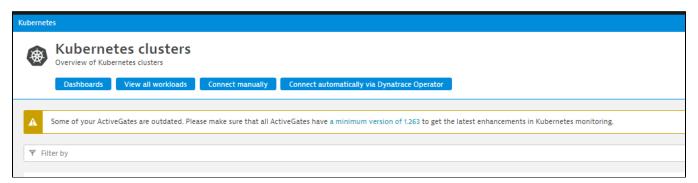
Kubernetes Cluster Monitoring

Dashboards Links:

 $\textbf{Kubernetes Cluster Overview:}\ https://brs073.dynatrace-managed.com/e/75b464a0-d0bc-47e2-a4b3-a97f8c248d55/\#dashboard;gtf=-2h;gf=all;id=6b38732e-8c5c-4b32-80a1-7053ec8f37e1$

Kubernetes Workload overview: https://brs073.dynatrace-managed.com/e/75b464a0-d0bc-47e2-a4b3-a97f8c248d55/#dashboard;gtf=-2h;gf=all;id=6b38732e-d26b-45c7-b107-ed85e87ff288

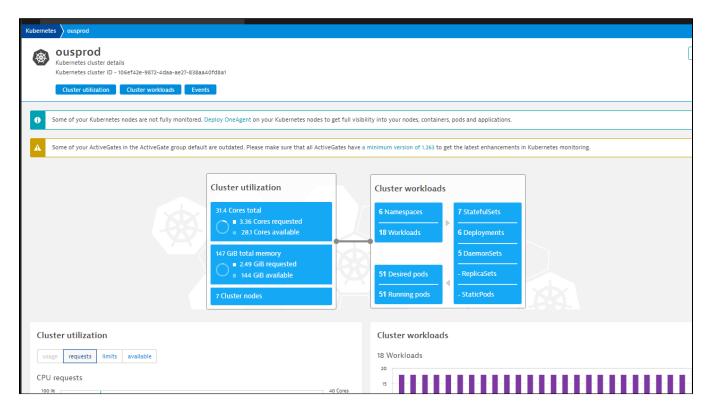
Step-1: Connect the Kubernetes Cluster automatically via Dynatrace Operator



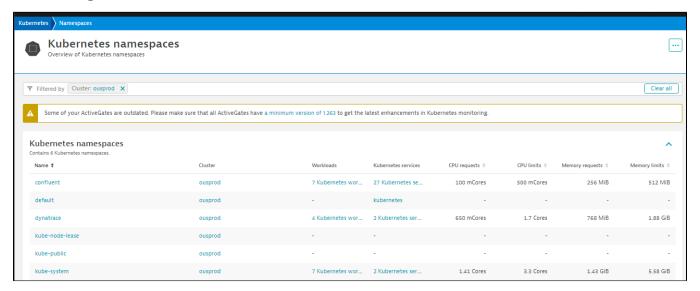
Step-2: Update the below details as shown in the screenshot, Name, Group and create Dynatrace Operator token ingest token, and will share the Kube commands and YAML file Kubernetes team and once they run the command we will start connecting to the Kubernetes cluster

Name						
	Enter name					
Group (optional)	Enter group					
Dynatrace Operator token	Enter combined API and PaaS tok	ø 🖪	Create token			
Data ingest token (optional)	Enter data ingest token	ø 🖫	Create token			
Skip SSL certificate ch	neck					
Kuberne	Kubernetes OpenShift					
Download the YAML file: Download dynakube.yam Execute the following comm	_					
Please note that kubecti mu						
kubectl create name	space dynatrace tps://github.com/Dynatrace/dy					
	e wait podfor=condition=re nakube.vaml		Сору			

Step-3: Once the Kubernetes cluster is connect we get the below data from cluster all the Namespaces, pods, nodes and work loads data and cluster utilization



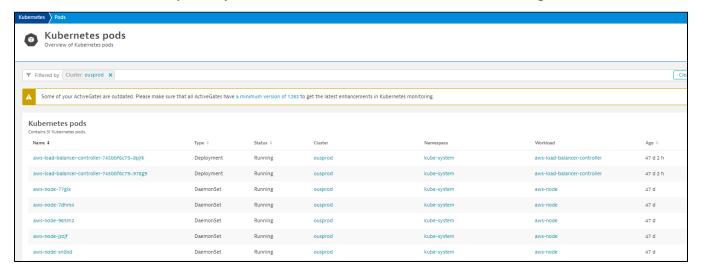
Kubernetes Namespaces: Below are the 6 namespaces we are Discovered and Monitoring



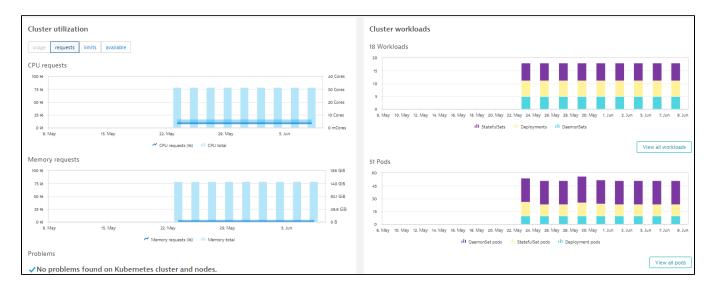
Kubernetes Workloads: There are total 18 workloads have been discovered and monitoring by the Dynatrace

lame #	Status #	Type #	Pods ‡	Services	Namespace	Cluster
sws-load-balancer-controller	ОК	Deployment	2 of 2	-	kube-system	ousprod
sws-node	OK	DaemonSet	7 of 7	-	kube-system	ousprod
confluent-operator	ОК	Deployment	1 of 1	-	confluent	ouspro
controlcenter	OK	StatefulSet	1 of 1	-	confluent	ouspro
coredns	OK	Deployment	2 of 2	-	kube-system	ouspro
iynatrace-operator	ОК	Deployment	1 of 1		dynatrace	ouspro
iynatrace-webhook	OK	Deployment	2 of 2	-	dynatrace	ouspro
ebs-csi-controller	ОК	Deployment	2 of 2	-	kube-system	ouspro
ebs-csi-node	OK	DaemonSet	7 of 7	-	kube-system	ouspro
ebs-csi-node-windows	ОК	DaemonSet	0		kube-system	ouspro
xafka	ОК	StatefulSet	3 of 3	-	confluent	ouspro
csqldb	OK	StatefulSet	1 of 1	-	confluent	ouspro
cube-proxy	ОК	DaemonSet	7 of 7	-	kube-system	ouspro
ousprod-activegate	ОК	StatefulSet	1 of 1	-	dynatrace	ouspro
ousprod-oneagent	ОК	DaemonSet	7 of 7	-	dynatrace	ouspro
eplicator	ОК	StatefulSet	2 of 2	-	confluent	ouspro
chemaregistry	OK	StatefulSet	2 of 2	-	confluent	ouspro
cookeeper	ОК	StatefulSet	3 of 3	-	confluent	ouspro

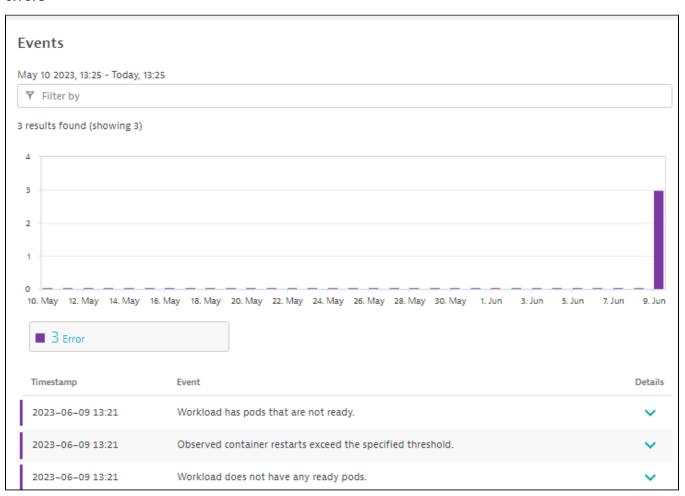
Pods: There are total 51 pods Dynatrace able to discover and we are monitoring all the Pods



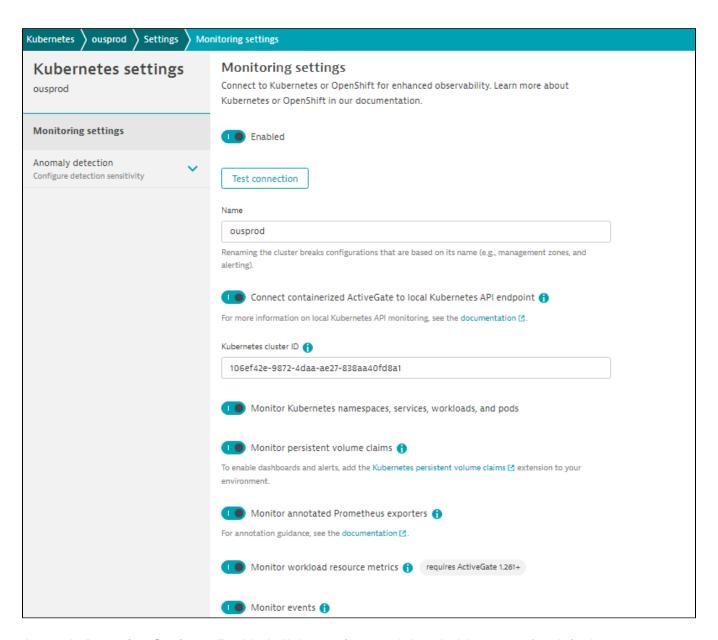
Kubernetes Cluster Utilization details



Below are the events Dynatrace able to capture so far for the Kubernetes Cluster and there are 3 errors



Kubernetes Settings: Monitoring setting that to be enabled for the data you want to monitor for cluster, like volume chains, namespaces ,pods, nodes, metrics, events etc.



Anomaly Detection Settings: Enabled all the settings and thresholds are set for default

