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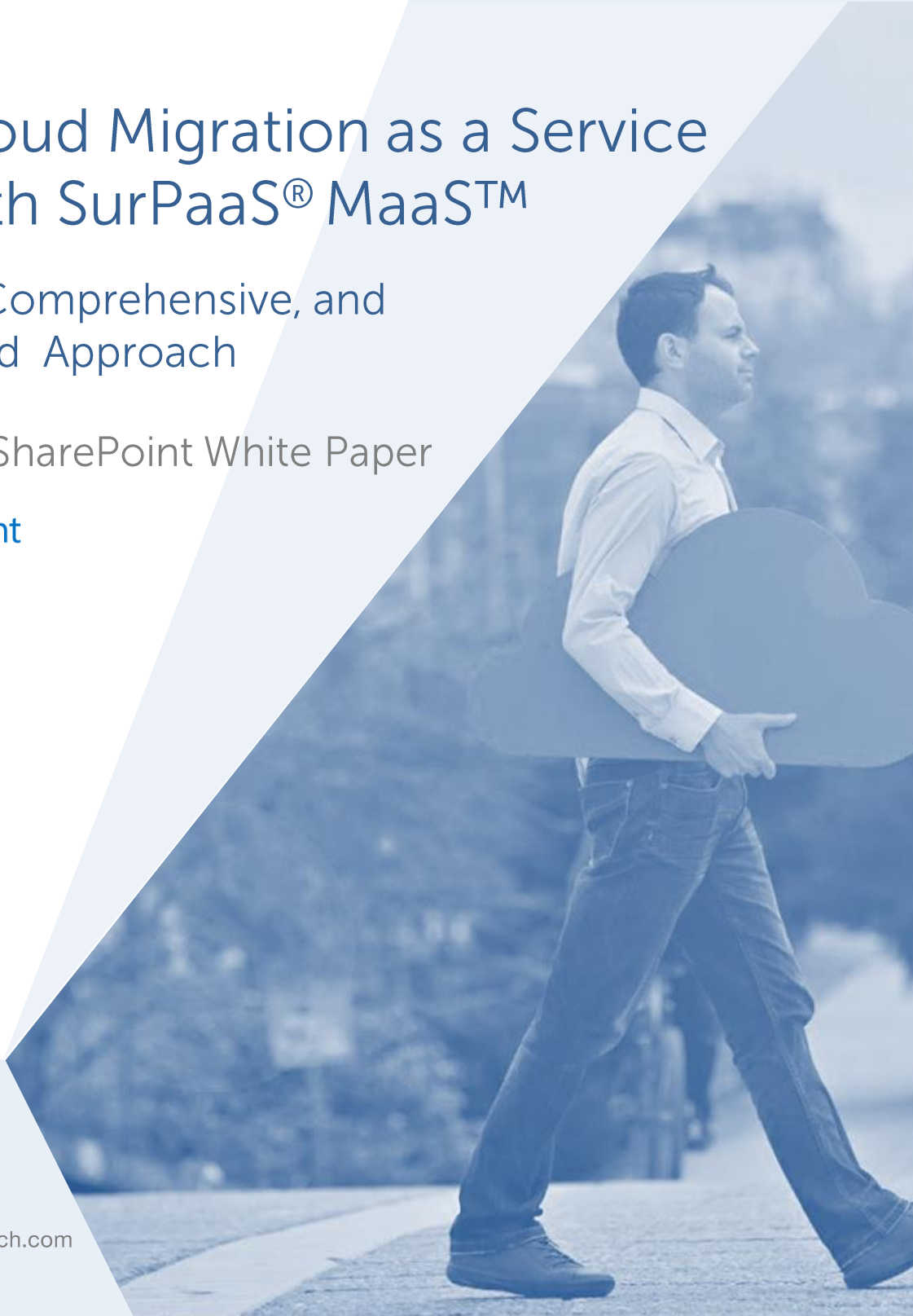
CORENT WHITE PAPER

Cloud Migration as a Service with SurPaaS® MaaS™

A Quick, Comprehensive, and Automated Approach

Microsoft SharePoint White Paper

SharePoint



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Migrating SharePoint to the Microsoft Azure Cloud Using Corent's SurPaaS® MaaS™

Rapidly, Reliably and Confidently

INTRODUCTION

For organizations who are considering migrating their applications from on-premise to Microsoft Azure Cloud, SurPaaS® MaaS™ is the solution to consider.

It manages and automates the *whole migration journey* from analysis, design, pricing and the actual migration. It can migrate any applications to Microsoft Azure Cloud without need for any programming.

Available as a service on Microsoft Azure with a pay-as-you-go business model.

Supported by an extensive knowledge base, SurPaaS® MaaS™ provides value in each step of the migration journey.

SurPaaS® MaaS™' automated process helps organizations substantially reduce their time and required resources and mitigates the risks involved.

CHALLENGES IN MIGRATING SHAREPOINT TO THE CLOUD

Identifying your current SharePoint Architecture:

- Identifying your SharePoint architecture at the initial stage is very essential.
- Need to identify and plan on what other workloads you need to move along with SharePoint to the Cloud.
- And discover the interconnections between different applications with the SharePoint environment.

Re-architecting SharePoint Environment: An important step in SharePoint Cloud migration strategy would be to explore the possibilities of re-architecting your SharePoint's topology in the Cloud.

- Making changes to the hardware or software configuration of your environment in the Cloud for improving the overall performance.
- Identifying and designing the SharePoint architecture that suits your business the best, based on different scenarios.

Migrating SharePoint to the Cloud: The SharePoint migration and its configuration in the Cloud itself is hard to manage.

- It requires identification of the pre-requisites needed for the SharePoint to be installed in the Cloud.
- Possibility of incorrect execution in manual Cloud migration due to the human factor which can cost substantial loss in time and cost.

Migrating SharePoint Related Data: Movement of SharePoint related data to the Cloud is a challenge.

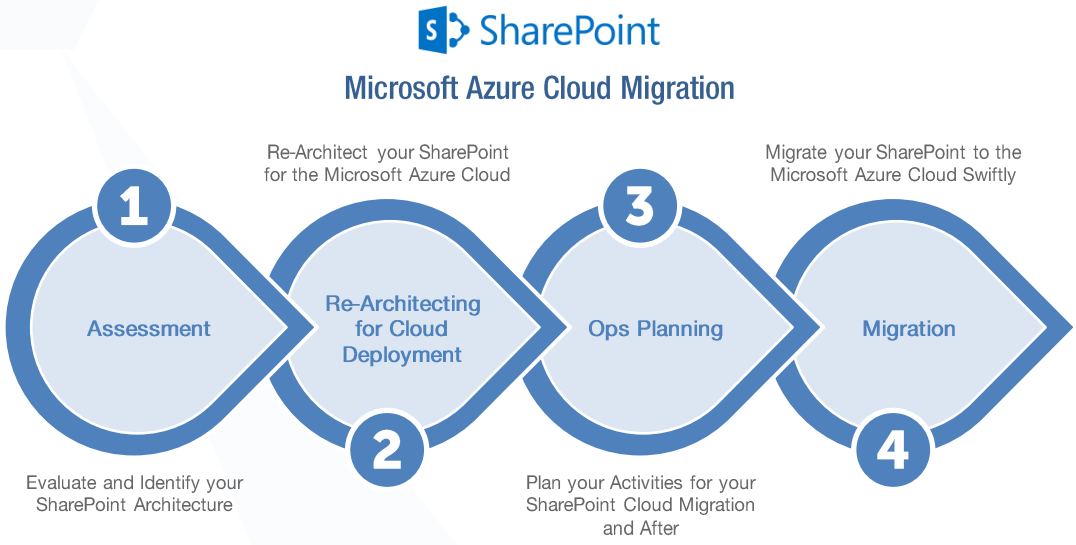
- It involves secured and seamless data transfer from on-premise to the Cloud.
- The success lies in achieving the data migration without any data loss.

These are some of the challenges organizations have to face while migrating SharePoint to the Cloud.

AUTOMATED PROCESS FOR MIGRATING SHAREPOINT TO THE MICROSOFT AZURE CLOUD

Corent's solution to the SharePoint Cloud migration problem is a proven methodology and automated process that opens up a new window of opportunity for many organizations who prefer to migrate their SharePoint environment from on-premise to the Microsoft Azure Cloud.

A brief explanation on the Corent's solution for the SharePoint Cloud migration using SurPaaS® MaaS™ is given below.



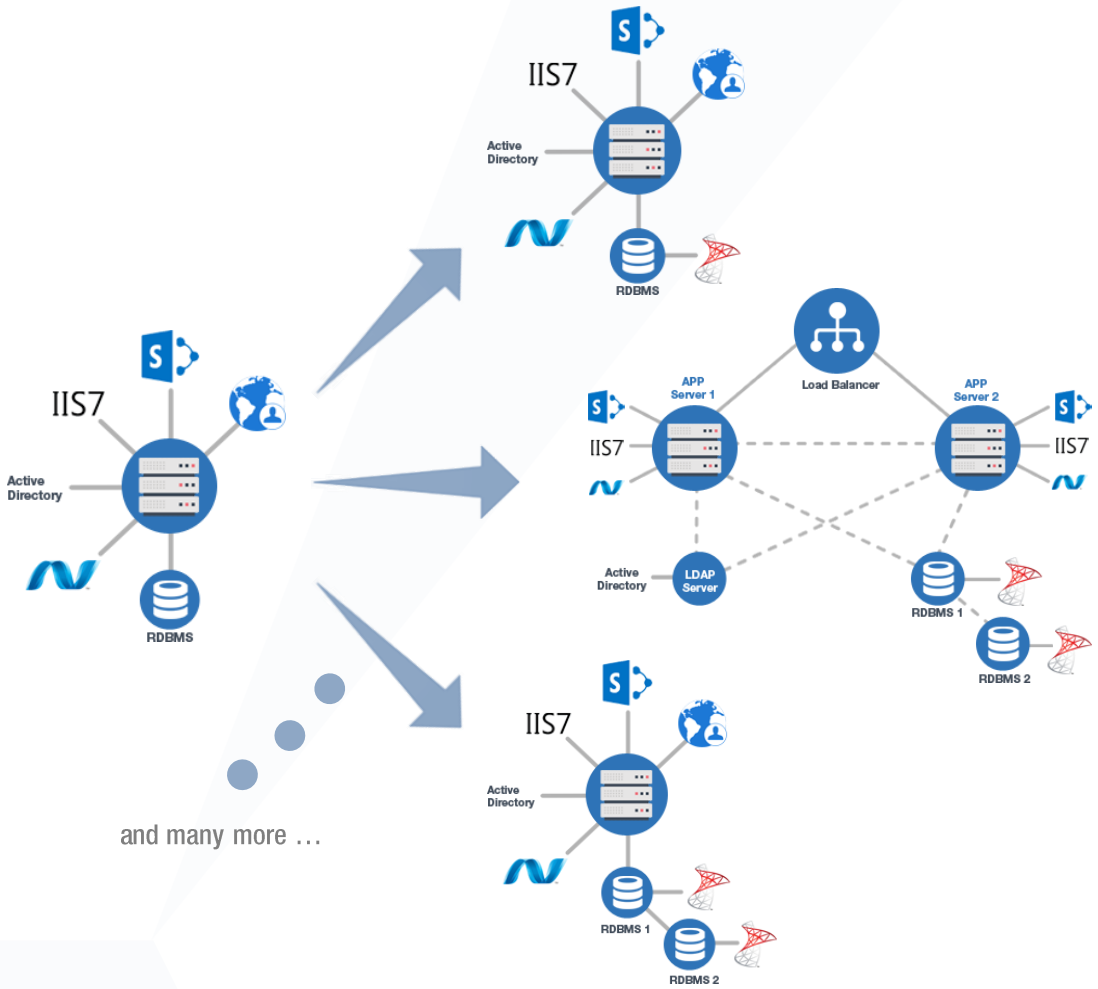
Assessment:

- SurPaaS® MaaS™ performs a comprehensive scan of the existing SharePoint infrastructure – from hardware to different workloads – to assess if the organization will benefit from the Cloud migration (or) not.
- On completion of this scan, SurPaaS® MaaS™ builds a detailed workload map of the SharePoint environment which gives complete clarity on all the requirements and dependencies in the SharePoint.
- Corent's SurPaaS® MaaS™ estimates all the initial and recurring costs involved in the operations, application services, hardware and networking before SharePoint Cloud migration.
- SurPaaS® MaaS™ compares costs for different what-if scenarios involving various Cloud migration options and hardware configurations based on your business requirements and potential PaaS features available in the Microsoft Azure Cloud to replace your current licensed features.
- Using SurPaaS® MaaS™, you can customize the SharePoint's Operations Costs in the Cloud by trying out various configurations available in the Microsoft Azure Cloud for your SharePoint environment.

Re-Architecting for the Cloud Deployment: The workload map generated earlier is used to identify SharePoint's current architecture and SurPaaS® MaaS™ suggests various architectures for the SharePoint's Microsoft Azure Cloud deployment that might be suitable for your business requirements.

- It enables you to custom-build the SharePoint architecture on your own if you choose not to use the suggested ones from SurPaaS® MaaS™.
- Existing SharePoint infrastructure can be upgraded to the latest and more powerful hardware options available from Microsoft Azure Cloud.

SurPaaS® Offers Unlimited Re-Architecting Options for SharePoint Deployment to the Microsoft Azure Cloud



Ops Planning: SurPaaS® MaaS™ aligns the generated SharePoint assessment results to a practical Cloud migration plan and helps planning your migration strategy.

- Performs cost analysis for your Cloud migration plans and helps you compare migration costs for various Cloud configurations.
- Allows you to select a suitable SharePoint architecture for the Microsoft Azure Cloud based on your business requirements.
- Conduct pilot migrations with different Cloud migration strategies and finalize your SharePoint Cloud migration plan.

Migration: After the SharePoint Cloud migration plan is finalized, SharePoint can be easily migrated to the Microsoft Azure Cloud using SurPaaS® MaaS™' easy-to-follow steps.

- Automate your SharePoint Cloud migration with SurPaaS® MaaS™' powerful capability to integrate scripting in the migration plan.
- Swiftly migrate the SharePoint related data from on-premise to the Microsoft Azure Cloud using SurPaaS® MaaS™.

TIME NEEDED FOR SURPAAS® MAAS™ TO MIGRATE SHAREPOINT TO THE MICROSOFT AZURE CLOUD

For a SharePoint setup with typical hardware configuration, the Cloud migration would take only between 3-16 hours from on-premise to the Microsoft Azure Cloud depending on several factors including the amount of data, RAM size and connection bandwidth.

COMPARISON OF SURPAAS® MAAS™ CLOUD MIGRATION APPROACH VS. MANUAL MIGRATION

Cloud Migration Activities	Manual Cloud Migration	Cloud Migration Using SurPaaS® MaaS™
Feasibility analysis of Applications to be migrated to the Microsoft Azure Cloud.	Difficult to identify the application architecture for analyzing the feasibility of Cloud migration.	SurPaaS® MaaS™ analyzes your application and builds a complete workload map for assessing the feasibility of Cloud migration.
Operational and cost planning based on different what-if scenarios.	Tedious to calculate the costs involved in the operations, application services, and for different hardware configurations available in the Cloud.	SurPaaS® MaaS™ helps you to try out various Cloud migration options and hardware configurations and calculate the costs for each scenario.
Optimizing scenario of choice with operational cost overview and service costs	Difficult to choose or design your application architecture and configurations based on your target budget.	SurPaaS® MaaS™ helps you in planning and designing the application architecture based on your budget by means of its capability to compare cost for different configurations in the Microsoft Azure Cloud.
Re-architecting your application architecture.	Manually designing or re-architecting the application architecture takes substantial time and needs expertise.	SurPaaS® MaaS™ helps in re-architecting your application as you want or also suggests architectures on its own based on your business requirements.
Migrating applications to the Microsoft Azure Cloud.	Challenging and time-consuming to carry out the Cloud migration manually as the steps has to be performed in a systematic manner with precision.	SurPaaS® MaaS™ makes the application migration to Microsoft Azure Cloud ridiculously simple and quick by means of its scripting support and in-built data/file transfer mechanisms.

CONCLUSION

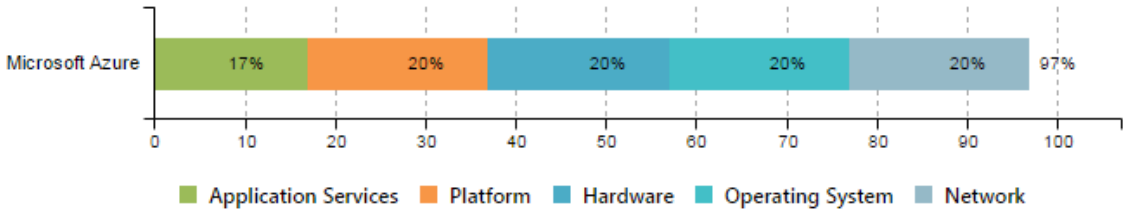
Corent has built in its unrivalled Cloud migration expertise into SurPaaS® MaaS™ which makes it a go-to choice platform for anyone who wants to migrate their SharePoint (or any other application) to the Microsoft Azure Cloud.

With SurPaaS®' proven track record of migrating SharePoint to the Microsoft Azure Cloud, you can now migrate your SharePoint to the Microsoft Azure Cloud with ease and confidence.

APPENDIX: SAMPLE SURPAAS® MAAS™ SCREENSHOTS FROM A SHAREPOINT MIGRATION TO THE AZURE CLOUD

ASSESSMENT

Cloud Compatibility Chart

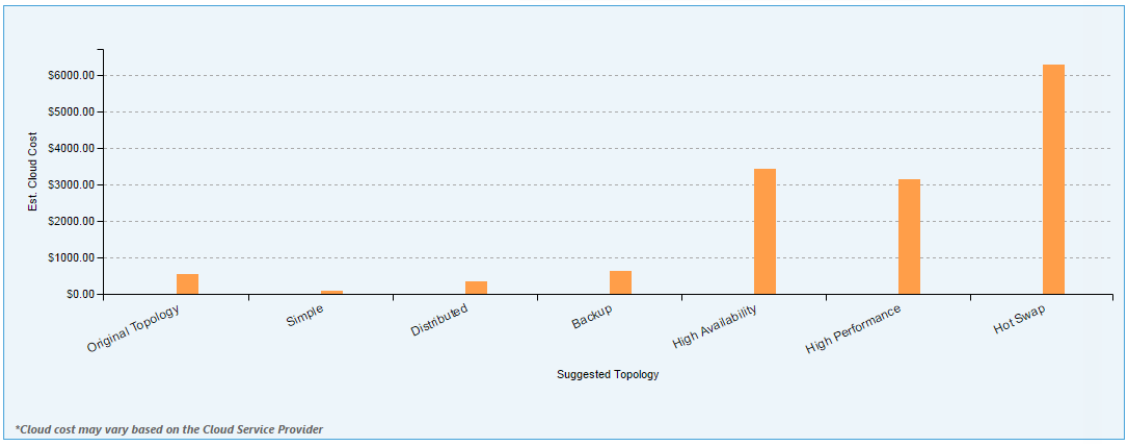


Resource Efficiency Ratings

	Microsoft Azure
Application Services	4
ApacheTomcat (WebServer)	4
IIS (WebServer)	4
SharePoint (ApplicationServer)	5
MSSQL (RDBMS)	4
Application (DesktopApplication)	4
Platform	5
Ruby	5
.NET	5
Java	5

Hardware	5
Architecture	5
Processor	5
Memory	5
Operating System	5
OS Type	5
Network	5
Outbound Internet Access	5
Accessible Ports	5
Cloudability	✔

Cloud Migration Cost Chart



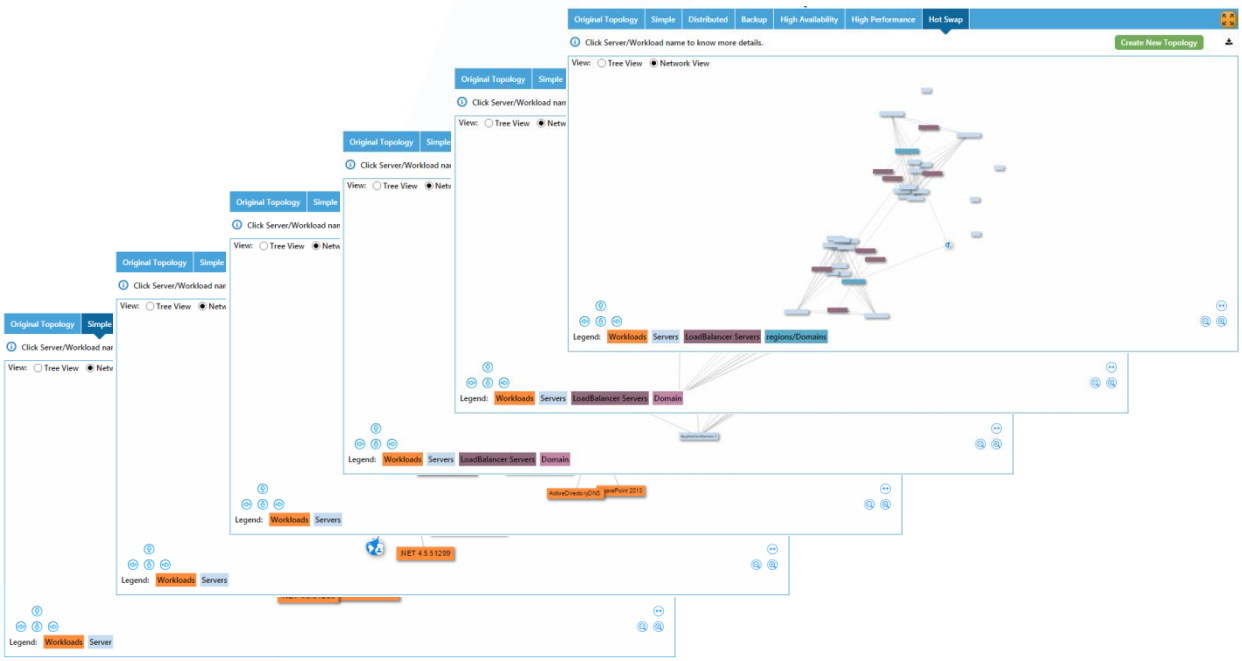
* Cloud Costs shown in this bar chart are monthly costs for each suggested topology.

Identified Hardware Details

Application Server(s)	Active Directory	SharePoint 2013	MSSQL 2013
Hardware Details			
CPU Count	2	2	2
CPU Speed	2.50 GHz	2.79 GHz	2.79 GHz
Installed Memory (RAM)	7.50 GB	3.75 GB	3.75 GB
Processor Architecture	64 bit	64 bit	64 bit
Hard Disk	XENSRC PVDISK SCSI Disk (100.00 GB) C: : 100.00 GB XENSRC PVDISK SCSI Disk (29.99 GB) Z: : 29.99 GB	XENSRC PVDISK SCSI Disk (100.00 GB) C: : 100.00 GB XENSRC PVDISK SCSI Disk (15.25 GB) Z: : 15.25 GB XENSRC PVDISK SCSI Disk (15.25 GB) Y: : 15.25 GB	XENSRC PVDISK SCSI Disk (100.00 GB) C: : 100.00 GB XENSRC PVDISK SCSI Disk (15.25 GB) Z: : 15.25 GB XENSRC PVDISK SCSI Disk (15.25 GB) Y: : 15.25 GB
Operating System			
Name	Windows	Windows	Windows
Version	2008 R2	2008 R2	2008 R2
Architecture	64 bit	64 bit	64 bit
Network Information			
Public IP			
Private IP			
Domain Name			
Internet Access	Available	Available	Available

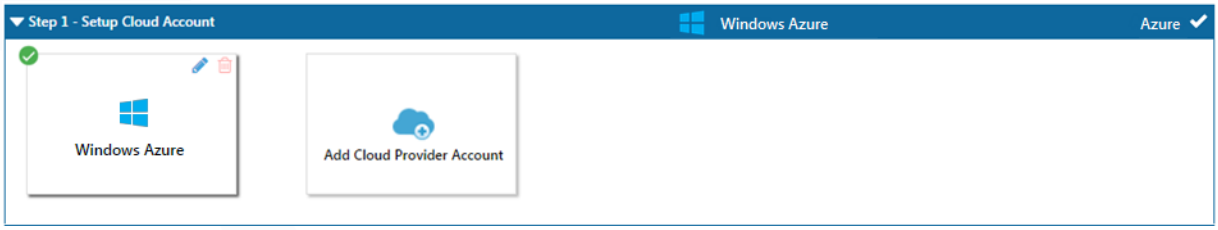
RE-ARCHITECTING

Some of the Suggested Application Architectures

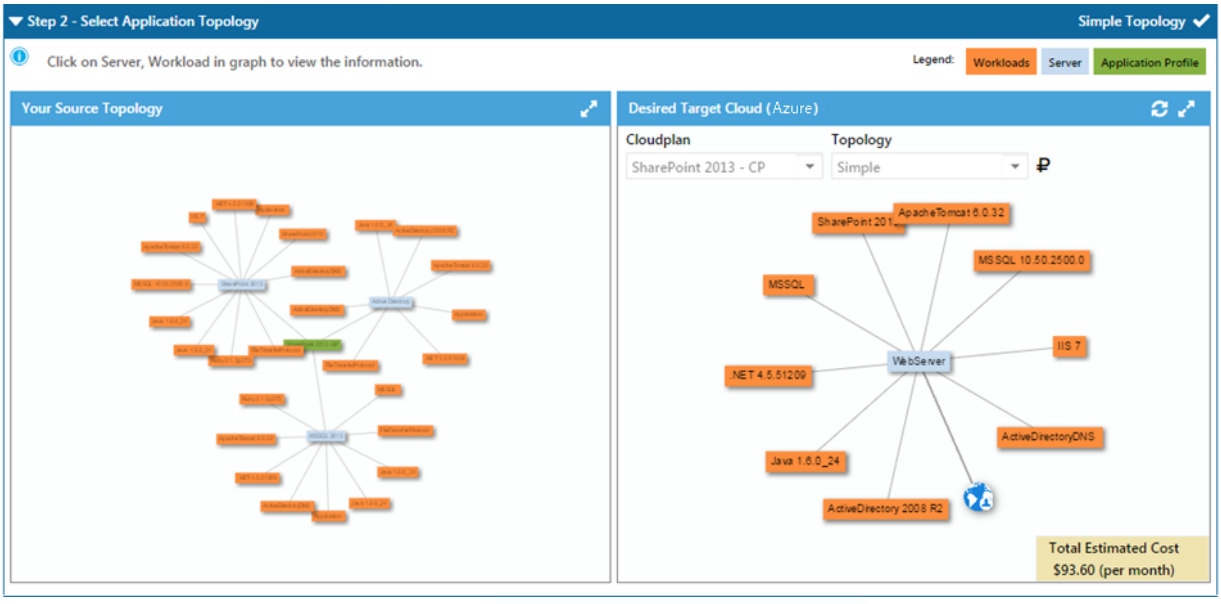


CLOUD MIGRATION PLAN

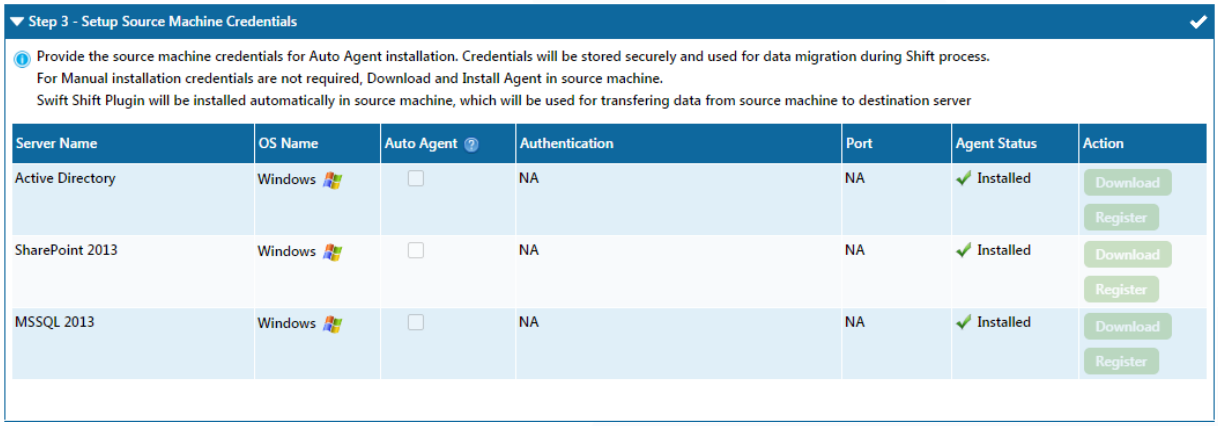
Selecting Microsoft Azure Cloud



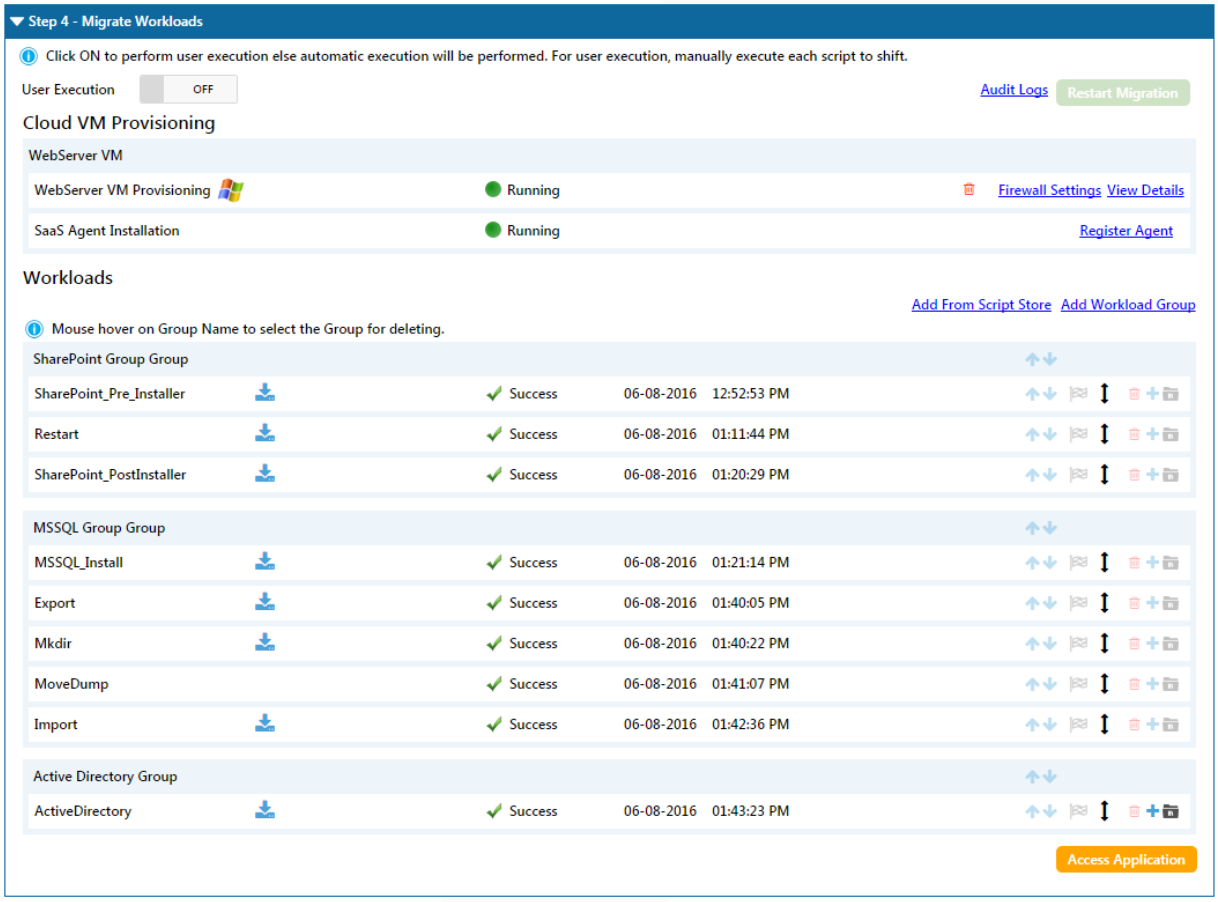
Selecting an Application Architecture



Setting up the Application



Sample Workload Migration List



Get in touch with Us to see the Cloud Migration in action.

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