nebulon

why **smart**Infrastructure for Kubernetes?

accelerate containerized application delivery for your Kubernetes deployment, day 1 to day n
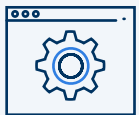
put your Kubernetes admins in the drivers seat with self-service infrastructure provisioning in under 15 minutes

control relevant aspects of your data plane through a native API that works consistently at scale
through an API-first approach to storage with the nebulon CSI driver

build a fully-functional Kubernetes deployment in 15 minutes
with powerful automation capabilities that seamlessly integrate with Ansible and Helm to deploy production-ready Kubernetes clusters with on-prem compute and storage

fully automate everyday storage requests, so you can stop wasting time on minor tasks
with nebulon's CSI driver's lightweight integration into native K8s tools, Kubernetes owners are able to provision their own data services

enjoy the benefits of simplified, on-going Kubernetes infrastructure maintenance with the nebulon cloud control plane

relieve the burden of dealing with the storage subsystems
that are tedious to manage and require specialized expertise to maintain

enjoy true automated maintenance across your entire storage deployments
including monitoring, issue resolution, performance and capacity optimizations

tap into deep insights and analytics at the data layer
which helps enterprises identify, resolve and prevent (with AIOps) issues

upgrade your data plane and drive firmware with simple "one click upgrades."
ensures your infrastructure is free from vulnerabilities from software issues and the latest enhancements are easily accessible

flexible as the needs of your data center and can be easily accommodated for other data center applications

take the guesswork out of provisioning storage and server resources to a variety of applications
with a catalog of preconfigured application templates

need to change your workload? It's now a breeze.
nebulon's ability to publish user-defined boot volumes and images in the application template makes it easy to change applications when and where you need to

with **smartInfrastructure**, roll out new environments consistently with a set of pre-defined application templates

configure Kubernetes baseline environments rapidly, reliably, and consistently with specific application templates

build 10, 20, 30+ consistent Kubernetes deployments
a set of pre-defined application templates, that ensure your product teams are using approved operating systems, with patch levels and configuration that your IT team can easily support and doesn't slow down your developers
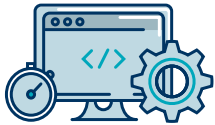
switch environments easily

with boot drive image access, switching environments is as easy as 1-2-3
simply delete you nPod & change the application template. With SANs lack of boot drive image access, changing environments is cumbersome as it forces you to reinstall the OS with a new OS and then provision a specific storage volume

what is **smart**Infrastructure?

nebulon **smart**Infrastructure is server-embedded, infrastructure software delivered as-a-service, which offers the benefits of the public cloud on-premises, from core to edge for any application—containerized, virtualized or bare-metal

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RAPID TIME-TO-VALUE
rapid composability for virtualized, containerized & bare metal applications from core to the edge

DELIVERS CLOUD-LIKE OPERATIONS
AI-assisted and API-first infrastructure management delivered as-a-service

COST-EFFICIENT
avoiding HCI improves app server density up to 33%; avoiding external storage reduces costs up to 50%

FUTURE-PROOFED
protect your investments with flexible infrastructure both now and in the future

NO NEW VENDOR REQUIRED
smartInfrastructure comes as a standard option from your favorite server vendor

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