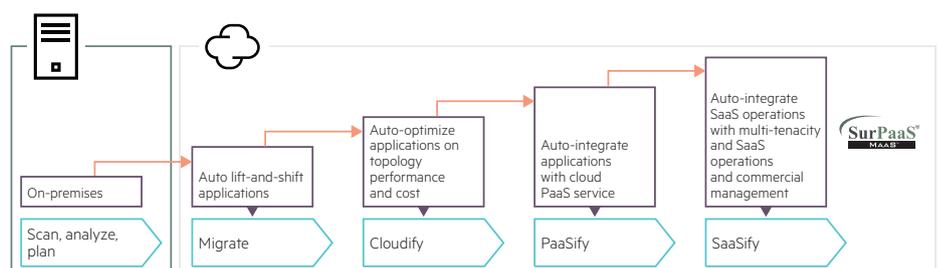
Migrating from on-premises infrastructure to Azure Stack is not a push-button process. It needn't be a massive project, but a number of unique considerations emerge. For instance, Azure Stack uses mostly different application programming interfaces (APIs) from Azure

cloud. Accommodating API differences can add time and complexity to the migration planning and execution processes. It's essential to take such differences into account. This is one of many factors that highlight the need for the SurPaaS® private solution.

### An automated migration solution for Azure Stack

SurPaaS migration-as-a-service (MaaS), developed by Corent Technology Inc., offers a dedicated, proven solution for migrating to HPE ProLiant for Microsoft Azure Stack from your existing on-premises environment. Designed specifically for private environments, the solution facilitates the rapid, repeatable, and reliable migration of your application/infrastructure servers to Azure Stack. At the same time, it addresses privacy and region-specific security concerns.

Leveraging automation at nearly every stage of the planning and migration process, SurPaaS is able to perform "lift and shift" of applications. It can even auto-optimize applications in Azure Stack on the basis of topology, performance, and cost. The solution further enables automated integration with platform-as-a-service (PaaS) services.



**Figure 1.** SurPaaS optimized cloud journey



## Simplifying your journey to Azure Stack

The first step in the SurPaaS automated migration process involves a seamless, secure scan of your servers. This process creates a workload/server connectivity map that allows you to model costs and right-size your applications for Azure Stack. From there, the solution is able to generate detailed reports that offer a complete feasibility analysis of business and operations that will be affected by the move. These reports help you decide on your ideal cloud migration plan.

SurPaaS then oversees server sizing and refinement in Azure Stack, based on performance and utilization data imported from other tools. The solution enables you to start an accelerated, optimized cloud journey and move through successive stages of optimization and modernization. With its advanced cloud migration methodologies, SurPaaS enables you to

migrate any application to HPE ProLiant for Microsoft Azure Stack with little difficulty.

You get a wide range of options to redeploy your workloads into different scalable architectures based on your business needs. These include disaster recovery (DR) scenarios. Depending on your stage of cloud evolution, SurPaaS offers different pathways to continuously evolve your cloud strategy and choose the best capabilities in our product line to achieve your business goals.

## Rapidly switching over to production

SurPaaS migrates your entire setup rapidly from legacy infrastructure to Azure Stack. There is neither data loss nor security risk exposure. The SurPaaS Zero-Point Synchronization feature synchronizes files and databases automatically from on-premises infrastructure to Azure Stack up the moment of the complete switch over.

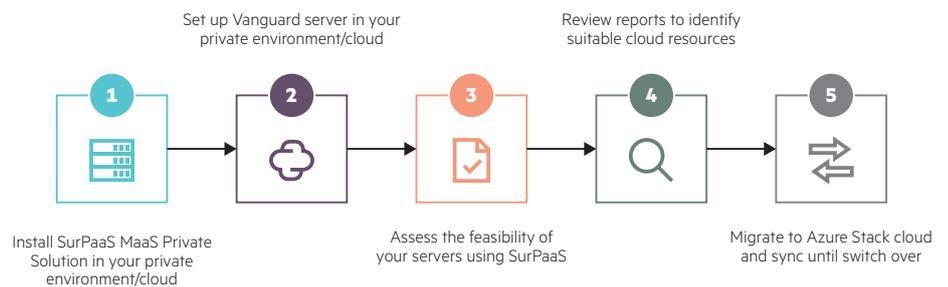


Figure 2. SurPaaS MaaS facilitates rapid, repeatable, and reliable migration

## Customer benefits

Applying SurPaaS planning and migration to HPE ProLiant for Microsoft Azure Stack confers a number of benefits to the enterprise. These include:

- A seamless, simplified journey to Azure Stack
- Business-based planning, including a feasibility analysis of business and operations

- The secure, architecturally sound migration of workloads
- Advanced cloud migration methodologies from hybrid to re-architected deployment models
- Rapid production switchover

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