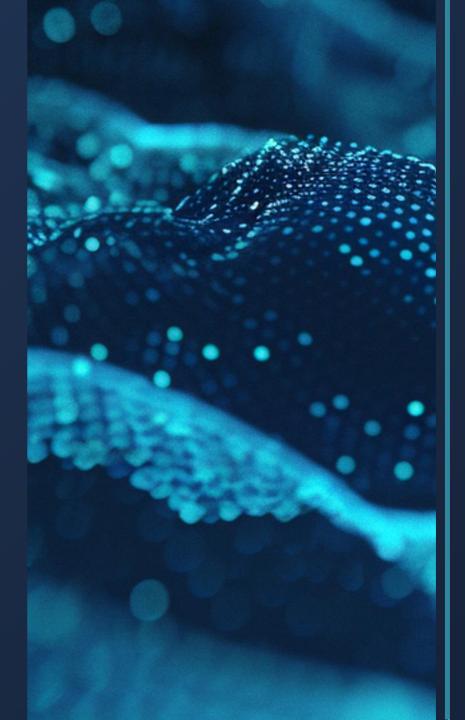


RVTools Insights

Prepared for **Contoso** by: <*Enter Name*>





Contents

Explore immediate and future opportunities

Migration Pathways

Executive Summary

Cost Case

Key Insights

Next Steps



Contoso's VMware Overview





vCenters Scanned

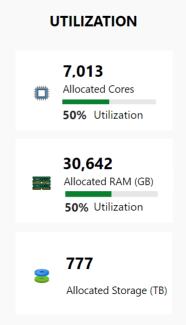


sap_datacenter



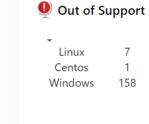




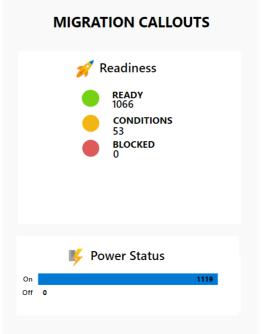




SUPPORT STATUS







Executive Summary -TCO Savings

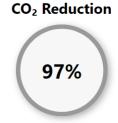












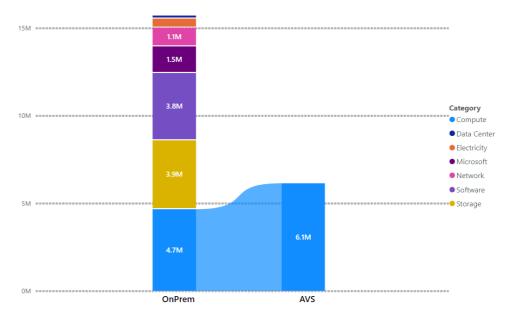
Total Cost of Ownership

Category	On-Premises	AVS
Compute	\$4,658,862.6	\$6,138,462.2
Data Center	\$172,904.2	\$0.0
Electricity	\$521,540.8	\$0.0
Microsoft	\$1,520,321.9	\$0.0
Network	\$1,065,909.3	\$0.0
Software	\$3,838,873.6	\$0.0
Storage	\$3,932,488.8	\$0.0
Total	\$15,710,901.1	\$6,138,462.2

Costing Assumptions

No powered off servers included All servers are assumed to be Production Disaster Recovery is out of scope for this view Backup is out of scope for this view

Cost Transformation



Migration Acceleration Simulation

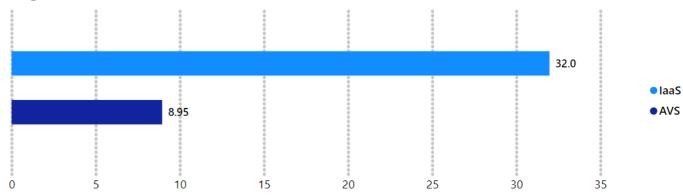
Azure VMWare Services (AVS) allows customers to quicky and efficiently move out of On-Premises VMWare.

Migrate to Azure VMWare \$402.9K Services (AVS) rather than Azure laaS, as this will greatly reduce the number of months needed to migrate from On-Premises VMWare and avoid Broadcom price-hikes.

Estimated Migration Cost **Savings**

Compared to laaS Migration

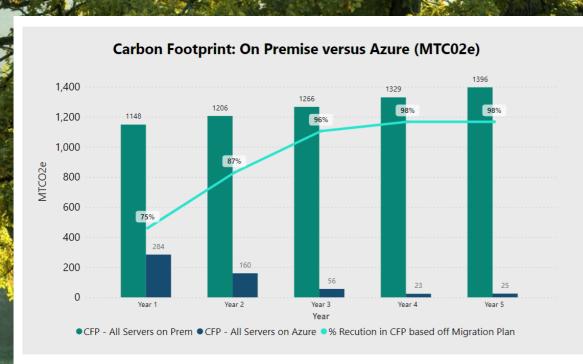
Migration Duration (Weeks) IaaS vs AVS

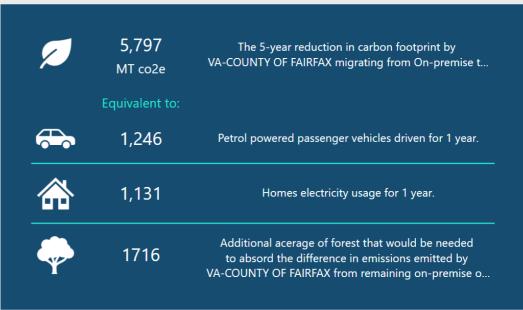


Migration Simulation	On-Premises	AVS	Azure laaS
Time to Complete Rehosting	Never	2.24 months	7.99 months
Estimated Completion Date (03/04/2024 Start Date)	Never	04 Jun 2024	12 Nov 2024

Benefit of AVS o	over IaaS Analysis
	5.76 FTE
Completing the migration using AVS as opposed to Azure laaS can save you up to:	\$402.88K
	5.76 Months

Sustainability Results Based on Scenario 1





Microsoft Sustainability Initiatives

- Microsoft has committed to become carbon negative by 2030, Zero Waste by 2030 and Water Positive by 2030.
- Microsoft is on track to Operate with 100% renewable energy by 2025.
- Microsoft datacenters are sustainable by design.



Scenario 1 All laaS





On Premise Cost \$5.3M

Cloud Hosting Cost \$1.8M

Annual Savings

\$3.5M

Key Operational Benefits









Redundancy





Financial Overview - All laaS

On-Prem Server Workload	Azure Recommendation	Device Count	Compute Cost, Monthly		Total Cost, Monthly	Comments
Production Servers	Azure VM: AHB + 3Yr RI	1119 Servers	\$84,408.3	\$50,763.7	\$135,171.9	
Non-Prod Servers	Azure VM: Azure Dev/Test Pricing	0 Servers				Azure Start/Stop 40 Hrs/Week
Total			\$84,408.3	\$50,763.7	\$135,171.9	
Additional Recommended Workload	Azure Recommendation	Device Count	Base Cost, Monthly	Storage Cost, Monthly	Total Cost, Monthly	Comments
Server Security	Microsoft Defender for Cloud Servers P2	1119 Servers	\$16,337.4	\$0.0	\$16,337.4	Utilize Defender for Cloud to protect 1119 servers at a cost of \$15/Month per Server
Data Backup	Azure Backup Services	0 Servers				Azure Backup Service for 0 Servers



Scenario 2 **Azure VMWare**





On Premise Cost \$5.3M

Cloud Hosting Cost

\$2.2M

Annual Savings

\$3.1M

Key Benefits













Financial Overview - Azure VMWare Solution

On-Prem Server Workload	Azure Recommendation	Device Count	Compute Cost, Monthly	_	Total Cost, Monthly	Comments
VMware-hosted Virtual Machines	Azure VMware Solution - 3Yr RI	1119 Servers	\$170,512.8	\$0.0	\$170,512.8	51x AV36P AVS Nodes (36 cores, 768 GB RAM, 19.2 TB All Flash Storage, each)
Total			\$0.0	\$0.0	\$0.0	
Additional Recommended Workload	Azure Recommendation	Device Count	Base Cost, Monthly	Storage Cost, Monthly	Total Cost, Monthly	Comments
Server Security	Microsoft Defender for Cloud Servers P2	1119 Servers	\$16,337.4	\$0.0	\$16,337.4	Utilize Defender for Cloud to protect 1119 servers at a cost of \$15/Month per Server

Key Technical Insights



Server MigrationReadiness

Each server is assessed for its technical readiness to run in Azure. Servers that are 'Ready' will confidently run in Azure without issues.

Any conditions or blockers per VM are detailed in the online report.

Action

'Ready' to migrate servers represent possible low-hanging fruit that can be moved to Azure without issue.

Explore 'Rapid Migration First Wave Candidates' to find out more.



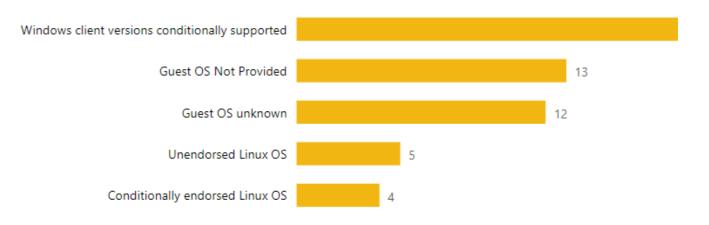








Blocker & Conditions Summary



Right Sizing

Each server's current CPU and memory utilization has been assessed and right-sized to run on optimal Azure virtual machines. The reduction in CPU and memory is reflected in annual cost saving estimates.

Action to Save

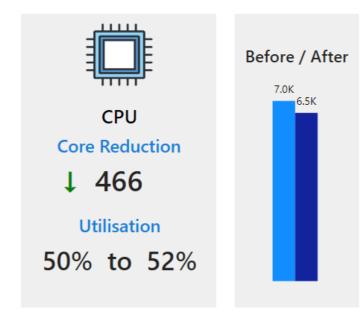
\$227.3K

Right-size to recommended optimized Azure VM when migrating to realize cost savings.

Annual Savings

Additionally review Powered Down and Zombie Servers as potential decommission candidates.

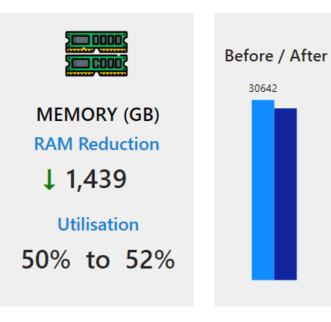
Compared to as-is VMs PAYG



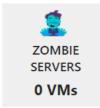
Average Core reduction per server: 0.4



Powered Down virtual machines do not contribute to right-sizing calculations. Power on the machine to collect right sizing recommendations.



Average Memory (GB) reduction per server: 1.3



Zombie Servers are virtual machines with very little to no network connections, implying they may be candidates to decommission.



Out of Support Server Operating Systems

Out of support Operating Systems present security risks & operational issues. Azure provides no-cost extended security updates for many operating systems, providing immediate cost reduction and security enhancement while you work through re-host/re-platform strategies.

Action to Save

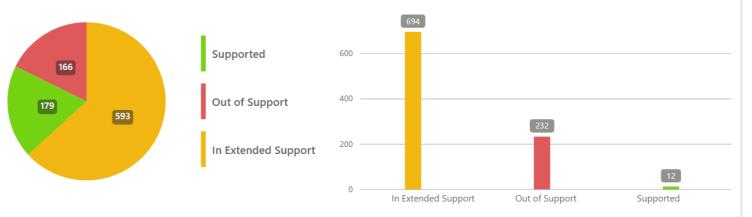
\$241.4K

Annual Savings

Migrate servers to Azure before they go out of support to avoid Extended Security Update costs.

Current Out of Support Summary

OS Going Out of Support by End of 2025



Out of Support OS Version Count + Extended Security Upgrades Costs

Support Status	OS Version	Extended Update Cost •	Azure Cost	Total Count	
	Microsoft Windows Server 2019 (64-bit)	\$134,125	\$0.0	29	5
	Microsoft Windows Server 2016 or later (64-bit)	\$71,263	\$0.0	15	1
	Microsoft Windows Server 2016 (64-bit)	\$36,007	\$0.0	8	86
	卫 CentOS 4/5 (64-bit)	\$0	\$0.0		1
	🦀 CentOS 7 (64-bit)	\$0	\$0.0	4	0
	A Other 3.x Linux (64-bit)	\$0	\$0.0		7



Extended Security Updates

Top Benefits



Latest Updates



Pay as you Go



Reduced Cost

Tool Consolidation



No infrastructure required

Extended Security Updates Pricing Options

Option 1 - Migrate to Azure - Free

Exclusive to Azure, receive free ESUs when workloads are migrated to Azure.



532



Eligible SQL Instances

0

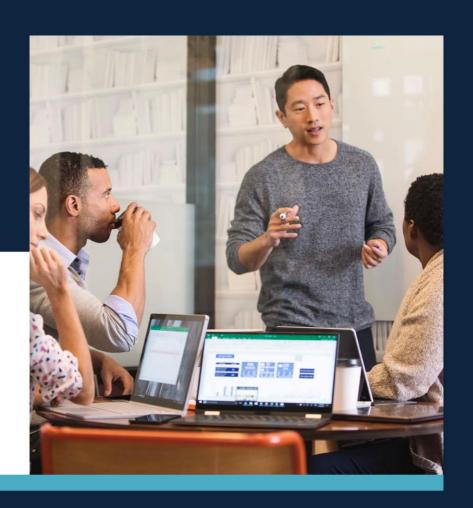
Option 2 - Enable Azure Arc - Priced by cores

	Count	Annual Cost	
Eligible Windows Servers	532	\$241,395	
Eligible SQL Instances	0	\$0	

^{*}Extended Security Updates enabled by Azure Arc also gives more flexibility with a pay-as-you-go subscription model.



Recommendations & Next Steps



Next Steps

Internal huddle on agreeing on value to proceed to next step

Work with your account team to request an Advanced Assessment funded by Microsoft (see next slide for sample)

Deploy Azure Migrate to capture detailed data points allowing for next level planning: App dependency mapping, modernization and consolidation approaches, wave planning.

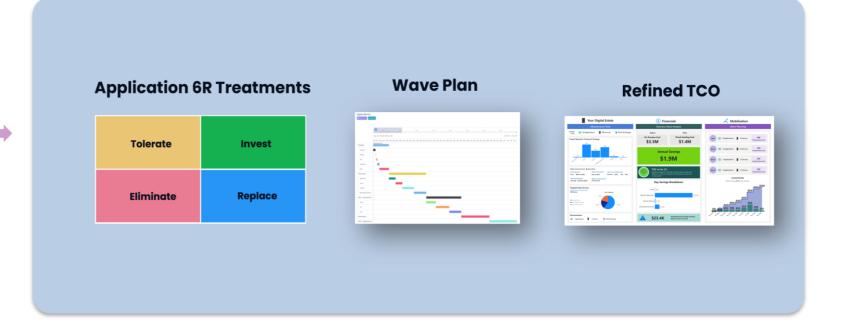
Next Steps

An RVTools import identifies immediate opportunities and pathways to Azure. The next step is to sure up migration plans and the cost case by conducing an Advanced Assessment. It provides customers with clear direction at an application level, 6R migration strategies, wave planning, application sizing, and refined total cost of ownership (TCO) calculations.

Express Assessment

RVTools Import ***Complete** **Complete** **Complete** ***Complete** ***Com

Advanced Assessment







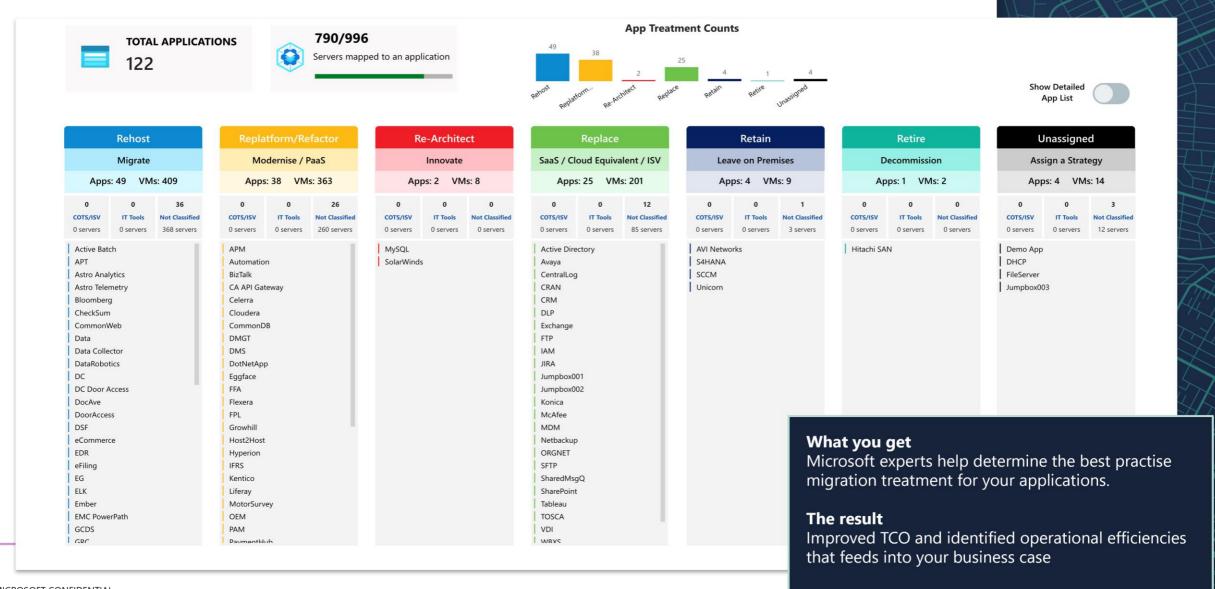
Sample Advanced Assessment Insights

Plan with Confidence



Application Rationalization Overview



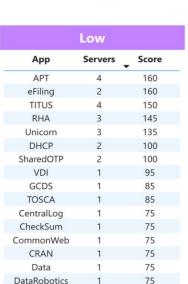


Applications by Complexity Size





19 Apps



75

75

75



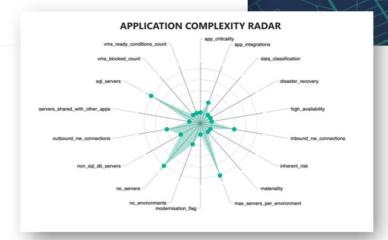
49 Apps

Арр	Servers	Score
Liferay	7	335
J2EE	6	310
Astro Analytics	5	285
Astro Telemetry	5	285
SAP	5	265
Maximus	4	240
PaymentHub	4	240
DSF	5	235
Hyperion	3	235
Tableau	3	235
WLF	5	235
DocAve	3	210
JIRA	4	210
SCCM	3	210
Exchange	4	200
GRC	3	195
Jumpbox003	2	190
Kentico	2	190
MotorSurvey	4	190
Netbackup	2	180



28 Apps

	High	
Арр	Servers	Score
FileServer	10	430
SolarWinds	7	425
PeopleSoft	13	415
Talend	10	380
FTP	9	365
Remedy	11	355
FPL	11	335
APM	12	330
DLP	8	330
OLTC	9	315
IAM	12	300
HSM	7	295
Step	6	290
eCommerce	7	285
TMDS	4	260
REPO	6	240
Reporting	4	240
SOC	7	240
Zabbix	6	240
TDS	6	235



V	ery High	
Арр	Servers	Score
DMS	29	645
PAM	12	610
SSO	23	585
WCMS	14	510
ctive Batch	15	475
RPA	16	475
MDM	18	460
FFA	12	420
CommonDB	8	410
Automation	4	375
DMGT	9	370
CA AF		

What you get

Advanced algorithms size each application based on

The result

Accurate sizing of each application that can be used by your selected partner or internal team to size and cost migration work.

EG

SOAR

Application Wave Planning



Based on application dependencies and known business priorities, a first set of applications have been added to wave groups. The calculated Application Complexity rating has also been used to extrapolate estimated wave duration.

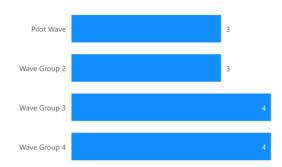
	Pilot	Wave	
	Apps: 6	Servers: 8	
Арр	Servers	Complexity	Treatment
CRAN	1	Low Complexity	Replace
DataRobotics	1	Low Complexity	Rehost
SOAR	1	Low Complexity	Rehost
TOSCA	1	Low Complexity	Replace
VDI	1	Low Complexity	Replace
RHA	3	Low Complexity	Rehost

Treatment
Treatment
Rehost

Wave Group 3				
Apps: 5 Servers: 13				
Арр	Servers	Complexity	Treatment	
OEM	1	Medium Complexity	Replatform/Refa ctor	
Serena	1	Medium Complexity	Replatform/Refa ctor	
WIS	1	Medium Complexity	Replatform/Refa ctor	
MotorSurvey	4	Medium Complexity	Replatform/Refa ctor	
REPO	6	High Complexity	Replatform/Refa ctor	

Wave Group 4					
Apps: 5 Servers: 11					
Арр	Servers	Complexity	Treatment		
HRMobile	1	Medium Complexity	Rehost		
IPAddMgt	1	Medium Complexity	Rehost		
Wizards	1	Medium Complexity	Rehost		
GRC	3	Medium Complexity	Rehost		
CA API Gateway	5	Very High Complexity	Replatform/R efactor		

Estimated Duration (Weeks)



Estimated Savings (Annual)



Estimated Azure Hosting Cost (Annual)

What you get

Applications will be organized into logical wave groups.

The result

You have an actionable starting wave plan, that can be tailored based on your business priorities **Tailored Plan**

SAMPLE



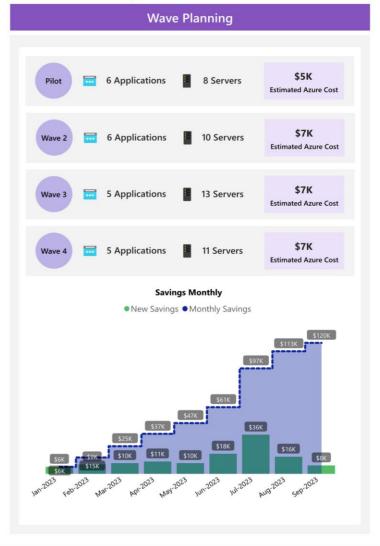


\$23.4K

Potential annual savings moving

Retain servers to Azure

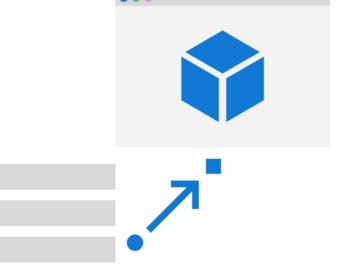




Migration factory

Rapid migration from on-premises Windows & SQL to laaS/AVS & PaaS

- Microsoft has an offering for our customers to provide zero-cost Migration of Windows & SQL Server to Azure (PaaS or laaS).
- Migrations can be typically be completed within 2-4 weeks.
- SQL Server databases that are ready to migrate and do not require any refactoring/rewrite are good candidates for this offer.
- If you have additional questions or want to learn more, please engage your Customer Success Account Manager, Microsoft Account Team, and/or send an email to: CSU migrationfactory@microsoft.com



Accelerate your cloud journey with confidence through the Microsoft Migration Factory Program

Account Team Nomination

SMF Triage

Migration and Modernization

Work with your CSAM/Account Team to connect with the CSU Migration Factory.

Connect with the CSU Migration Factory engineers to determine how they can help.

Execute deployment with the **Migration**Factory Program through **Microsoft** at zero-cost.



Thank You!