

• n: Not yet impleme	ented				
x: Not applicable /  Keys	no 1-1	V2	v3	Kubernetes / OpenShift	Notes
ouild	<b>✓</b>	<b>✓</b>	<b>✓</b>		Builds/Pushes to Docker repository. See <u>use</u> guide on build and push image
uild: context	<b>/</b>	<b>V</b>	<b>/</b>		
uild: dockerfile uild: args	n	n	n		
uild: cache_from	-	-	n		
ap_add	<b>/</b>	<b>V</b>	<b>/</b>	Container.SecurityContext.Capabilities.Add	
ap_drop ommand	✓ ✓	✓ ✓	✓ ✓	Container.SecurityContext.Capabilities.Drop  Container.Args	
onfigs	n	n	<b>✓</b>		
onfigs: short- yntax	n	n	<b>✓</b>		Only create configMap
onfigs: long-	n	n	<b>✓</b>		If target path is /, ignore this and only create
yntax					ConfigMap  Not supported within Kubernetes. See issue
group_parent	X	X	X	Matadata Nama	kubernetes/kubernetes#11986
ontainer_name	<b>✓</b>	<b>✓</b>	<b>✓</b>	Metadata.Name + Deployment.Spec.Containers.Name	
redential_spec	X	X	X		Only applicable to Windows containers
eploy eploy: mode	-	-	✓ ✓		
eploy: replicas	_	-	<b>~</b>	Deployment.Spec.Replicas /	
eploy: placement	-	-	<b>✓</b>	DeploymentConfig.Spec.Replicas  Affinity	
eploy:	-	-	<b>~</b>	Workload.Spec.Strategy	Deployment / DeploymentConfig
pdate_config				Containers.Resources.Limits.Memory /	
eploy: resources	-	-	<b>✓</b>	Containers.Resources.Limits.CPU	Support for memory as well as cpu
eploy: estart_policy	-	-	<b>✓</b>	Pod generation	This generated a Pod, see the <u>user guide or</u> <u>restart</u>
eploy: labels	-	-	<b>✓</b>	Workload.Metadata.Labels	Only applied to workload resource
evices	Х	Х	Х		Not supported within Kubernetes, See issue kubernetes/kubernetes#5607
epends_on	X	Х	Х		AT .
ns	х	х	Х		Not used within Kubernetes. Kubernetes use a managed DNS server
ns_search	Х	X	Х		See dns key
omainname	<b>✓</b>	<b>✓</b>	<b>✓</b>	SubDomain	Creates emptyDirvolume with medium set to
npfs	<b>✓</b>	<b>✓</b>	<b>✓</b>	Containers.Volumes.EmptyDir	Memory & mounts given directory inside container
ntrypoint	<b>✓</b>	<b>✓</b>	✓	Container.Command	
nv_file	n	n	<b>✓</b>		
nvironment	<b>/</b>	✓ ✓	✓ ,	Container.Env	
xpose	<b>\</b>	✓ 	<b>✓</b>	Service.Spec.Ports	If endpoint_mode=vip, the created Service
ndpoint_mode	n	n	<b>,</b>		will be forced to set to NodePort type
xtends	<b>✓</b>	<b>✓</b>	<b>✓</b>		Extends by utilizing the same image supplie  Kubernetes uses a flat-structure for all
xternal_links	X	X	х		containers and thus external_links does not have a 1-1 conversion
xtra_hosts	n	n	n		
roup_add	<b>✓</b>	<b>✓</b>	<b>✓</b>		
ealthcheck ostname	-	n ✓	✓ ✓	HostName	
nage	<b>✓</b>	<b>✓</b>	<b>✓</b>	Deployment.Spec.Containers.Image	
olation	X	X	x		Not applicable as this applies to Windows with HyperV support
bels	<b>✓</b>	<b>✓</b>	<b>✓</b>	Metadata.Annotations	
nks	X	X	x		All containers in the same pod are accessibl in Kubernetes
ogging	X	X	X		Kubernetes has built-in logging support at
etwork_mode	X	X	X		the node-level  Kubernetes uses its own cluster networking
etworks	<b>✓</b>	<b>✓</b>	<b>✓</b>		See networks key
etworks: aliases	X	X	X		See networks key
etworks: ddresses	X	Х	Х		See networks key
id	<b>✓</b>	<b>✓</b>	✓	HostPID	
orts orts: short-	<b>✓</b>	<b>✓</b>	<b>✓</b>	Service.Spec.Ports	
yntax	<b>✓</b>	<b>V</b>	<b>✓</b>	Service.Spec.Ports	
orts: long-syntax ecrets	-	-	✓ ✓	Service.Spec.Ports Secret	External Secret is not Supported
ecrets: short-	_	_	<b>V</b>	Secret	External Secret is not Supported
yntax ecrets: long-					
yntax	-	-	<b>✓</b>	Secret	External Secret is not Supported
ecurity_opt	х	X	Х		Kubernetes uses its own container naming scheme
top_grace_period	<b>✓</b>	✓	✓	TerminationGracePeriodSeconds	
top_signal	х	Х	х		Not supported within Kubernetes. See issue kubernetes/kubernetes#30051
ysctls	n	n	n		
limits	x	X	X		Not supported within Kubernetes. See issue kubernetes/kubernetes#3595
serns_mode	х	Х	Х		Not supported within Kubernetes and ignore
					in Compose Version 3  Creates a PersistentVolumeClaim. Can only
olumes	<b>✓</b>	<b>✓</b>	<b>✓</b>	PersistentVolumeClaim	be created if there is already a PersistentVolume within the cluster
olumes: short- yntax	<b>✓</b>	<b>✓</b>	<b>√</b>	PersistentVolumeClaim	Creates a PersistentVolumeClaim. Can only be created if there is already a PersistentVolume within the cluster
olumes: long- /ntax	_	-	<b>✓</b>	PersistentVolumeClaim	Creates a PersistentVolumeClaim. Can only be created if there is already a PersistentVolume within the cluster
estart	<b>✓</b>	<b>✓</b>	✓		The cluster
olume	X	X	X		
river	Х	X	X		
river_opts	X	X	X		
xternal	X	X	X		
etwork	X	X	X		
river	X	X	X		
river_opts	Х	Х	Х		
nable_ipv6 am	X	X	X		
ternal	X	X	X		
bels	х	Х	Х		
kternal	X	X	X		
onfigs	X	Х	X		
nvironment	X	<b>✓</b>	<b>✓</b>		
ile	<b>✓</b>	<b>✓</b>	<b>✓</b>		

content

labels

external

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