

Agenda



Veeam Kasten

Veeam Backup for Microsoft Azure v2

Conclusion

VEEAM kasten



Kubernetes backup and application mobility





Multi-workloads Traditional & containerized



Multi-cloud OnPrem and/or in-Cloud

Support workloads running on bare metal, virtual machines and cloud-native platforms – at scale

Support multiple clouds, hypervisors, operating systems and Kubernetes distributions

Veeam + Kasten = the whole story



Multi-data services Application aware



Multi-vendor No lock-in

Support software as a service (SaaS), managed services, relational database, NoSQL systems and more

Agnostic with special integrations including VMware, Dell EMC, HPE, NetApp, Pure, Amazon, Google, Microsoft

Infra-centric data management



scales poorly and leaves data exposed

Use existing VM-level data protection solutions

- Data-store snapshots
- X Limited recovery options
- Weak consistency
- X Complex restore procedure

Let me put together a "quick" script

- Tailored to application
- More complex than expected
- X Often tied to infrastructure
- X Difficult to maintain

My storage overlay does backups & migration

- No fault isolation
- X Lowest common denominator
- X 2X management complexity
- X Performance cost for overlays

Kasten K10



kubernetes backup and mobility made easy





Application Discovery



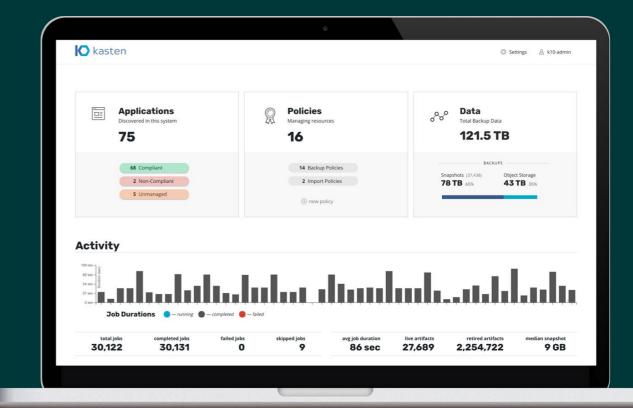
Policy-driven Automation



Ease of Use, Simple UX



End-to-End Security



Data Protection and Mobility for Kubernetes





Backup & Recovery



Application Mobility



Disaster Recovery



Multi & Hybrid Cloud



Polyglot Persistence



Multi-Tenancy RBAC

Unique platform approach:



application-centric data management

Introducing



Software-Only, Easy-to-Use, Secure Data Management for Cloud-Native Applications



Simplifies compliance management Enables policy-based automation Provides global visibility

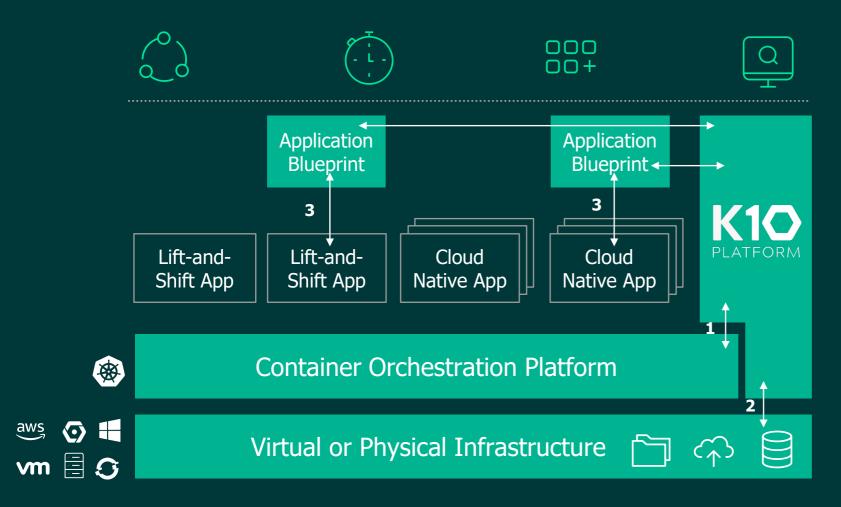


Simplifies compliance management Enables policy-based automation Provides global visibility

K10 architecture

BECHTLE

a high-level overview



Orchestrator APIs

Uses Kubernetes API to discover applications and underlying components and perform lifecycle operations

2 Infrastructure APIs

No proprietary storage layer. Integration with infrastructure specific APIs for:

Block storage provider - Snapshot functionality, snapshot and block copy

Object/file provider - S3-compatible object store or other file storage like NFS for artifacts

3 Application Framework

Optional agentless application-centric hooks can be invoked by easy-to-use blueprints

k10 for kubernetes data management



battle hardened for day 2 operations





Built for kubernetes

Simplifies platform complexity. Helps scale DevOps teams.



Easy to use

Quick to deploy on-prem and in the cloud. API-First. State-of-the-art UI and UX.



End-to-end security

Enterprise-grade encryption, KMS, IAM, RBAC, Authentication (e.g., OIDC)

Global 10 Customer: Financial Services Use Case: Backup and Disaster Recovery

k10 for kubernetes data management



battle hardened for day 2 scale









	ceph	AWS EBS
Component (subse	t)	
Pods (1,380 worklo	oads)	
Secrets		
Services		
	Pods (1,380 worklo	Component (subset) Pods (1,380 workloads) Secrets

3,166	Secrets
1,411	Services
3,483	Image Information
768	Service Accounts
915	Configuration
3,484	Role Bindings
5,137	Other Components
18,393	Total (average 112/app)

Sopra Steria: Top 3 French IT Firm Use Case: Backup and Migration



Devops targeted

Helps scale DevOps teams. 700 dev:2 ops ratio



App mobility

Large migration across clusters (OCP 3.x to 4.x). Diverse stack (incld. Cobol).



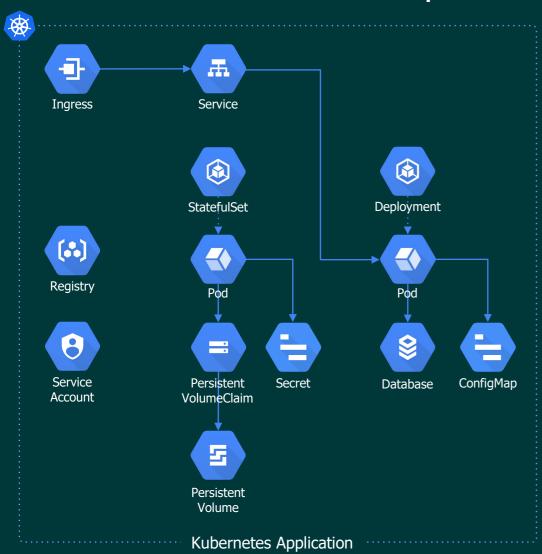
Easy to use

Quick to deploy on-prem and in the cloud. API-First. Stateof-the-art UI and UX.

Focus on complete application



kubernetes resources and persistent state



Applications as the operational unit

Automatic and complete application capture

Consistent data and application resources capture Namespaced objects + non-namespaced dependencies

Abstract underlying infrastructure

Seamless support for storage and data services within and across clusters, regions, and clouds

Perform coordinated operations

Proper sequencing of resource and data operations Meaningful applications cannot be restored as-is



K10

PLATFORM

Data

Management

Platform

Data Services











Distributions



















Container Orchestration













S3 Compatible













AWS EBS

Kasten K10 and Veeam Availability Suite



Span all enterprise data protection requirements

Data Services











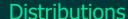
























Container Orchestration



kubernetes

Data Management **Platform**

Storage Infrastructure





















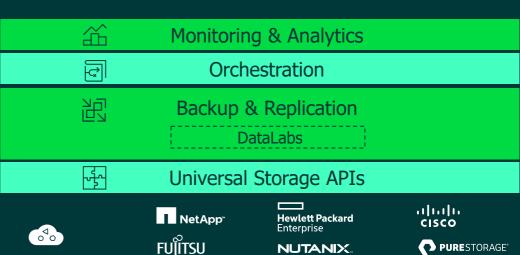
Azure Blob S3 Compatible

ceph

AWS EBS

Object Storage





EXAGRID

DCLLEMC

Moving forward





Information

E-book - 7 Critical Reasons for Kubernetes

Additional Resources – <u>www.kasten.io/resources</u>
Weekly Demo: https://us02web.zoom.us/s/85354560054



Engage

Schedule a Demo with your Account Team



Deploy

Test Pilot Kasten for Free





VEEAM

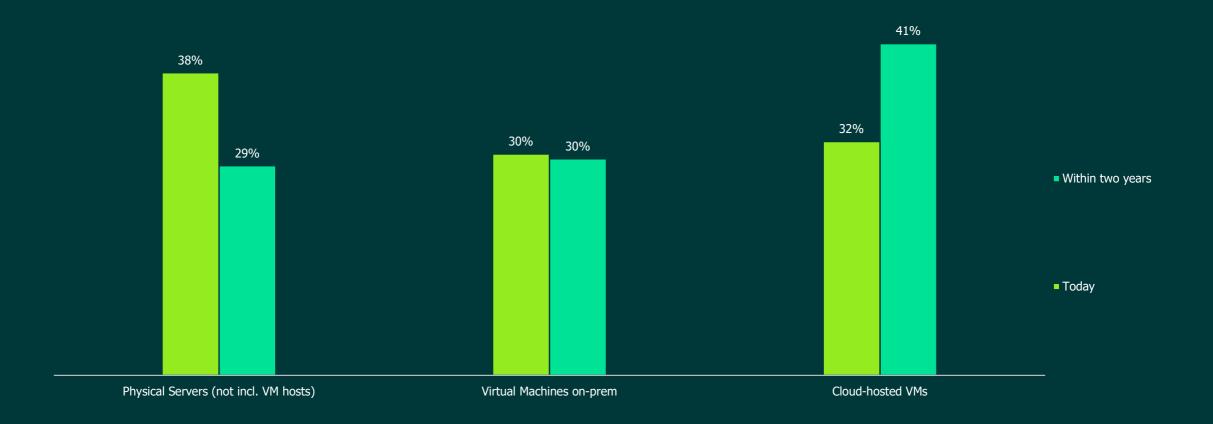


Veeam Backup for Microsoft Azure v2

The changing landscape



Approximately what percentage of your organization's servers are in each of the following three formats currently? What do you anticipate the percentage will be in two years' time?



Azure-native backup and recovery





Veeam Backup for Microsoft Azure



Veeam Backup & Replication





Reliable backup and recovery Azure-native design



Secure and compliant protection Secure architecture



Actualize cloud savings
Greater cost control



Hybrid-cloud ready
Common control plane



Features





Azure-native

Backup and recover Azure VMs with purpose-built tools that don't require agents





Policy-based automation

Automate Azure snapshots and backups with fully customizable policies and scheduling





Application consistency

Capture all running application data for zero data loss backup and recovery on Windows and Linux in Ven





Fast, flexible recovery

From entire VMs and volumes to individual files and folders, recover in as little as seconds





Backup cost calculation

Proactively avoid unexpected expenses and cloud overspend with industry first backup cost calculation





Low-cost tiering

Automatically tier backup to hot and cool Azure Blob tiers for cost-effective long-term retention and compliance







Multi-subscription

Easily scale and manage the protection of all workloads across your Azure subscriptions







Cross-subscription/region

Secure against internal and external threats like ransomware by isolating backup data from production





RESTful API

Integrate, automate and manage Azure backup and recovery workloads with other apps in your tech stack





Mobilize your data

Seamlessly move your apps and data to, from and across Azure and other private and public cloud platforms







Hybrid made easy

Unify Azure data protection and management with all hybrid- and multi-cloud data from a common control plane¹

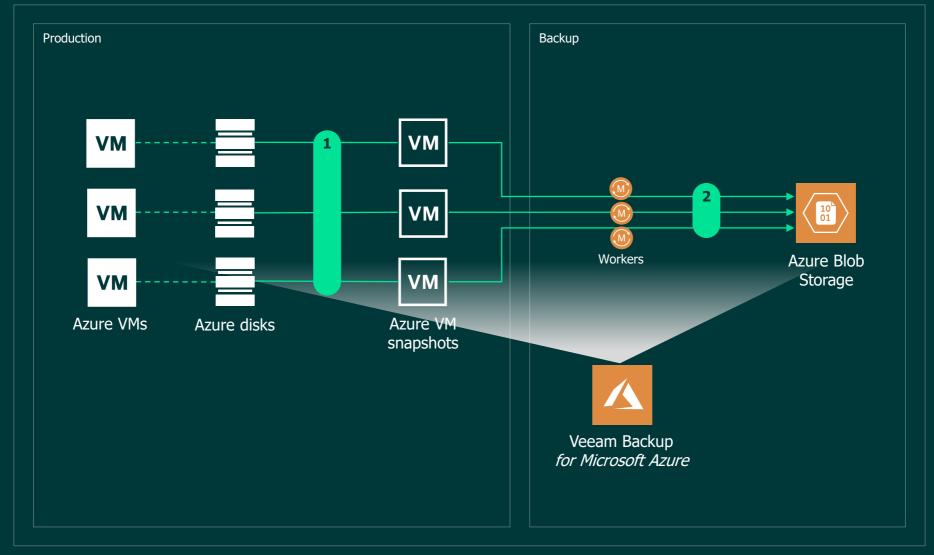
¹ When combined with Veeam Backup & Replication v11 or later



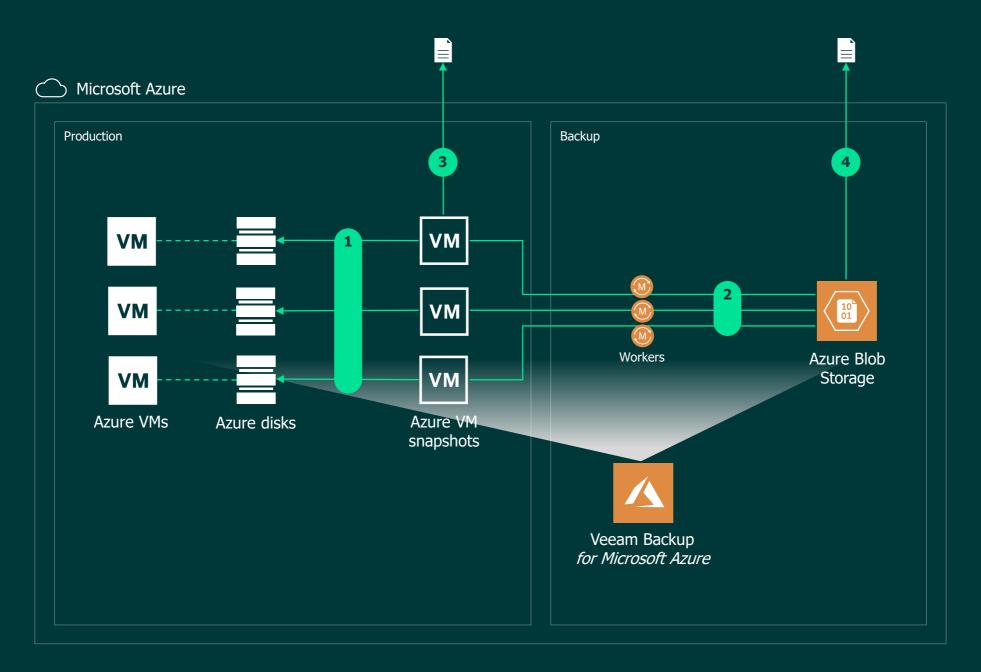
How it works



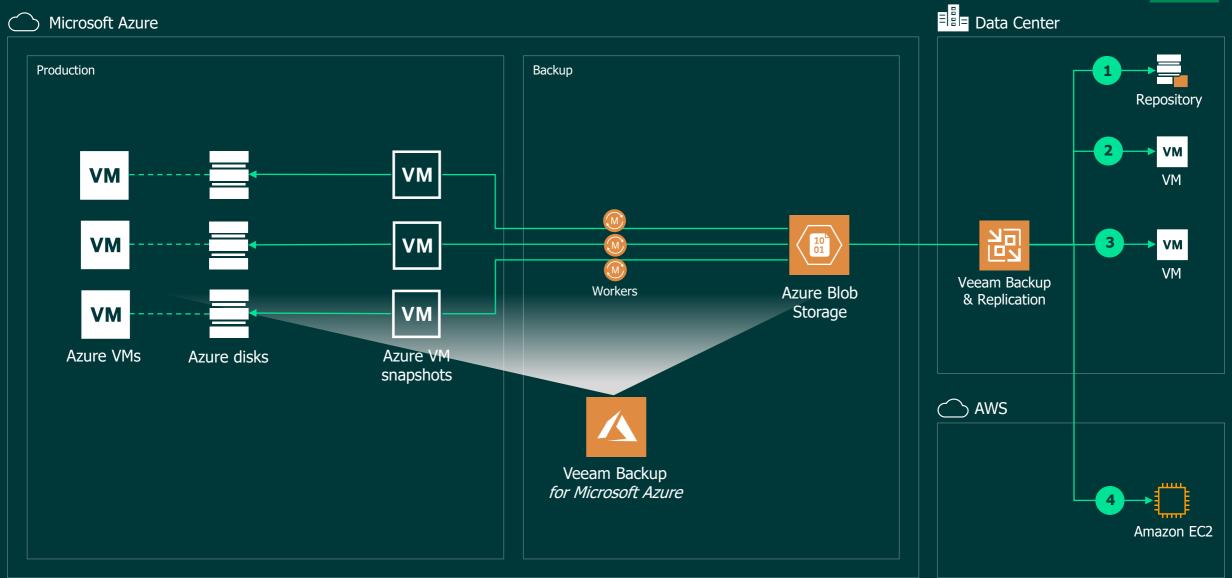
Microsoft Azure











Roadmap / Sneak Peek v3



Azure SQL "Backup"

Archive Tier Support

RBAC

Single-Sign On



Bechtle Suisse SA – en Romandie

>250

EMPLOYES

+65

SUISSE ROMANDE

BUSINESS UNITS

PROFESSIONAL SERVICES **MANAGED SERVICES DATA & ANALYTICS SKILLS MANAGEMENT**

>300 CLIENTS en Suisse Romande >20

PARTENAIRES

Top-level certifications

■ CITRIX

■ NINTEX

■ CISCO

■ POWELL

■ DELL

■ TRENDMICRO

■ FORTINET

■ VEEAM

■ HPE

■ VMWARE

■ MICROSOFT

CONSEILS PERSONNALISES

20

ANNEES D' EXPERIENCE

ORGANISATION CENTRALE **AVEC SPOC**

PME, **ENTERPRISE ET PUBLIC**

> **PLAN BUILD** RUN

NOS PROPRES DATA CENTERS

+500 PROJETS / AN

