

## WEB WERKS VMX KARBON

Enterprise Kubernetes Made Simple.

With Karbon running on Web Werks VMX's Enterprise Cloud Platform, IT operations can deliver a production-ready Kubernetes environment on premises with push-button simplicity while preserving a native user experience. With Karbon running on Web Werks VMX's Enterprise Cloud Platform, IT operations can deliver a production-ready Kubernetes environment on premises with push-button simplicity while preserving a native user experience.

### BENEFITS

#### Simple

- 20 Minutes to deploy production ready Kubernetes clusters
- Public cloud-like operations, on premises
- Automated scaling and upgrades
- Expert technical support covers the entire stack

#### Complete Solution

- Seamlessly integrates Kubernetes monitoring, logging, and alerting
- Integrated CSI delivers persistent block and file storage Complete Solution

#### No lock-in

- Native Kubernetes user experience with open APIs

## MANAGED ENTERPRISE KUBERNETES WITH WEB WERKS VMX KARBON

Karbon is Web Werks VMX's enterprise Kubernetes management solution that enables turnkey provisioning, operations, and lifecycle management of Kubernetes. Unlike other Kubernetes solutions, Karbon integrates seamlessly with the entire Web

Organizations are rapidly adopting Kubernetes as they undertake large-scale digital transformation projects aimed at improving business agility. While software developers speed ahead leveraging containers, micro services architecture, and cloud-native technologies, IT operations becomes a roadblock as it struggles to deploy and manage the required on-premises Kubernetes infrastructure.

Why? Kubernetes is as complex as it is powerful. Few organizations have the expertise or IT resources to build and manage their own production-ready Kubernetes environments. Kubernetes presents major challenges across cluster configuration, persistent storage, availability, and life cycle management that can take weeks—even months—to solve. On top of that, Kubernetes evolves rapidly with each release.

Most commercially-available managed Kubernetes solutions are expensive and involve proprietary elements which impact application portability and choice in multi-cloud contexts. In order to fully capitalize on the scalability, agility, and speed-to-market advantages that Kubernetes offers, enterprises need a solution that is simple to operate while preserving the native Kubernetes experience.

Werks VMX cloud-native stack, and dramatically simplifies Kubernetes without vendor lock-in. For Web Werks VMX customers, Karbon is included in all AOS software editions.

### Deploy production-ready, multi-master Kubernetes clusters in only a few clicks

Automatically configure and deploy your Kubernetes clusters for high availability (with or without an external load balancer) through a simple, streamlined workflow.

### Scale seamlessly, without limit

Add Kubernetes worker nodes with a single click. When additional physical resources are needed, expanding the cluster is just as simple.

### Monitor, log, and get alerts

Karbon integrates best-in-class open-source tools for cluster monitoring, logging, and alerting. Prometheus, ElasticSearch, Fluent Bit, and Kibana (EFK stack) are deployed on every cluster.

### Easily configure persistent storage

Every Karbon Kubernetes cluster is deployed with Web Werks VMX's full-featured CSI driver, which natively integrates with Web Werks VMX Volumes and Web Werks VMX Files to easily provide persistent storage for containerized applications. Web Werks VMX Supports persistent volume Read-Write-Once (Web Werks VMX Volumes & Web Werks VMX Files) and Read-Write-Many (Web Werks VMX Files only) access modes. S3-compatible storage is also easy to set up with Web Werks VMX Objects.

### Upgrade nodes and Kubernetes versions without downtime

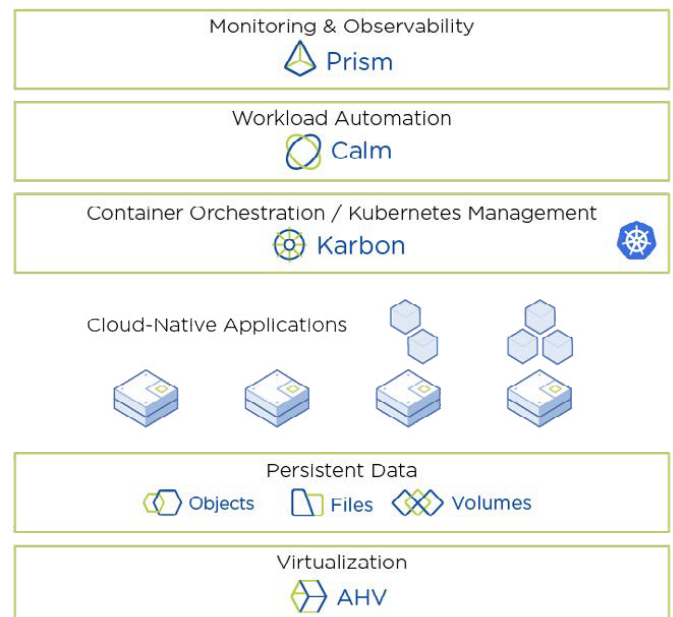
Streamline node operating system patching and upgrade Kubernetes to the latest version with no disruption to production applications.

### Get expert full-stack support from a proven vendor

Easily get to the bottom of any technical issue. Web Werks VMX is your single source of technical support for the entire Cloud Native Platform.

## BUILD AN END-TO-END CLOUD NATIVE STACK

Karbon is a foundational component of the Web Werks VMX Cloud Native Platform. Through Web Werks VMX's Cloud Native offerings, companies will be able to take advantage of simple, reliable on-premises tooling and automation required for fast development and continuous integration and continuous delivery (CI/CD) of scale-out applications for a cloud-like Kubernetes experience on premises. In addition to simple and fast deployment of Kubernetes with Karbon, customers can leverage Volumes & Files for adding high-performance storage, Objects for S3-compatible backups, and Era for database provisioning and lifecycle management. For those in the process of planning their cloud native strategy, connect with Web Werks VMX for a deep dive into Karbon and our cloud native solutions to understand how to simplify Kubernetes deployments and your entire IT infrastructure and application stack—both on premises and in the cloud.



Web Werks VMX AHV