Microsoft | Solution Assessments

Solution Assessments as a Service

Top Unmanaged for Partner

Paolo Valcher Solution Assessment Area Lead Microsoft Western Europe – HQ

Click to go to Video



Curated Assessments



Powerful 1st or 3rd party tools





 Microsoft Solution Assessments use the power of <u>data-driven recommendations</u> and <u>actionable</u> <u>steps</u> to help customers improve productivity, reduce costs, and optimize their investments



Valuable insights

Get expert recommendations for your technology journey so you can make the best decisions for your business



Trusted partnership

We'll help you find the right Microsoft partner to drive your digital transformation



Rest easy knowing you are staying ahead of your organization's security needs



Solution Assessment – the Value

Provides customers with an in depth understanding of the **opportunities** available in their environments to improve productivity, reduce cost and optimize investments.

- A Solution Assessment is a set of proven processes that delivers a comprehensive view of a tangible data insights, inventory, usage, and risks, ultimately enabling organizations to regulate costs and resources, manage business, and align IT investments with business needs.
- Solution Assessment provide data based **real data** on existing infrastructure, **security** threats and **migration** options including **TCO** views
- From a **security** standpoint, a Solution Assessment helps organizations identify and counter potential threats by ensuring that end-of-life products get decommissioned and that product updates and security patches are applied in a timely way.



HOW: Solution Assessment – as a Service model



Partner

Microsoft as a service

Discovery Tool Migration Tool – Data Collection Data analysis Final Assessment Report Recommendations & Action Plan Workshop **Migration Action Plan** and **sign** off

Migration in Execution

"Tailored" Cloud Project Consumption monitoring Cost Control & Governance Managed Service



C A S T

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Solution Assessment | as a Microsoft service - Goals



Accelerate top unmanaged customers' Microsoft cloud adoption by delivering cloud assessments and migration support at scale

4 solution assessments offered to help customers:

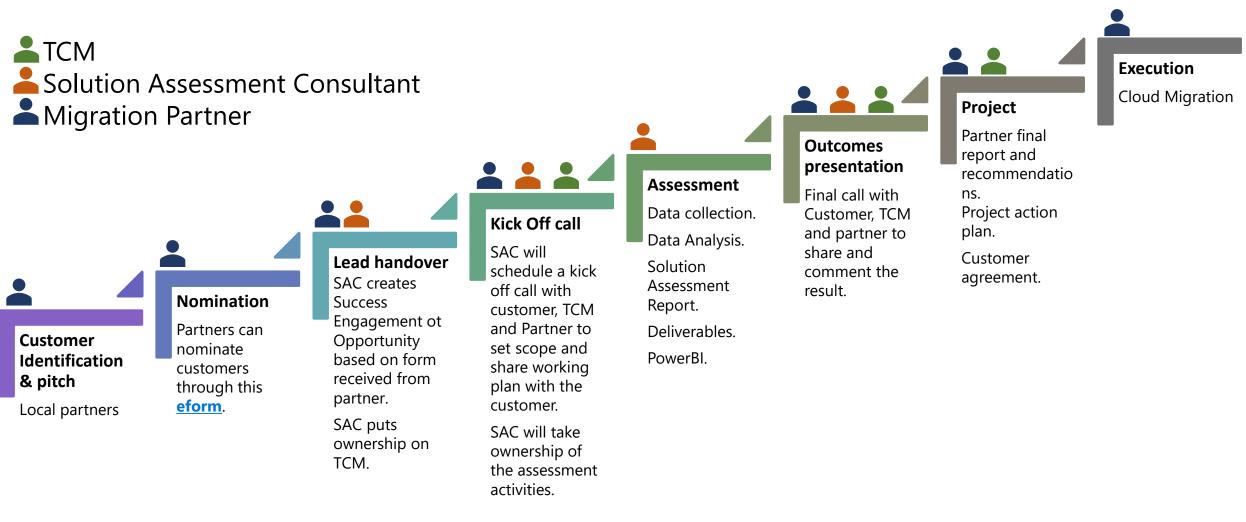
- **1. Data & Infrastructure Migration**: Helps customers modernize their server & data storage and provide recommendations for migration to Azure
- **2. CyberSecurity**: Helps customers understand security risks in their IT Infrastructure and how to solve issues
- **3. Application Modernization**: Assists customers identify and prioritize applications for cloud modernization
- **4. Workplace Modernization**: Provides the customer with a detailed prioritized set of recommendations of their overall cloud-ready capabilities in relation to their desktop cloud migration strategy

Partner Value



	Reduce time to market ready to present final project proposal
×× ××	Focus on Partner core business
200 200 200	Demonstrates deep partnership with Microsoft
	Assessment data gathering developed by a 3rd party
	Partner involved in every step and leads the final project

Solution Assessment process



Microsoft



Solution Assessments & Partners deliverables

Assessment Deliverables (Microsoft Provided)

Infrastructure Optimization

 End of Support Systems
 Right-Sizing for IaaS
 IaaS Projections (Windows & Basic Linux)
 Dependency Mapping
 Performance Metrics

Application Modernization

•Recommendations for Azure VM, SQL DB, Web app, Containers •IaaS/PaaS TCO

Cybersecurity & Threat Assessment

•OS and SQL End of Support
•SQL Service Pack Deviations
•Software Vulnerabilities
•Missing Antivirus
•Exposure to Ransomware, and other threats

Workplace Modernization

End of Support Systems
Security Profile & Threat Advisor
Competitive product mapping to M365 & TCO
Aging Hardware

Partner Deliverables

Migration Plan

A customized migration plan should address scope, time and cost:

•Provide recommendations on the data gathered and analysis completed during the assessment

•Provide a prioritized roadmap detailing the cloud migration recommendations

•Provide a detailed timeline and milestones

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Partner - Final Assessment Report, must include

- 1. **Executive Summary:** A high-level summary of project background and scope, data discovery.
- 2. Summary of Current Environment
 - · Data Collection info
 - · PowerBl
 - "Solution Assessment as a service" Final Outcome
 - Partner Comments
- **3. Business case:** Deliver a compelling business case aligned to the customer's initial objective, evaluating the benefit, cost, and risks of the proposed solution
- 4. Recommended Next Steps
 - Provide a customized **Migration Plan** that addresses scope, time, and cost, including
 - **recommendations** for a base architecture and landing zone foundation.





CSP Partner requirements

Partner

- needs to complete this training
- needs to use Partner Center
- needs to maintain an active MPN membership
- has a published offering in place to execute after the assessment
- has already 5 customers using the offering
- has employed certified people:
 - For all assessments: Azure Administrator Associate (AZ-104)
 - For specific assessments:

Infrastructure & Data Migration	Cybersecurity	Application Modernization	Workplace Modernization
• <u>Azure Solution</u> <u>Architect Expert</u> (AZ-303+AZ- 304)	• <u>Azure Security</u> <u>Engineer</u> <u>Associate (</u> AZ- 500)	• <u>Azure</u> <u>Developer</u> <u>Associate (</u> AZ- 204)	• MS – 900 <u>Microsoft 365</u> <u>Fundamentals</u> or MS-500 <u>Microsoft 365</u> <u>Security</u> <u>Administration</u>

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Solution Assessments

	Data & Infrastructure Helps customers modernize their server, data centers and provide recommendations for migration to Azure	Cybersecurity Takes a comprehensive look at customers' cybersecurity infrastructure	Application Modernization Assess specific applications for PaaS in Azure	Workplace Modernization Focuses on migrating to or implementing a software as a service (SaaS) strategy
Candidate	ctratogy	Customers that want to evaluate their security risk	Established Azure customers considering PAAS solutions Customers considering modernizing on premise applications	Dark on cloud On-premise to Office365/M365 Aging hardware with Surface opportunity
Criteria	See details next slide	See details next slide	See details next slide	See details next slide
C Timing	4-6 weeks	2-3 weeks	4-6 weeks	2 - 3 weeks
X Tools	Movere	CSAT/Block64	CloudPilot	MAP, Movere, Block64
Inputs	Server hardware and software inventory with performance metrics	Hardware and software inventory Completed questionnaire to gather additional required information	Initial scan of all customer applications Agreed scope for analysis of 3-5 applications' source code	Hardware and software inventory, including refresh cycles, versions, operating systems and patching
Deliverable	A report detailing Azure readiness, including a TCO analysis and migration plan	A foundational analysis of the customer cybersecurity state and areas of potential risk, including a roadmap based on a maturity model using the CIS Controls A TCO analysis and migration plan	A report highlighting applications' readiness to move to Azure, including cost consumption estimates, reference architecture design, and a modernization plan	A detailed prioritized set of recommendations of the customer's cloud-ready capabilities in relation to their desktop cloud migration strategy with consideration to the Surface portfolio of devices A TCO analysis and migration plan



Customer Criteria

- Customer has a cloud strategy and the intention to move to the cloud
- Customer agrees to an appointment with the Solution Assessment Consultant

Infrastructure & Data Migration	Cybersecurity	Application Modernization	Workplace Modernization
 No Azure consumption, or less than 1K More than 10 Windows/Linux/SQL/ OSS DB servers on premise Domain Controller implemented 	• More than 100 employees or PCs	 In house developed application Application that serves customers (ISV) or at least 3 internal applications Access to source code 	 Customer is OnPrem or has high potential for upsell from basic cloud SKU's (EXO, E1, Business Basic, Proplus) More than 100 employees Compete solutions
 Triggers End of Support Servers/Databases Usage of any virtualization console - Vmware or HyperV, minimum of 10 VMs Usage of Remote Desktop 	 <u>Triggers</u> No M365 usage or deployment Remote teamwork needed No security policy in place 	 Triggers Strong dependency on Hardware OS/Database EoS Legacy applications with databases on SQL, MySQL, Oracle, Postgress 	<u>Triggers</u> • EOS • Hardware refresh • No Teams, shadow IT, competer solutions Microsoft Solution Ass

Actions

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Review Material and technical training Cloud Champion http://Microsoft.com/solutionassessments



Identify and select your customer based on criteria



Submit your Customer nominations thru <u>eform</u> Local Solution Assessment Consultant (SAC) will contact you

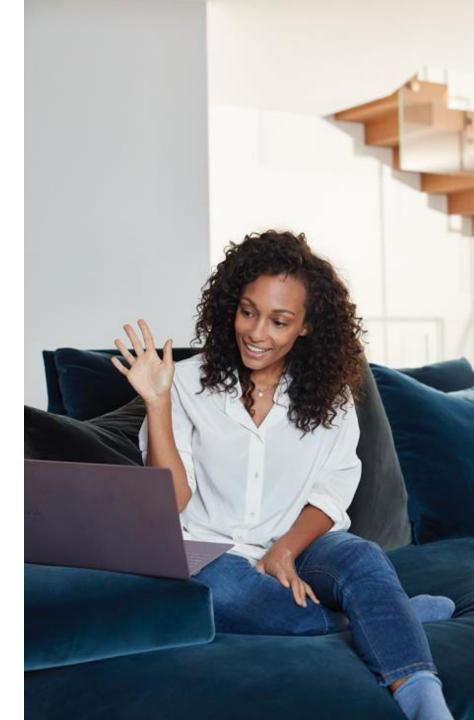


Organize kick off call with Customer and local SAC



Questions

solutionassessments@microsoft.com



Thank You

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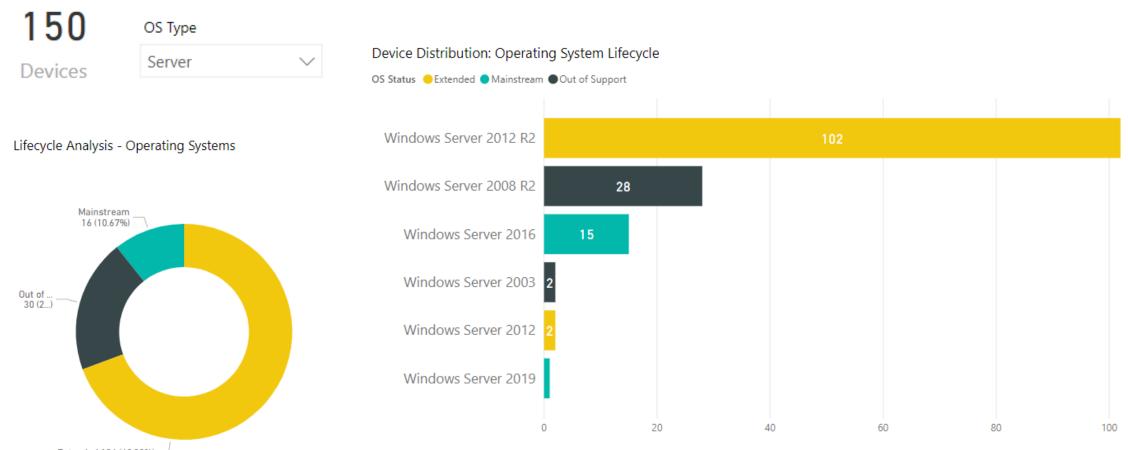
Appendix Assessment Report

Sample Outputs

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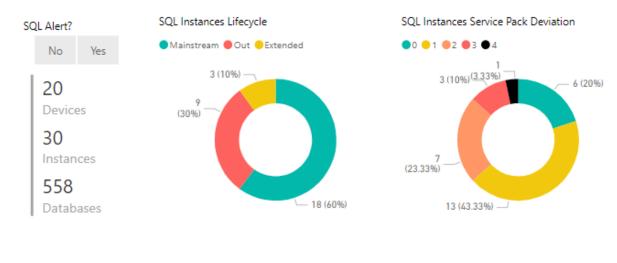
Operating Systems Lifecycle



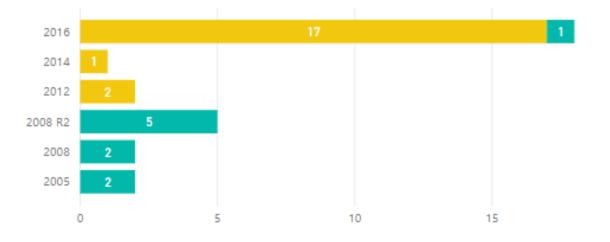
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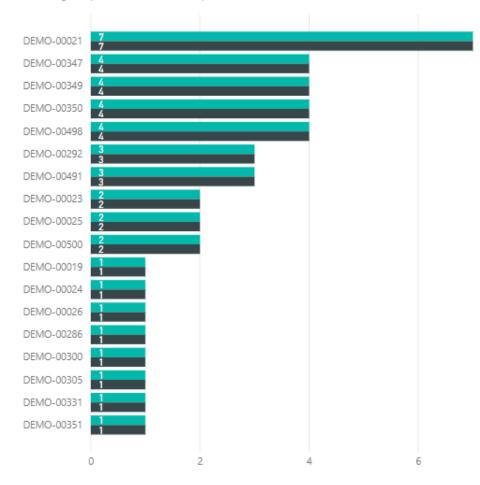
SQL Overview



Edition enterprise Standard



Running Components Installed Components



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Azure Projections



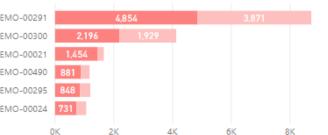
Device Name	OS Version	SQL Edition	On-Prem Cores	On-Prem RAM (GB)	Azure Profile	Azure vCores	Azure RAM (GB)	AHUB WS	AHUB SQL	Hours Month	Azure VM Cost	Storage Cost	Total Cost	Description
DEMO-00504	2016		8	16	D1_v2	1	4	8	4	730	65.40	18.11	83.51	
DEMO-00503	2012		4	16	D1_v2	1	4	8	4	730	65.40	2.16	67.56	
DEMO-00500	2012	Enterprise	4	32	D1_v2	1	4	8	4	730	65.40	4.24	69.64	
DEMO-00499	2016		2	4	D1_v2	1	4	8	4	730	65.40	4.24	69.64	
DEMO-00498	2016	Enterprise	4	8	F8s_v2	8	16	8	8	730	346.63	61.18	407.81	
DEMO-00497	2016		2	16	D1_v2	1	4	8	4	730	65.40	8.47	73.87	
DEMO-00496	2016		2	16	D1 v2	1	4	8	4	730	65.40	8.47	73.87	
Total			551			420	1873	1136	696		23,583.30	2,489.21	26,072.51	×
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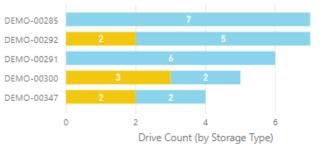
Storage & IOPS Analysis

130	2,489.21	• L	Jsed (GB) 🛑 A	vailable (GB	4,854 96 1.92 2K		
Devices	Storage Cost	DE	MO-00291		4,854		
Devices	Storage cost	DE	MO-00300	2,196	1.	92	
Region	Currency	DE	MO-00021	1,454			
Canada Central 🗸	CAD V	DE	MO-00490	881			
	CAD v	DE	MO-00295	848			
VM Sizing	Storage Scenario	DE	MO-00024	731			
As-Is	As-Is		ок		2К		
O Cost Optimized	Cost Optimized	Dri	ve Mix (Base	d on Right	-Sizing)		
 Right-Sized 	Right-Sized		rage Type 😑	-	2.		
Commitment	Dev/Test Scenario						
1 year RI	O 24h/7d		DEMO-0028	5			
3 year RI	8h/5d	53	DEMO-0029	2	2		
O Pay as you Go		Devices	DEMO-0029)1			
	23,445.66	ā	DEMO-0030	0	3		
AHUB Scenario	Azure VM		DEMO-0034	17	2		
Full AHUB	25,934.86						
O No AHUB	Monthly VM+Storage			0	2	D	
evice Name	Device Name			Migration	n Groups	;	
				Migration Groups			

Disk Usage per Server

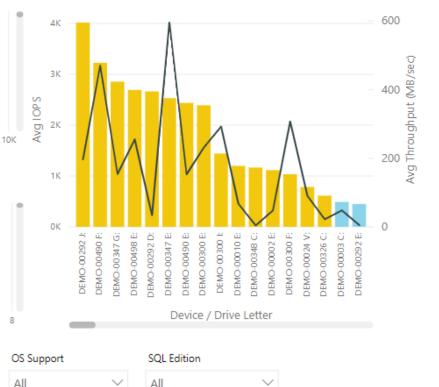


Sizing)



IOPS, Throughput and Storage Type Recommendations

Storage Type
Premium
Standard
Avg Throughput (MB/sec)



On-Prem Profiling: Disk Usage, IOPS & Throughput (MB/sec)

Device	Drive Letter	Total (GB)	Used (GB)	IOPS	Thgpt	Description
DEMO-00001	C:	75	59	44	1	
DEMO-00001	D:	60	48	32	1	
DEMO-00002	C:	125	43	430	19	
DEMO-00002	E:	100	92	1115	48	
DEMO-00003	C:	120	106	490	48	
Total		40,108	20,018	50898	3859	

Azure Managed Disks Sizing Scenarios

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~	Storage Sizing	1. As-Is			2. Right-Sized			3. Cost Optimized		
	Device/Drive	Disk Profile	Size (GB)	Monthly Cost	Disk Profile	Size (GB)	Monthly Cost	Disk Profile	Size (GB)	Monthly Cost
	DEMO-00001/C:	S10	128	8.29	S10	128	8.29	S6	64	4.24
	DEMO-00001/D:	S6	64	4.24	S6	64	4.24	S6	64	4.24
	DEMO-00002/C:	S10	128	8.29	S10	128	8.29	S6	64	4.24
v	DEMO-00002/E:	S10	128	8.29	P20	512	93.71	P10	128	25.23
	Total	P10	54784	5,612.33	P15	103296	11,477.39	P10	30296	2,489.21

Azure storage profiles are available as "Standard" and "Premium". And this is where IOPS becomes a key factor. If a disk's IOPS exceeds 500 or has a throughput greater than 60MB per second during an ARC scan, then Movere will recommend Premium storage SKUs. More information at: Movere: Cloud Storage Sizing & Pricing

Environment

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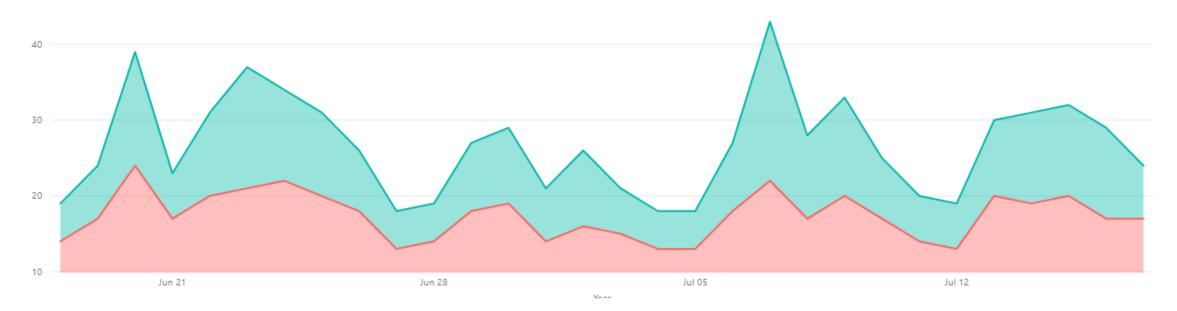


Network Throughput

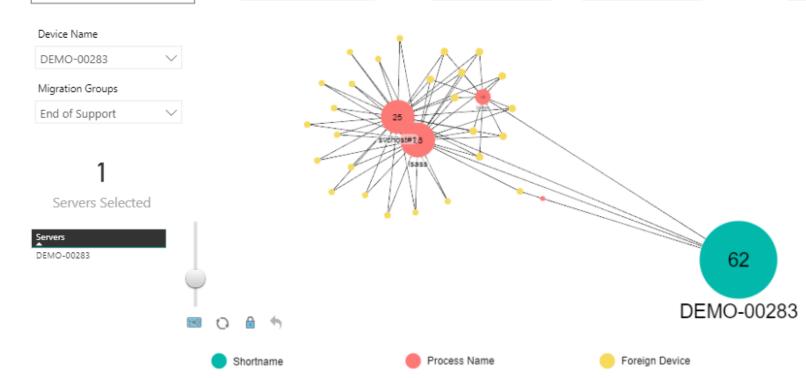


1,007,414 Max of Sent Throughput (MBpA)	
1,232,535 Max of Received Throughput (MBpA)	

Max of Sent Throughput (MBpA) Max of Received Throughput (MBpA)



Infrastructure Optimization - Dependency Mapping Device Name Process Name Environment (Foreign) Environment State Q Search All All All \sim \sim \sim All \sim



Server	Process Name	Process Path	Local Port	State	Foreign Port	Foreign Device
DEMO-00283	Isass	C:\Windows\system32\lsass.exe	389	Established	228754	DEMO-00003
DEMO-00283	Isass	C:\Windows\system32\lsass.exe	389	Established	114267	DEMO-00012
DEMO-00283	Isass	C:\Windows\system32\Jsass.exe	389	Established	435302	DEMO-00015
DEMO-00283	Isass	C:\Windows\system32\lsass.exe	389	Established	247035	DEMO-00016
DEMO-00283	Isass	C:\Windows\system32\lsass.exe	389	Established	536812	DEMO-00019
DEMO-00283	Isass	C:\Windows\system32\lsass.exe	389	Established	164985	DEMO-00026
DEMO-00283	Isass	C:\Windows\system32\Jsass.exe	389	Established	227601	DEMO-00028
Total					30058708	

Migration Groups (Foreign) End of Support

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Foreign Devices

Foreign Device

Search

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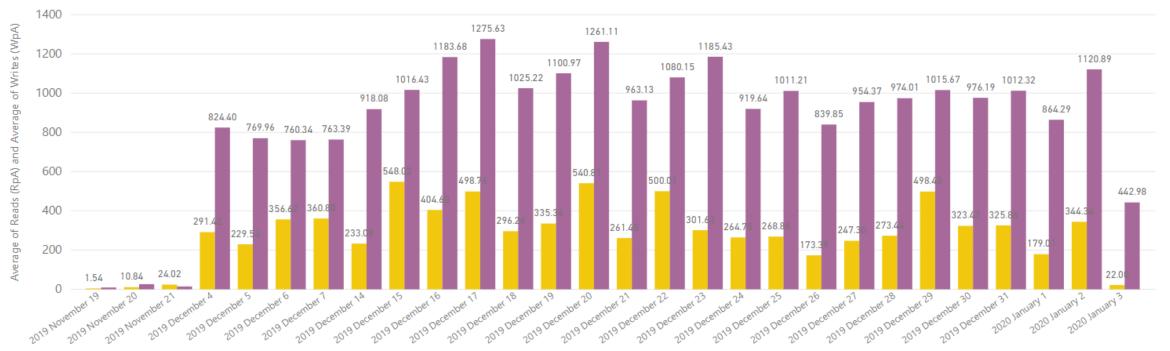
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Foreign Devices

Foreign Devices
DEMO-00001
DEMO-00003
DEMO-00004
DEMO-00005
DEMO-00006
DEMO-00007
DEMO-00008
DEMO-00009
DEMO-00011
DEMO-00012
DEMO-00014
DEMO-00015
DEMO-00016
DEMO-00017
DEMO-00018
DEMO-00019
DEMO-00020
DEMO-00024
DEMO-00025
DEMO-00026
DEMO-00027
DEMO-00028
DEMO-00245

SQL Performance – Average Reads & Writes

Average of Reads (RpA) Average of Writes (WpA)



App Modernization: Assessment Overview

Assessed Apps

2

Application Name	Application Platform	Scan Date	Container Readiness	App Service Readiness	Virtual Machine Readiness
Demo App1	.Net	05-18-2020	75%	79%	79%
Demo App2	.Net	05-18-2020	74%	75%	79%

Assessed DBs

Database Name	Database Type	Source Platform
Demo Database1	SQL Server	On-Premise
Demo Database2	SQL Server	On-Premise

App Profile and Recommendations:

Demo App1: Web Application; 1 Component; 24296 Code Lines; .Net Platform

- Azure App Service is recommended
- 12 changes needed
- **66** hours of migration effort
- **S2** instance CAD **\$ 206.13** (monthly)

Demo App2: Web Application; 4 Components; 11454 Code Lines; .Net Platform

- Azure App Service is recommended
- 25 changes needed
- **161** hours of migration effort
- **S2** instance CAD **\$ 206.13** (monthly)

Database Profile and Recommendations:

2

Demo Database1: MSSQL; Express Edition; v15.0.2070.41

- SQL Database (vCore) is recommended.
- 7 changes needed.
- 22 hours of migration effort.
- Gen 5 2 vCore database CAD \$ 529.62 (monthly)

Demo Database2: MSSQL; Express Edition; v15.0.2070.41

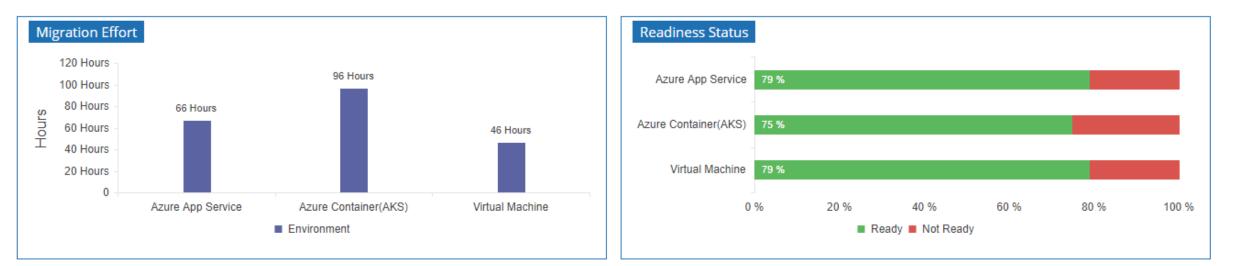
- SQL Database (vCore) is recommended.
- 8 changes needed.
- 26 hours of migration effort.
- Gen 5 2 vCore database CAD \$ 529.62 (monthly)

App Modernization: Overview (Demo App)

Recommendations Result		Azure Infrastructure Cost
Azure App Service	12	Azure App Service S2 (CAD \$ 206.13)
Azure Container(AKS)	14	Azure Container(AKS) DS2 v2 (2 Nodes) (CAD \$ 262.34)
Virtual Machine	12	Virtual Machine DS2 v2 (CAD \$ 240.80)

Recommended Application Platform: Azure App Service enables you to build and host web applications in the programming language of your choice without managing infrastructure. It offers auto-scaling and high availability, supports both Windows and Linux, and enables automated deployments from GitHub, Visual Studio Team Services, or any Git repo. More Info...

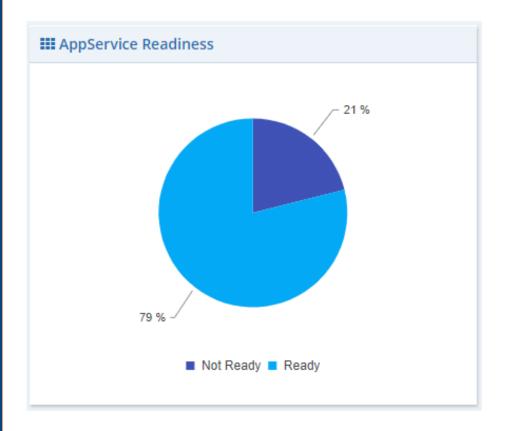
Why: This application is a good choice to move to Azure App Services, as it has no blockers & has additional features without any cost. **Other Option:** Azure Container Instance, Azure Kubernetes Service, Service Fabric and Virtual Machine.



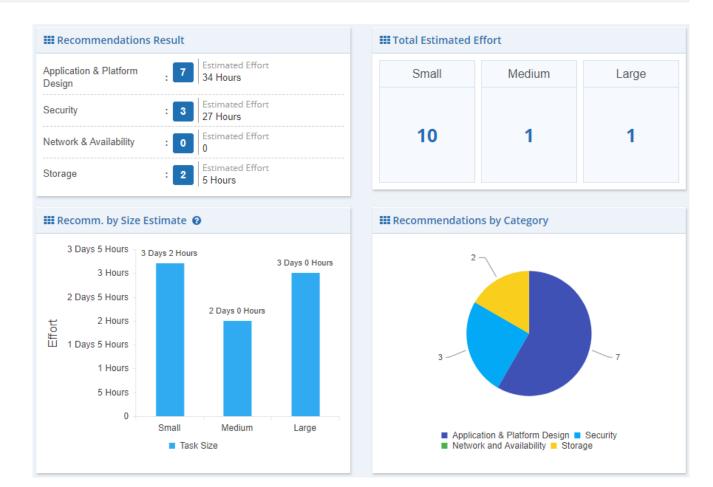
App Modernization: App Service Assessment (Demo App)

Azure Web Apps enables you to build and host web applications in the programming language of your choice without managing infrastructure. It offers auto-scaling and high availability, supports both Windows and Linux, and enables automated deployments from GitHub, Visual Studio Team Services, or any Git repo. <u>More Info...</u>

Why: This application is a good choice to move to Azure app services, as it has no blockers & has additional features without any cost. **Cost:** S2 (CAD \$ 206.13)



Recommendations will help increase readiness.





App Modernization: Recommendation Summary (Demo App)

III Application & Platform Design	
Category	Count
AppSettingsSection	1
SessionStateSection	1
Hard Coded IP Address	1
Hard Coded URL	1
Hard Coded Drive Path	1
GAC Dependency	1
Com Import	1

III Security	
Category	Count
Windows Authentication	1
Connection Strings Section	1
PII Information	1
III Storage	
Category	Count
DB Connections	1
Automatic Backup	1

12 changes recommended to optimize app migration

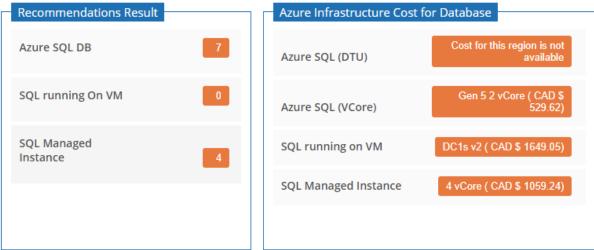
Mandatory Changes

App Modernization: Recommendation Summary (Demo App)

Sample summary table for Key Recommendations

Code Block	Line	Hours	Impact	Reason for change
<authentication mode="Windows" /></authentication 	74	24	Optional	Application using Windows Authentication for Identity. Windows Authentication is not supported on the cloud, use other recommended authentication scheme for identity
N/A	N/A	1	Optional	AppSettingsSection is used for storing sensitive information of application.
<sessionstate <br="" mode="InProc">timeout="40" /></sessionstate>	60	4	Optional	In Proc, Session mode will not support when you scale up your Application.
Dim path2 As String = "D:\ABC\Apps\DemoApp1\De mo\tmp\Sample.pdf"	22	16	Mandatory	The Application uses Hard Coded Drive Path. These drive paths may not be accessible after deployment in Azure App Service.

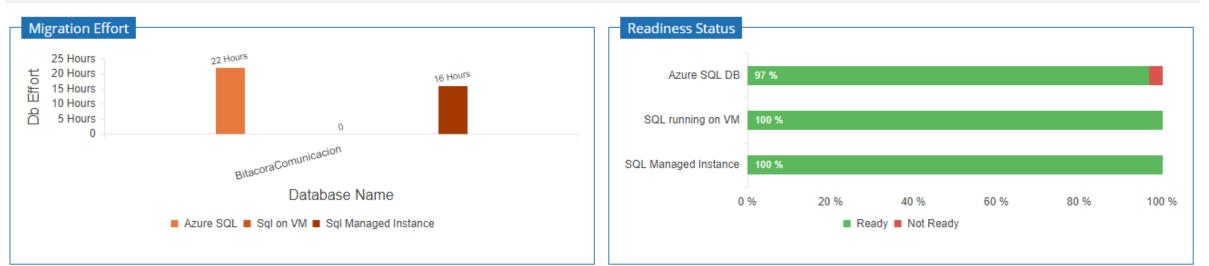
App Modernization: Overview (Demo Database)



Recommended Database Platform : SQL Database is a generalpurpose relational database service that supports structures such as relational data, JSON, spatial, and XML. It delivers dynamically scalable performance and provides options such as column store indexes for extreme analytic analysis and reporting, and in-memory OLTP for extreme transactional processing. Microsoft handles all patching and updating of the SQL code base seamlessly and abstracts away all management of the underlying infrastructure.

Why: Highly Scalable without downtime. Enable Failover clustering in minutes. Supports in built auditing , logging , query performance optimization and elastic query in a single connection.

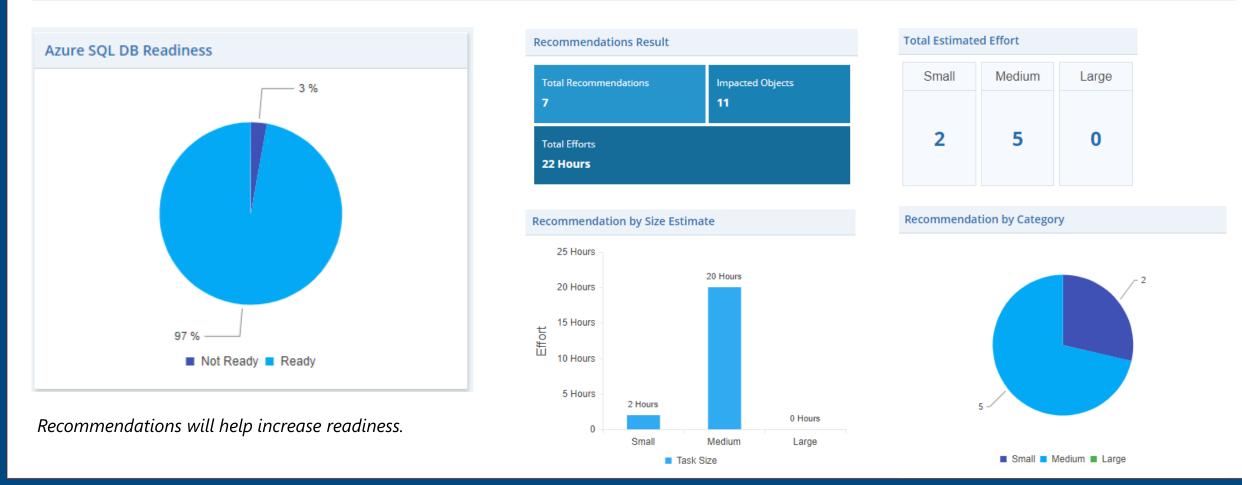
Other Options: SQL Service running on IaaS Virtual Machine and Azure SQL Database managed instance.



App Modernization: Azure SQL Assessment (Demo Database)

Azure Web Apps enables you to build and host web applications in the programming language of your choice without managing infrastructure. It offers auto-scaling and high availability, supports both Windows and Linux, and enables automated deployments from GitHub, Visual Studio Team Services, or any Git repo. <u>More Info...</u>

Why: This application is a good choice to move to Azure app services, as it has no blockers & has additional features without any cost. **Cost:** S2 (CAD \$ 206.13)



Action

Mandatory

App Modernization: Recommendations (Demo Database)



Migration Blockers

Issue Details:

Cross database queries using three- or four-part names not supported in Azure SQL Database

Impact: Queries or references using three- or four-part names not supported in Azure SQL Database. Three-part name format, [database_name].[schema_name].[object_name], is supported only when the database_name is the current database or the database_name is tempdb and the object_name starts with #.

Recommendation: Move the dependent datasets from other databases into the database that is being migrated. Migrate the dependent database(s) to Azure and use 'Elastic Database Query' functionality to query across Azure SQL databases. (<u>more info</u>)

Issue Details:	Action
BAK file (import/export) is not supported in Azure SQL Database	Mandatory
Impact: You can not restore database in Azure SQL Database using BAK file.	
Recommendation: Convert BAK file into a BACPAC file and restore it manually (more info).	



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SOL Full-text Filter Daemon Launcher (SOLDEVDES04)

SQL Active Directory Helper Service

SQL Overview

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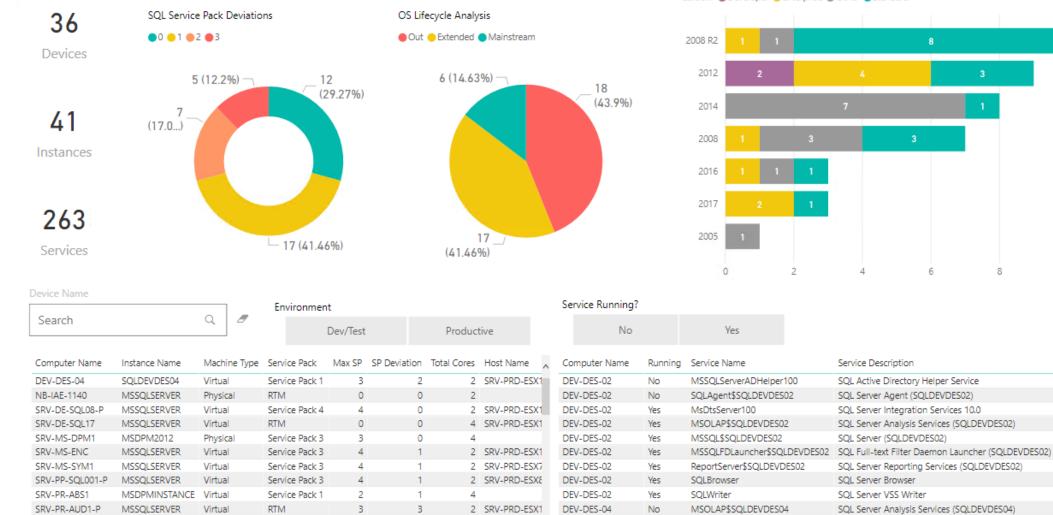
Service Pack 4

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DEV-DES-04

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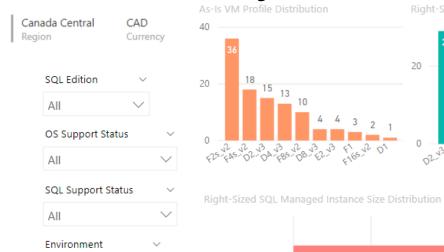
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MSSQLServerADHelper100

Edition Developer Conterprise Other Standard



laaS & PaaS Projections

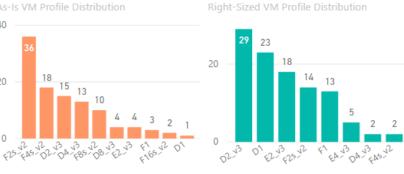


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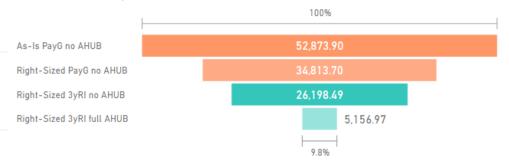


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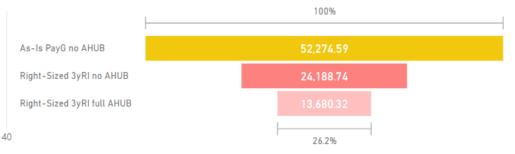
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VM Scenario Cost Comparison



Managed Instance Scenario Cost Comparison



Server Migration Scenarios: Azure VMs & SQL Managed Instances

general-purpose-4

general-purpose-8

Machine Name	OS Version	SQL Edition	SQL Version	AI VM Profile	RS VM Profile	AI-PayG-COS	RS-3yRI-COS	RS-3yRI-C	RS SQL MI Size	SQLM
SRV-DE-DSPACE-P	2012 R2			F2s_v2	F1	162.79	59.03	25.45		
SRV-DE-IIS01-P	2012 R2			F2s_v2	D1	162.79	59.83	26.25		
SRV-DES-06	2012 R2			D2_v3	F2s_v2	183.23	101.66	34.50		
SRV-DE-SQL08-P	2012 R2	Standard	2008	F2s_v2	D1	454.79	351.83	26.25	general-purpose-4	
SRV-DE-SQL17	2016	Enterprise	2017	D4_v3	D2_v3	1,461.46	1,206.08	43.92	general-purpose-4	
SRV-DEV-DES3	2008 R2			D2_v3	F2s_v2	183.23	101.66	34.50		
SRV-DE-WEBPLA-P	2012 R2			F4s_v2	D2_v3	325.58	111.08	43.92		
SRV-MS-APP	2003			F2s_v2	F1	162.79	59.03	25.45		
SRV-MS-APP2	2003			F1	F1	81.03	59.03	25.45		
SRV-MS-APP4	2012 R2			F2s_v2	D2_v3	162.79	111.08	43.92		
SRV-MS-BPM01	2003			F2s_v2	F1	162.79	59.03	25.45		
SRV-MS-CGN2	2008 R2			D4 v3	F4 v3	366.46	288.04	153.72		
Total						52,873.90	26,198.49	5,156.97		5 [*]

10

Storage Profiling (Managed Disks)

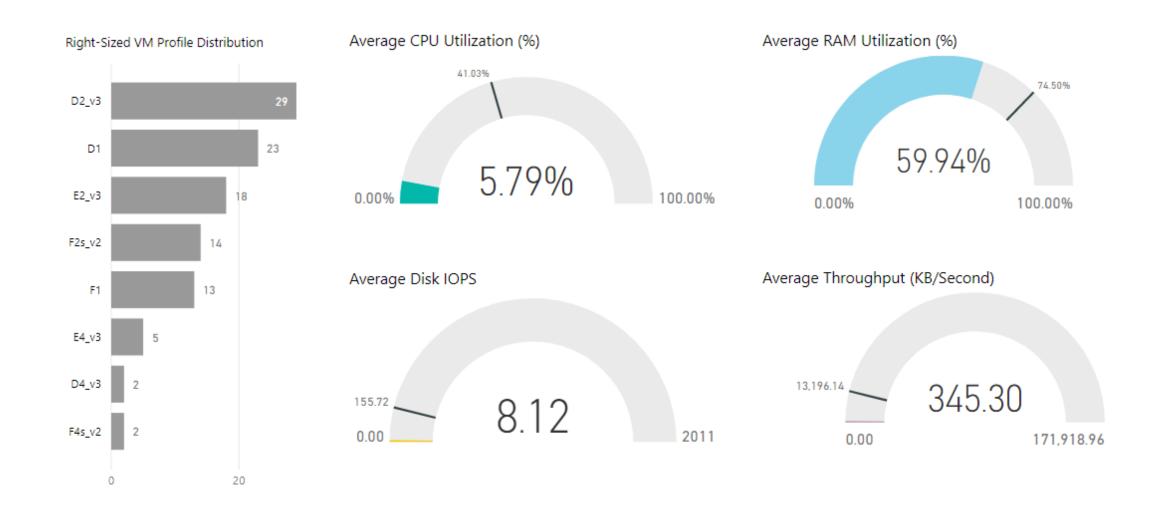
Machine Name	Disk Name	Azure Profile	Price Per Month	Used Space <mark></mark>	
SRV-DE-DSPACE-P	0 C:	premiumssd-p6	17.63	1	
SRV-DE-DSPACE-P	1 D:	premiumssd-p6	17.63	3	
SRV-DE-IIS01-P	0 C:	premiumssd-p6	17.63	3	
SRV-DES-06	0 C:	premiumssd-p10	34.05	7	
SRV-DE-SQL08-P	0 C:	premiumssd-p6	17.63	2	
SRV-DE-SQL08-P	1 D:	premiumssd-p6	17.63	5	
SRV-DE-SQL17	0 C:	premiumssd-p10	34.05	6	
SRV-DE-SQL17	1 D:	premiumssd-p10	34.05	ç	
SRV-DEV-DES3	0 C:	premiumssd-p6	17.63	3	
SRV-DE-WEBPLA-P	0 C:	premiumssd-p10	34.05	2	
SRV-DE-WEBPLA-P	1 D:	premiumssd-p20	126.46	34	
SRV-MS-APP	0 C: N:	premiumssd-p6	17.63	2	
Total			7,356.91	13,48	

Cost Acronyms: AI = As-Is; RS = Right-Sized | PayG = Pay as you go; 1yRI = 1 year Reserved Instances; 3yRI = 3 year Reserved Instances; C = Compute Cost; O = Operating System Cost; S = SQL Cost. (AHUB removes O and S cost) | SQL MI = SQL Managed Instance

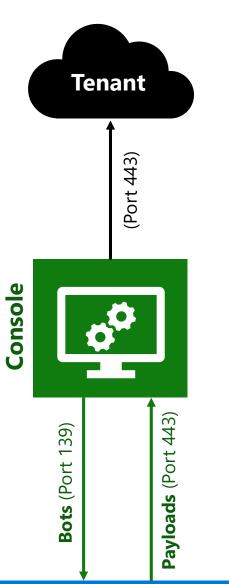
7,356.91 Storage price Per Month (add to Azure VM Cost)



Azure Express: Performance Metrics







Target Devices

Movere Overview

VM for Movere Console (one for each separate datacenter/network):

- Operating System: Windows Server **2012 and above** (recommended).
- .NET Framework 4.7.2. (minimum).
- Joined to domain and connected to AD + Resolves in DNS.
- Port 443 to the internet for upload and download (connecting to 40.86.208.139 (Canada East))

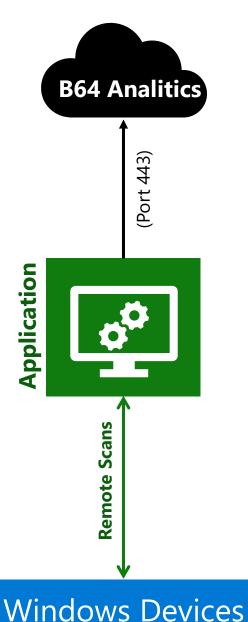
Credentials:

• Windows Service Account: Local Admin on the Windows device(s) to be scanned. Note: depending on scope, SQL Service Account and Linux Service Account might be needed.

Main Ports:

- 443: Download Movere (EXE), upload token used to transmit payloads to cloud.
- 139: Deliver bots (Inventory + ARC), Framework verifier, tokens
- 135: Remote scanning (WMI needs to be enabled on targets)

https://docs.microsoft.com/en-us/movere/console-deployment-requirements



Block 64 (Windows Native Application)

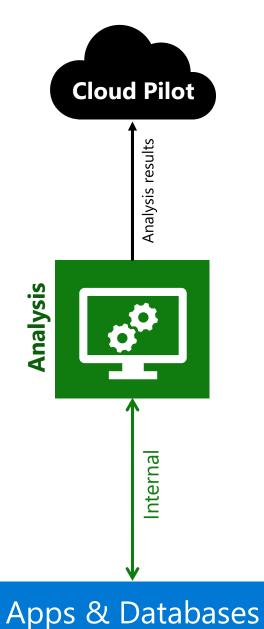
Operating System and Hardware Requirements:

- Recommended: Windows 10 (or Windows Server 2016), 8GB of RAM, CPU w/ 4 cores
- Minimum: Windows 7 (or Windows Server 2008R2), 4GB of RAM, CPU w/ 2 cores

You'll want to have on hand:

- **Network:** All internal networks in scope; CIDR notation or single IP addresses are accepted
- Active Directory: A domain controller per domain in scope; IP address or FQDN formats are accepted
- Windows Inventory: An account that has any two of the following 3 levels of access will accomplish inventory:
 - Access to C\$
 - The ability to run NET RPC / Remote Registry
 - Remote (read-only) WMI
- Virtual Infrastructure: Read-only administrator credentials for each vCenter Server in scope.
- Office 365: Global administrator credentials; used to grant read-only access to Office 365 usage reports, security events, and directory data.

Note: only scans Windows OS, for Linux other options are available (BlockBox).



Cloud Pilot

Deployment Requirements:

- Windows 10 (recommended)
- Data Migration Assistant v4.1
- PowerShell v5 or later
- .NET Framework v4.5

Application Analysis:

- Main Requirement: a folder with the source code of the applications in scope.
- **Platforms:** .NET, Java and PHP apps can be analyzed.

Database Analysis:

- **Main Requirement:** *sysadmin* permissions and connection to the databases in scope.
- Additional Requirements:
 - If Oracle Database is in scope:
 - Strawberry Perl
 - Ora2Pg Tool