

SmiKar's Carbon: Automating the Migration from Azure Back to On-Premise Environments

Carbon automates cloud repatriation from Azure to VMware and Hyper-V, enabling fast, efficient migrations in just a few clicks.

MELBOURNE, VIC, AUSTRALIA, October 1, 2024 /EINPresswire.com/ -- SmiKar Software, a company that has been providing innovative IT solutions for nearly 10 years, is excited to announce [Carbon](#), a powerful solution designed to automate the [cloud repatriation](#) of virtual machines and workloads from Microsoft Azure back to on-premise environments like [VMware and Hyper-V](#) (with or without SCVMM). As more organizations are reassessing their cloud strategies, many are choosing to migrate back to on-premise data centers, and Carbon makes this process effortless.

Cloud repatriation—the process of moving workloads from the cloud back to on-premise

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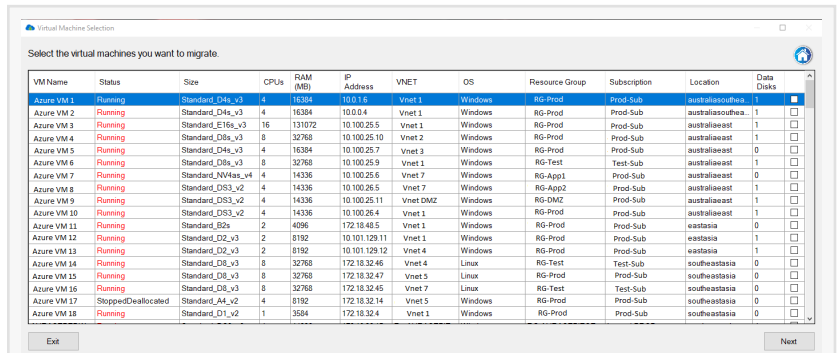
Carbon is the ideal solution for businesses looking to automate and simplify their migration from Azure to on-premise environments, reducing costs and complexity.”

Mark Smith

infrastructure—can often be complex, time-consuming, and costly. However, Carbon simplifies and automates this migration, enabling IT teams to quickly and efficiently move their virtual machines from Azure back to VMware or Hyper-V environments in just a few clicks. By automating the steps required to download and restore Azure VMs on-premise, Carbon reduces the manual effort and risks typically associated with cloud-to-on-premise transitions.

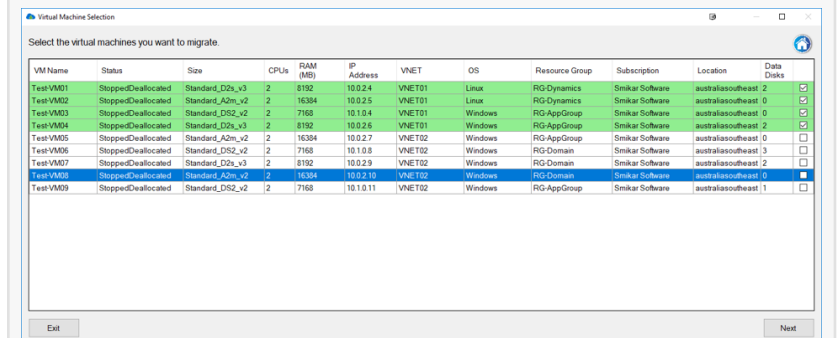
Recent Updates to Carbon

The latest updates to Carbon have increased throughput



VM Name	Status	Size	CPUs	RAM (MB)	IP Address	VNET	OS	Resource Group	Subscription	Location	Data Disks
Azure VM 1	Running	Standard_D4s_v3	4	16384	10.0.0.4	Vnet1	Windows	RG-Prod	Prod-Sub	australiasoutheast	1
Azure VM 2	Running	Standard_D4s_v3	4	16384	10.0.0.4	Vnet1	Windows	RG-Prod	Prod-Sub	australiasoutheast	1
Azure VM 3	Running	Standard_E16s_v3	16	131072	10.100.25.5	Vnet2	Windows	RG-Prod	Prod-Sub	australiaeast	1
Azure VM 4	Running	Standard_D8s_v3	8	32768	10.100.25.10	Vnet2	Windows	RG-Prod	Prod-Sub	australiaeast	1
Azure VM 5	Running	Standard_D4s_v3	4	16384	10.100.25.7	Vnet3	Windows	RG-Prod	Prod-Sub	australiaeast	0
Azure VM 6	Running	Standard_D8s_v3	8	32768	10.100.25.9	Vnet1	Windows	RG-Test	Test-Sub	australiaeast	1
Azure VM 7	Running	Standard_NV4as_v4	4	14336	10.100.25.6	Vnet7	Windows	RG-App1	Prod-Sub	australiaeast	0
Azure VM 8	Running	Standard_DS3_v2	4	14336	10.100.26.5	Vnet7	Windows	RG-App2	Prod-Sub	australiaeast	1
Azure VM 9	Running	Standard_DS3_v2	4	14336	10.100.25.11	Vnet DMZ	Windows	RG-DMZ	Prod-Sub	australiaeast	1
Azure VM 10	Running	Standard_DS3_v2	4	14336	10.100.26.4	Vnet1	Windows	RG-Prod	Prod-Sub	australiaeast	1
Azure VM 11	Running	Standard_B0s	2	4096	172.18.48.5	Vnet1	Windows	RG-Prod	Prod-Sub	eastasia	0
Azure VM 12	Running	Standard_D2s_v3	2	8192	10.101.129.11	Vnet1	Windows	RG-Prod	Prod-Sub	eastasia	1
Azure VM 13	Running	Standard_D2s_v3	2	8192	10.101.129.12	Vnet4	Windows	RG-Prod	Prod-Sub	eastasia	1
Azure VM 14	Running	Standard_D8s_v3	8	32768	172.18.32.46	Vnet4	Linux	RG-Test	Test-Sub	southeastasia	0
Azure VM 15	Running	Standard_D8s_v3	8	32768	172.18.32.47	Vnet5	Linux	RG-Prod	Prod-Sub	southeastasia	0
Azure VM 16	Running	Standard_D8s_v3	8	32768	172.18.32.45	Vnet7	Linux	RG-Test	Test-Sub	southeastasia	0
Azure VM 17	StoppedDeallocated	Standard_A4_v2	4	8192	172.18.32.14	Vnet5	Windows	RG-Prod	Prod-Sub	southeastasia	0
Azure VM 18	Running	Standard_D1_v2	1	3584	172.18.32.4	Vnet1	Windows	RG-Prod	Prod-Sub	southeastasia	0

Carbon - Azure VMs

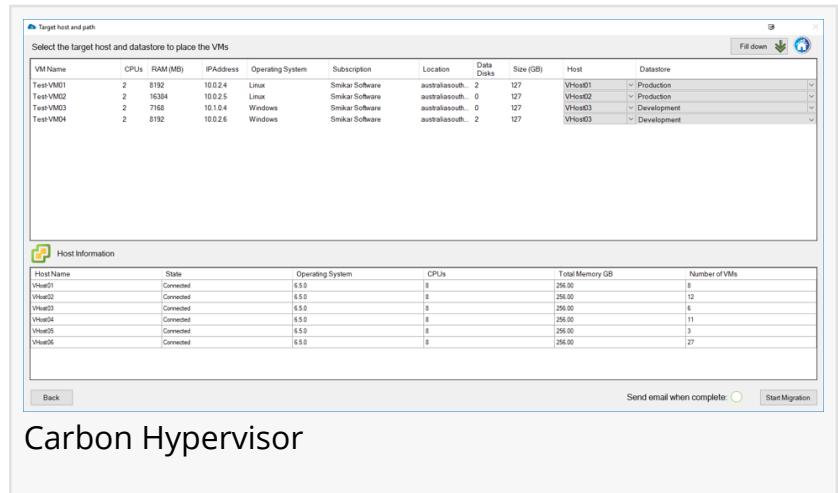


VM Name	Status	Size	CPUs	RAM (MB)	IP Address	VNET	OS	Resource Group	Subscription	Location	Data Disks
Test VM01	StoppedDeallocated	Standard_D2s_v3	2	8192	10.0.2.4	VNET01	Linux	RG-Dynamics	SmiKar Software	australiasoutheast	2
Test VM02	StoppedDeallocated	Standard_A2m_v2	2	16384	10.0.2.5	VNET01	Linux	RG-Dynamics	SmiKar Software	australiasoutheast	0
Test VM03	StoppedDeallocated	Standard_DS2_v2	2	7168	10.0.1.4	VNET01	Windows	RG-AppGroup	SmiKar Software	australiasoutheast	0
Test VM04	StoppedDeallocated	Standard_D2s_v3	2	8192	10.0.2.6	VNET01	Windows	RG-AppGroup	SmiKar Software	australiasoutheast	2
Test VM05	StoppedDeallocated	Standard_A2m_v2	2	16384	10.0.2.7	VNET02	Windows	RG-AppGroup	SmiKar Software	australiasoutheast	0
Test VM06	StoppedDeallocated	Standard_DS2_v2	2	7168	10.0.0.8	VNET02	Windows	RG-Domain	SmiKar Software	australiasoutheast	3
Test VM07	StoppedDeallocated	Standard_D2s_v3	2	8192	10.0.2.9	VNET02	Windows	RG-Domain	SmiKar Software	australiasoutheast	2
Test VM08	StoppedDeallocated	Standard_A2m_v2	2	16384	10.0.2.0	VNET02	Windows	RG-Domain	SmiKar Software	australiasoutheast	0
Test VM09	StoppedDeallocated	Standard_DS2_v2	2	7168	10.0.1.11	VNET02	Windows	RG-AppGroup	SmiKar Software	australiasoutheast	1

Carbon - VM Details

and now include compression, allowing for easier, faster migrations of multiple virtual machines simultaneously. These enhancements help streamline cloud repatriation, reducing downtime and minimizing disruptions for businesses seeking to regain control of their infrastructure.

Why are organizations migrating back to on-premise?



Carbon Hypervisor

In recent years, many organizations moved their workloads to the cloud for scalability and flexibility. However, rising cloud costs, concerns about data sovereignty, and the need for enhanced control over critical infrastructure have prompted many companies to pursue cloud repatriation. Carbon is designed to address these needs by automating the process, making it easier for businesses to return to their on-premise environments with minimal friction.

Key Features of Carbon:

Seamless Automation: Carbon automates the migration of virtual machines from Azure back to VMware or Hyper-V (with or without SCVMM), ensuring that the process is quick, efficient, and error-free.

Download Azure VMs: Using Carbon's automation process, IT teams can download and migrate their Azure virtual machines with just a few clicks and minimal manual intervention.

Increased Throughput and Compression: Carbon now supports increased throughput and compression, enabling easier and faster migrations of multiple VMs simultaneously.

Cost Reduction: By facilitating a smooth migration, organizations can reduce ongoing Azure cloud costs while bringing critical workloads back under local control.

Data Sovereignty and Compliance: As businesses navigate evolving data regulations, having on-premise infrastructure can provide greater control over data location and compliance with jurisdiction-specific rules.

Mark Smith, CEO of SmiKar, commented: "As the demand for cloud repatriation grows, more businesses are looking to migrate back from Azure to on-premise environments like VMware and Hyper-V. Whether it's due to rising cloud costs, compliance needs, or strategic considerations, Carbon is the ideal solution for automating and simplifying this migration process. Our latest updates further enhance the tool's ability to streamline these transitions."

To learn more about how Carbon can assist in automating your cloud repatriation from Azure to VMware or Hyper-V, visit www.smikar.com.

About SmiKar

With nearly a decade of experience, SmiKar develops innovative software solutions that help organizations manage their cloud and on-premise environments more efficiently. With products like Carbon, Squirrel, SharePoint Storage Explorer, Snapshot Master, and Cloud Storage Manager, SmiKar is committed to delivering tools that enhance IT operations and reduce costs.

Mark Smith

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