NETAPP KUBERNETES SERVICE

Product Lookbook

NetApp
Kubernetes Service

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NetApp
Kubernetes Service

What is NetApp Kubernetes Service?

NKS was a platform that allowed users to perform day one and day two operations on their Kubernetes infrastructure running on public or private cloud, including upgrading running Kubernetes clusters, creating new ones, managing the lifecycle of Cloud Native application workload, and more.
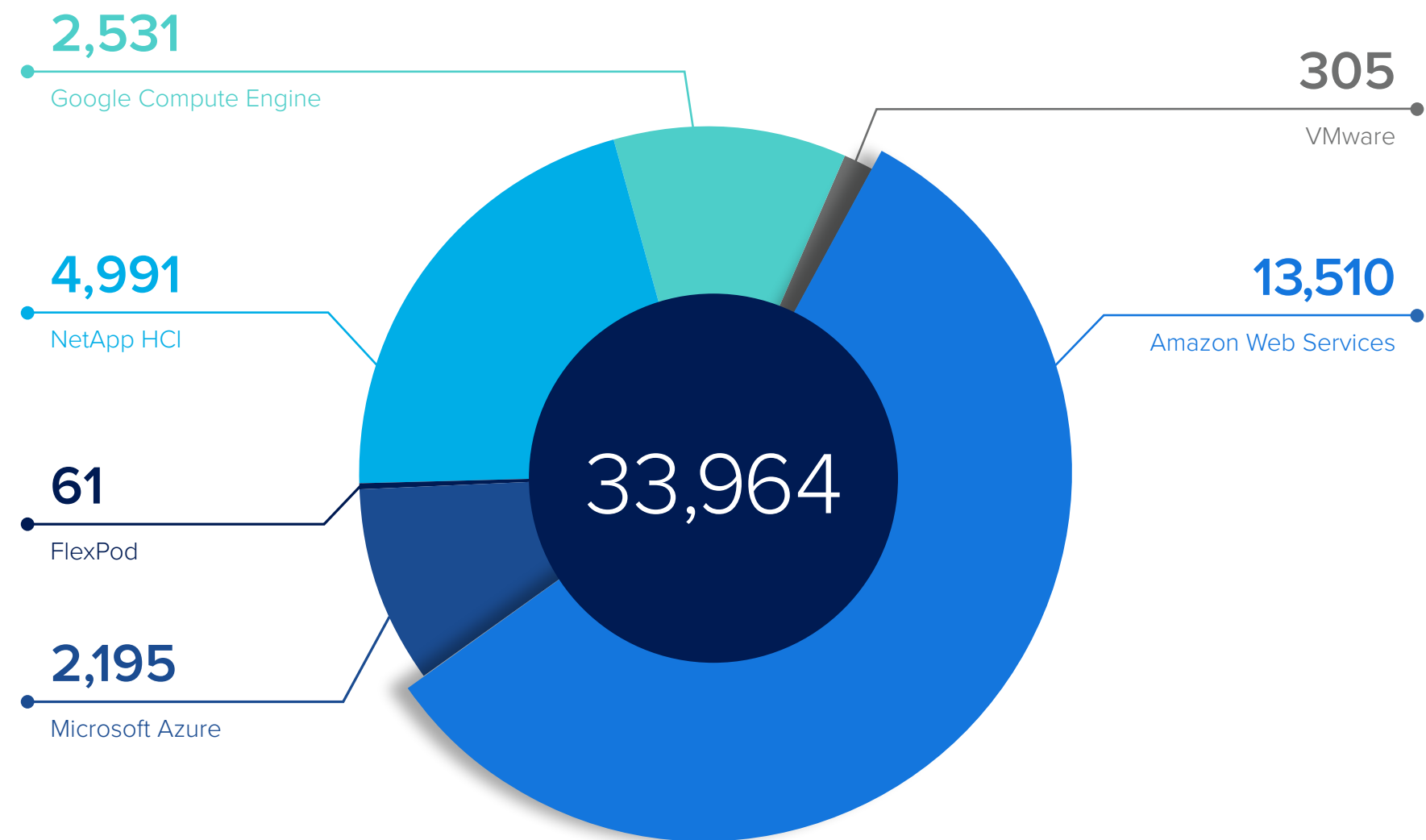
Total NKS Users

31,132

Total Clusters Created

33,964

Clusters Created in NKS
Breakdown by Provider

2,531
Google Compute Engine

305
VMware

4,991
NetApp HCI

13,510
Amazon Web Services

61
FlexPod

33,964

2,195
Microsoft Azure

3

Dashboard

The NKS Dashboard

As we spoke with users, we tested our mockups to determine the most valuable experience for the app's home page. Our users helped us identify important metrics, which data needed to be aggregated and displayed, and which activity alerts needed to be surfaced at this high level. We also added onboarding information to the dashboard for new users.

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Kubernetes Service

NetApp

Johnny Cash ⌄   Organization Name ⌄

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CLUSTERS
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+ CLUSTER

STATUS
2 Errors
4 Warning
12 Running

NAMESPACES
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VIEW ALL
+ CLUSTER

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2 Errors
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12 Running

SOLUTIONS
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VIEW ALL
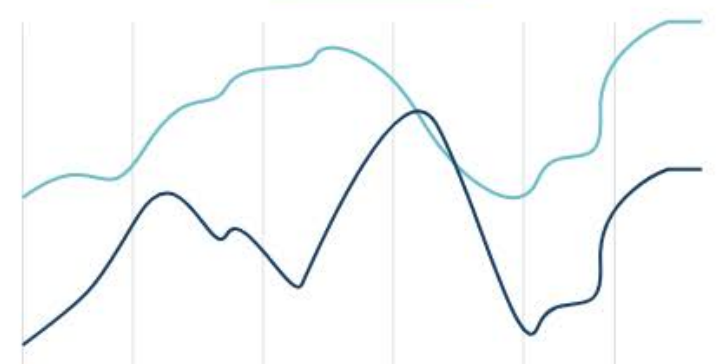+ CLUSTER

STATUS
0 Errors
0 Warning
10 Running

Clusters Available for Upgrade

Super Awesome Cluster   v1.16.3   Upgrade
Workspace: Default

Snazzy Yard   v1.16.3   Upgrade
Workspace: Default

Fast River   v1.16.3   Upgrade
Workspace: QA Workspace

Total Memory Usage by CLUSTER ▾   This Week ▾
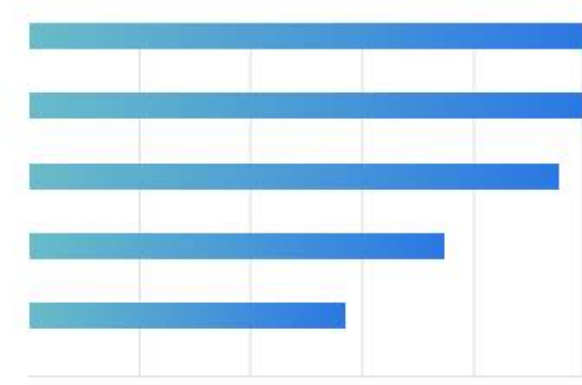
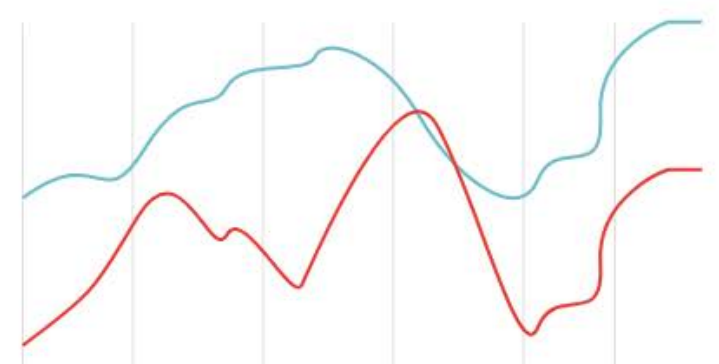── Total   ── Used

CPU Usage by CLUSTER ▾   This Month ▾

Super Cluster
Clean Sneakers
Future Sheet
Radio Jam
Sneaky Hat

0   20%   40%   60%   80%   100%

Total Network Traffic by WORKSPACE ▾   This Month ▾

── Outbound   ── Inbound

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Q 🔔 | 👤 Johnny Cash ∨   🔲 Organization Name ∨

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WELCOME TO NETAPP KUBERNETES SERVICE   ✕

You've been added as an Admin for the *Flower Power* organization!

Here are a few quick steps to get your Organization setup:

• Add Provider Credentials to your Organization so you and other members can start Deploying Kubernetes Clusters with our easy 3-step process

• Invite more Members to join your Organization and start collaborating

For more tips, tutorials and full documentation for NKS in the Support section

View all of your Organizations, create a new Organization, and change your Organization view at the top right next to your Profile information   ✕

🔑 Workspaces in NKS help users keep track of their Clusters, Projects, and Solutions all in one convenient place.

Create a New Workspace for your Organization or learn more about Workspaces here.   ✕

CLUSTERS

22

VIEW ALL

+ CLUSTER

NAMESPACES

Create a Namespace to help keep your Solutions up to date.

+ NAMESPACE

SOLUTIONS

Install a Solution from a Chart to any Namespace.

+ SOLUTION

Current Statuses by CLUSTERS ▾

15% ERROR   5% WARNING   80% NO ERROR

⌄ ● Errors: 4 Clusters

Super Awesome Cluster   8/29/2019, 11:28:29 am
Workspace: Default

Sugar Freeze   8/29/2019, 11:28:29 am
Workspace: QATeam

Super Awesome Cluster   8/29/2019, 11:28:29 am
Workspace: Default

Important Alerts   Q Clusters ▾

Errors   Recent Changes

❗ Error installing heapster: Cluster   2/25/2020, 12:45:32 pm
   nett5x7nwb is not running
   Cluster: Space Runner
   DISMISS

❗ K8s Builder task [TASK: cluster-deletion   2/25/2020, 12:45:32 pm
   /provider : Delete availability set] failed

NKS Alerts

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Favorites

🔍 Search your Favorites   ✕

List Alphabetically   ⌄

WORKSPACES

Default Workspace
⭐ Favorite
4 Clusters | 25 Projects
✅ NO ERRORS

Another Cool Workspace
⭐ Favorite
3 Clusters | 16 Projects
❗ 5 ERRORS   ⚠ 1 WARNING

PROJECTS

Super Awesome Sauce
⭐ Favorite
6 Solutions   ❗ 9 ERRORS
Cluster
Fragrant Fire
Namespace
super-awesome-sauce

CLUSTERS

Radio Jam
⭐ Favorite
4 Solutions   ✅ NO ERRORS
2 Projects   ❗ 2 ERRORS

SOLUTIONS

Projects > **Super Awesome Sauce**

Super Awesome Sauce

Created by: Johnny Cash on May 27, 2019

Solutions   Collaborators   Settings   Metrics   Logs

+ SOLUTION   ACTIONS ⌄

FILTER ☰   🔍

⊞ Card View   ☰ List View

📦 **Site Frontend APP**
Package ❗ 2 ERRORS
16 Deployments | **16** Services

⊙ **mysql Solution**
Tracker ✅ NO ERRORS
9 Deployments | **21** Services

⚙ **Elastisearch fluentd Kibana (EfK)**
Application ❗ 6 ERRORS ⚠ 22 WARNINGS
35 Deployments | **52** Services

⚙ **Development Box**
Application ✅ NO ERRORS
14 Deployments | **23** Services

⚙ **Le Krewe D'etat**
Application ❗ 1 ERRORS ⚠ 5 WARNINGS
5 Deployments | **9** Services

⚙ **Hey Ma Hey Ma**
Application ✅ NO ERRORS
3 Deployments | **3** Services

7

Workspaces

A Unique System of Organization for Kubernetes Objects

Workspaces provide the grouping mechanism that is used in managing all other resources in the user's NKS Organization, especially access to Clusters, Namespaces, and Solutions. NKS gives Organization administrators contol by allowing them to group Members into Teams and assign Teams to Workspaces. Team assignments are reflected in the RBAC and other access settings of all NKS resources.

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+ WORKSPACE

Default Workspace
★ Favorite
4 Clusters

Another Cool Workspace
★ Favorite
18 Clusters

This One Rocks
★ Favorite
2 Clusters

All Awesome Projects Here
★ Favorite
9 Clusters

Super Spiffy Workspace
★ Favorite
24 Clusters

Workspaces > Another Cool Workspace

Another Cool Workspace

Created by: Johnny Cash on May 27, 2019

Namespaces | Clusters | Settings | Metrics

+ CLUSTER   + NAMESPACE   ACTIONS ⌄

FILTER ≡ 🔍

⊞ Card View   ≡ List View

Solution Samples

Last 24 Hours ⌄   ★

Kubernetes Name	Cluster	Solutions		Average CPU Usage	Average Memory Usage
solution-samples	Fragrant Fire	28 Solutions	+Add Solution	**22%**	**86%**
◉ US East (N. Virginia)	NetApp HCI	🔴 8 ERRORS ⚠ 1 WARNING			

Super Awesome Sauce

Last 7 Hours ⌄   ★

Kubernetes Name	Cluster	Solutions		Average CPU Usage	Average Memory Usage
super-awesome-sauce	Smelly Ice	14 Solutions	+Add Solution	**23%**	**15%**
◉ US East (N. Virginia)	vmware	✅ NO ERRORS			

Creative Project Name

Last 24 Hours ⌄   ★

Kubernetes Name	Cluster	Solutions		Average CPU Usage	Average Memory Usage
creative-project-name	Fragrant Fire	28 Solutions	+Add Solution	**55%**	**13%**
◉ US East (N. Virginia)	NetApp HCI	🔴 5 ERRORS			

Sweet Dreams

Last 7 Hours ⌄   ★

Kubernetes Name	Cluster	Solutions		Average CPU Usage	Average Memory Usage
sweet-dreams	Sneaky Hat	28 Solutions	+Add Solution	**14%**	**22%**
◉ US West (California)	FlexPod	✅ NO ERRORS			

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4 Clusters

Another Cool Workspace
⭐ Favorite
18 Clusters

This One Rocks
⭐ Favorite
2 Clusters

All Awesome Projects Here
⭐ Favorite
9 Clusters

Super Spiffy Workspace
⭐ Favorite
24 Clusters

Workspaces > **Another Cool Workspace**

Another Cool Workspace

Created by: Johnny Cash on May 27, 2019

Namespaces   **Clusters**   Settings   Metrics

+ CLUSTER   + NAMESPACE   ACTIONS ⌄

FILTER ☰ 🔍

⊞ Card View   ☰ List View

Cluster: **Fragrant Fire**   ⭐ ☰

aws   📍 US East (N. Virginia)   14 Projects +Add Project   Average CPU Usage   Average Memory Usage
🌐 v 1.15.2   ❗ 2 ERRORS   **22%**   **86%**

Cluster: **Smelly Ice**   ⭐ ☰

vmware   📍 US East (N. Virginia)   32 Projects +Add Project   Average CPU Usage   Average Memory Usage
🌐 v 1.15.2   ✅ NO ERRORS   **8%**   **12%**

Last 24 Hours ⌄

Cluster: **Ring of Fire**   ⭐ ☰

FlexPod   📍 US East (N. Virginia)   8 Projects +Add Project   Average CPU Usage   Average Memory Usage
A Cisco and NetApp Solution   🌐 v 1.15.2 Classic   ❗ 2 ERRORS ⚠ 2 WARNINGS   **46%**   **21%**

Last 24 Hours ⌄

This is a Classic NKS Cluster and not all
features and functionality are supported.

Learn more

Cluster: **Smelly Ice**   ⭐ ☰

vmware   📍 US East (N. Virginia)   32 Projects +Add Project   Average CPU Usage   Average Memory Usage
🌐 v 1.15.2   ✅ NO ERRORS   **8%**   **12%**

Last 24 Hours ⌄

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Workspaces > **Another Cool Workspace**

Another Cool Workspace

Created by: Johnny Cash on May 27, 2019

Namespaces   Clusters   **Settings**   Metrics

+ CLUSTER   **+ NAMESPACE**   **ACTIONS ▾**

WORKSPACE NAME ⓘ

Another Cool Workspace   ☑ Edit

TEAMS WITH ACCESS   ☑ Edit

Roles and permissions will be set up across the Solutions you run in your Clusters to reflect the configuration you define here.

Admin Team   Content Team   Red Team   Tiger Team   Example App Developers   Science Team

DELETE WORKSPACE

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Workspaces > **Another Cool Workspace**

Another Cool Workspace

Created by: Johnny Cash on May 27, 2019

Namespaces   Clusters   Settings   **Metrics**

+ CLUSTER   **+ NAMESPACE**   **ACTIONS ⌄**

METRICS OVERVIEW   Last 7 Days ⌄

Cluster Memory Usage *(megabytes)*

Cluster CPU Usage *(millicores)*

4/20/2019, 13:33 PM
498 millicores

Disk IO *(percentage)*

Network IO *(measurement)*

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List Alphabetically ▼

+ WORKSPACE

My New Workspace
★ Favorite

Workspaces > **My New Workspace**

My New Workspace

Created by: Johnny Cash on May 27, 2019

Namespaces   Clusters   Settings   Metrics

+ CLUSTER   + NAMESPACE   ACTIONS ▼

FILTER ☰   🔍

⊞ Card View   ☰ List View

You don't have any Projects yet!

Lorem ipsum dolor sit amen adipiscing consecteutr elit lorem ipsum dolor sit amet consectetur.

CREATE A PROJECT NOW

Clusters

Streamlining Kubernetes Cluster Creation and Management

Well-managed Kubernetes Clusters form the foundation of the tools within NKS. Clusters can be run on any supported cloud services provider and Clusters from different providers may be grouped together into the same Workspace. Building Kubernetes infrastructure is notoriously complex, our process gives the users as little or as much control as they need. Users are able to create container clusters with just a few short steps or modify advanced settings to meet their needs.

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Create New Cluster

With NKS, deploy a cluster on one of our Providers in minutes with a few simple steps.

1 Choose a Provider

2 Configure Provider

3 Configure Cluster

4 Review and Confirm

< Back to Cluster Listing

aws ✓

Microsoft Azure

Google Compute Engine

vmware

FlexPod®
A Cisco and NetApp Solution

NetApp | HCI

SELECT WORKSPACE
Choose an existing Workspace to create a new Cluster

Carkeek (3 Clusters | 8 Namespaces)   ▼

🔍 Search Workspaces

Carkeek (3 Clusters | 8 Namespaces)

Default (1 Cluster | 2 Namespaces)

Deserted Mall (6 Clusters | 24 Namespaces)

Frog Bath (4 Clusters | 9 Namespaces)

mycelium (1 Cluster | 4 Namespaces)

Page Turner (13 Clusters | 32 Namespaces)

Paul Simonon (8 Clusters | 29 Namespaces)

SELECT AWS CREDENTIALS
Show me how to obtain credentials for AWS

My AWS Credentials   ▼

+ CREDENTIALS

Cancel   BACK   NEXT

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Create New Cluster

With NKS, deploy a cluster on one of our Providers in minutes with a few simple steps.

✓ Choose a Provider

② **Choose a Provider**

③ Configure Cluster

④ Review and Confirm

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Step 2: Configure Amazon Web Services

We suggest sensible defaults to get you up and running quickly, but you can change these settings to suit your needs.

aws

MASTER NODES

Master nodes manage the Cluster controllers, API, and scheduler. They do not run your workloads.

1 Master Node ✓	3 Master Nodes	5 Master Nodes
Recommended for development, proof of concept, and personal projects.	*Recommended minimum for production deployments to insure zero downtime upgrades.*	*Recommended for production deployments of mid-to-large sized projects requiring zero downtime and high availability.*

WORKER NODES

Worker nodes run pods that contain your workloads and execute your software.

Number of Worker Nodes	Worker Instance Type	Worker Disk Size (500GB)
2 ▼	m5.large ▼	500GB

REGION

US West (Oregon) ▼

ZONE

us-west-2a ▼

VPC

We can create a new VPC or use an existing one.

☐ Create a new VPC

Kubernetes (vpc-237482703587238) - 172.23.0.0/16 ▼

SUBNET

We can create a new Subnet or use an existing one.

☑ Create a new Subnet

Choose existing Subnet ▼

Cancel   **BACK**   **NEXT**

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Create New Cluster

With NKS, deploy a cluster on one of our Providers in minutes with a few simple steps.

✓ Choose a Provider

✓ Choose a Provider

③ Configure Cluster

④ Review and Confirm

‹ Back to Cluster Listing

Step 3: Configure your Cluster Settings

Be sure to set a meaningful name for your Cluster. You can also select from supported Kubernetes versions and define your network CIDRs.

aws

CLUSTER NAME

My Amazon Cluster   ↻

12 / 255

ORCHESTRATION

1.15.2   ▾

⎈ kubernetes

POD NETWORK

10.2.0.0   / 16 ▾

SERVICE NETWORK

10.3.0.0   / 24 ▾

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Create New Cluster

With NKS, deploy a cluster on one of our Providers in minutes with a few simple steps.

✓ Choose a Provider

✓ Choose a Provider

✓ Configure Cluster

④ **Review and Confirm**

< Back to Cluster Listing

Step 4: Review and Confirm your Configurations

Please review and confirm the Cluster settings below. You can click "edit" in any section to make changes.

aws

Provider Configuration   ☑ Edit

WORKSPACE	Default	**AWS CREDENTIALS**	My AWS Credentials
MASTER NODES	1	**WORKER NODES**	2
		Worker Instance Type	m5.large
REGION	US West (Oregon)	Worker Disk Size	500GB
ZONE	us-west-2a		
VPC	Kubernetes (vpc398752893759)	**GPU**	Disabled
SUBNET	Kubernetes (vpc398752893759)		

Cluster Configuration   ☑ Edit

CLUSTER NAME	My Amazon Cluster	**ORCHESTRATION**	Kubernetes 1.15.2
POD NETWORK	10.2.0.0 / 16	**SERVICE NETWORK**	10.3.0.0 / 24
CLOUD INSIGHTS	Enabled		

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All Clusters (7)
on Organization Name

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List by Provider ▾

+ CLUSTER

✅ Radio Jam
★ Favorite   Classic
aws

❗ Super Cluster
★ Favorite
Microsoft Azure

✅ Future Sheet Cluster 2
★ Favorite
Google Cloud Platform

✅ Sneaky Hat
★ Favorite
NetApp | HCI

✅ Happy Whale
★ Favorite   Classic
aws

❗ Noble Note
★ Favorite
NetApp | HCI

Organization Name : Clusters > Super Cluster

Super Cluster

Created by: Johnny Cash on August 31, 2019

Overview   Objects ▾   Namespaces   Build Logs   Data ▾   Metrics   ACTIONS ▾

Details ⌄   ✅ Running

| Provider | Credentials ✏ Edit | Network Provider | VPC |
| Microsoft Azure | My Azure Credentials | CALICO | Kubernetes (vpc398752893759) |

| | Kubernetes Version | Workspace | Region |
| | v1.15.2 Upgrade | Few Inc Admin | US West (Oregon) |

Description ✏ Edit
Production team cluster built for installing WordPress templates for client projects.

Kubernetes Dashboard
Installed

Resource Group
Resource group

Worker Node Pools (2) ⓘ ⌄   ↓ Add Node Pool

	Name	Zone	Size	Subnet	Nodes		Labels	
✅	Node Pool 1	High availability	m5.large (50GB)	172.23.4.162	25 Save		app: nks-git	⋮
✅	Node Pool 2	Single zone	m5.large (50GB)	172.23.248.113	25 ✏ Edit		app: nks-git app: tekton-pip...	⋮

Master Nodes (5) ⓘ ⌄

Master Nodes (5) ⓘ ⌄

	Hostname	Zone	Size	Private IP	Labels	
✅	netrewv8fr-master-1	us-west-2a	m5.large (50GB)	172.23.4.162	app: nks-git	⋮
✅	netrewv8fr-master-2	us-west-2b	m5.large (50GB)	172.23.248.113	app: nks-git + 2	⋮
✅	netrewv8fr-master-3	us-west-2b	m5.large (50GB)	172.23.248.56	app: dummy-registry	⋮
⚠	netrewv8fr-master-4	us-west-2b	m5.large (50GB)	172.23.248.113	app: nks-git + 1	⋮
❗	netrewv8fr-master-5	us-west-2b	m5.large (50GB)	172.23.248.56	app: nks-git	⋮

Worker Nodes (50) ⓘ ⌄

Filter ⚲   🔍 Search

	Hostname	Private IP	Public IP	Zone/Size	Node Pool	Labels	
✅	netrewv8fr-worker-5254001	172.23.4.97	54.201.199.173	us-west-2a m5.large (50GB)	Node Pool 1		🗑
✅	netrewv8fr-worker-5254001	172.23.4.97	54.201.199.173	us-west-2a m5.large (50GB)	Node Pool 1		🗑
✅	netrewv8fr-worker-5254001	172.23.4.97	54.201.199.173	us-west-2a m5.large (50GB)	Node Pool 1		🗑
✅	netrewv8fr-worker-5254001	172.23.4.97	54.201.199.173	us-west-2a m5.large (50GB)	Node Pool 1		🗑
✅	netrewv8fr-worker-5254001	172.23.4.97	54.201.199.173	us west 2a m5.large (50GB)	Node Pool 1		🗑

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aws

🔴 Super Cluster
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✅ Future Sheet Cluster 2
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★ Favorite
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✅ Happy Whale
★ Favorite Classic
aws

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🔴 Noble Note
★ Favorite
NetApp | HCI

Organization Name : Clusters > Radio Jam

Radio Jam

Created by: Johnny Cash on August 31, 2019

Overview   Objects ▾   **Namespaces**   Build Logs   Data ▾   Metrics   **ACTIONS ▾**

FILTER ≡ 🔍   List View

Project: Solution Samples   Last 24 Hours ▾   ★

Cluster: Super Cluster   28 Solutions   🔴 2 ERRORS   Average CPU Usage   Average Memory Usage
⚫ US East (N. Virginia)   +Add Solution   **22%**   **86%**

Project: Super Awesome Sauce   Last 7 Hours ▾   ★

Cluster: Super Cluster   14 Solutions   ✅ NO ERRORS   Average CPU Usage   Average Memory Usage
⚫ US East (N. Virginia)   +Add Solution   **23%**   **15%**

1-1 of 1 ‹ ›

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All Clusters (7)
on Organization Name

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List by Provider ▾

+ CLUSTER

✅ Radio Jam
⭐ Favorite Classic
aws

❗ Super Cluster
⭐ Favorite
Microsoft Azure

✅ Future Sheet Cluster 2
☆ Favorite
Google Cloud Platform

✅ Sneaky Hat
☆ Favorite
NetApp | HCI

✅ Happy Whale
☆ Favorite Classic
aws

❗ Noble Note
☆ Favorite
NetApp | HCI

Organization Name : Clusters > Radio Jam

Radio Jam

Created by: Johnny Cash on August 31, 2019

Overview   Objects ▾   Namespaces   Build Logs   Data ▾   **Metrics**   ACTIONS ▾

3
Solutions in this Cluster

60% Running
30% Warning
10% Not Running

16
Projects in this Cluster
View All

60% Running
30% Warning
10% Not Running

METRICS OVERVIEW   Last 7 Days ▾

Cluster Memory Usage *(megabytes)*

1000
900
800
700
600
500
400
300
200
100
    0   4   8   :12   16   20   24

Cluster CPU Usage *(millicores)*

4/20/2019, 13:33 PM
498 millicores

1000
900
800
700
600
500
400
300
200
100
    0   1   2   3   4   5   6   7

Disk IO *(percentage)*

100
90
80

Network IO *(measurement)*

1000
900
800

22

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All Clusters (7)
on Organization Name

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List by Provider ▾

+ CLUSTER

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Radio Jam
⭐ Favorite
Cluster Status
Building...

0 Solutions | 0 Projects

✅ NO ERRORS

Provider
Amazon Web Services

Super Cluster
⭐ Favorite
Cluster Status
Running

3 Solutions | 16 Projects

✅ NO ERRORS

Provider
Amazon Web Services

Future Sheet Cluster 2
☆ Favorite
Cluster Status
Upgrading...

1 Solution | 3 Projects

🔴 2 ERRORS   ⚠️ 2 WARNINGS

Provider
Google Compute Engine

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Sneaky Hat

Organization Name : Clusters > **Super Cluster**

Super Cluster

Created by: Johnny Cash on August 31, 2019

Overview   Objects ▾   Projects   **Build Log**   Data ▾   Metrics

ACTIONS ▾

Build Log : Super Cluster

Sort by: Last Seen ∧   Filter ☰   Dismiss All   🔍 Search

🔴 **Error: Unable to find NKSImage that matches cluster config.**
Kubernetes-version v1.14.5 cloud-provider was region us-west-2

Copy Error Text   Help Me With This   Dismiss

Events (460)

Dec 4, 2019, 10:55:32 pm — 2 months old

Source: Super Awesome Sauce

✅ **Successfully configured Kubernetes master**

Dec 4 2019, 10:31:56 pm

ℹ️ **Started installing heapster**
HeapsterCreate-57705-d77pca11u8

Dec 4 2019, 9:20:13 pm

Source: Solution Samples

🔴 **Error provision server(s) at Azure**
K8s Builder task [TASK: cloud-build : Azure | Nodes] failed. Error creating or updating virtual machine
netat84p8k-worker - Azure Error: OperationNotAllowed Message: The operation couldn't be completed as it
results in exceeding quota limit of Core. Maximum allowed: 50, Current in use: 50, Additional requested: 2.
Read more about quota limits at https://aka.ms/AzurePerVMQuotaLimits. Submit a request for Quota
increase using the link https://aka.ms/ProdportalCRP/?#create/Microsoft.Support/Parameters/
%7B%22subId%22:%22*********%22,%22pesId%22:%2206bfd9d3-516b-

Show Less   Copy Error Text   Help Me With This   Dismiss

Dec 4 2019, 8:25:42 pm

Source: Ring of Fire

✅ **Successfully configured Kubernetes nodes**

Dec 4 2019, 7:31:56 pm

ℹ️ **Started creating Kubernetes virtual network**
'k8s_eastus_network_2zw6' (CreateVirtualNetwork-1206-bbh2m6z53n)

Dec 4 2019, 7:18:54 pm

ℹ️ **Started installing heapster**
HeapsterCreate-57705-d77pca11u8

Dec 4 2019, 6:20:13 pm

Source: Solution Samples

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+ CLUSTER

Radio Jam
★ Favorite
Cluster Status
Building...
0 Solutions | 0 Projects
✓ NO ERRORS
Provider
Amazon Web Services

Super Cluster
★ Favorite
Cluster Status
Running
3 Solutions | 16 Projects
✓ NO ERRORS
Provider
Amazon Web Services

Future Sheet Cluster 2
★ Favorite
Cluster Status
Upgrading...
1 Solution | 3 Projects
⊘ 2 ERRORS   ⚠ 2 WARNINGS
Provider
Google Compute Engine

Sneaky Hat

Organization Name : Clusters > **Super Cluster**

Super Cluster

Created by: Johnny Cash on August 31, 2019

Overview   Objects ⌄   Projects   **Build Log**   Data ⌄   Metrics   **ACTIONS ⌄**

Build Log : Super Cluster

| Sort by: Last Seen ⌃ | Filter ☰ | Dismiss All |

Priority

Last Seen

First Seen

Frequency

NKSImage that matches cluster config.   Events (460)
14.5 cloud-provider was region us-west-2   Dec 4, 2019, 10:55:32 pm — 2 months old
Me With This   Dismiss   Source: Super Awesome Sauce

d Kubernetes master   Dec 4 2019, 10:31:56 pm

❗ Started installing heapster   Dec 4 2019, 9:20:13 pm
HeapsterCreate-57705-d77pca11u8   Source: Solution Samples

⊘ Error provision server(s) at Azure   Dec 4 2019, 8:25:42 pm
K8s Builder task [TASK: cloud-build : Azure | Nodes] failed. Error creating or updating virtual   Source: Ring of Fire
machine netat84p8k-worker - Azure Error: OperationNotAllowed Message: The operation couldn't...
Show More   Copy Error Text   Help Me With This   Dismiss

✓ Successfully configured Kubernetes nodes   Dec 4 2019, 7:31:56 pm

❗ Started creating Kubernetes virtual network   Dec 4 2019, 7:18:54 pm
'k8s_eastus_network_2zw6' (CreateVirtualNetwork-1206-bbh2m6z53n)

❗ Started installing heapster   Dec 4 2019, 6:20:13 pm
HeapsterCreate-57705-d77pca11u8   Source: Solution Samples

⊘ Error: Unable to find NKSImage that matches cluster config.   Events (34)
Kubernetes-version v1.14.5 cloud-provider was region us-west-2   Dec 4, 2019, 6:09:32 pm — 5 months old

🔍 Search

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Namespaces

Namespaces Help Different projects, Teams, or Members Share a Kubernetes Cluster

Namespaces provide a Kubernetes Namespace for a set of Solutions that can be managed through the NKS interface. Namespaces apply settings for resource limits and constraints in addition to grouping status data, logs, and other tools within NKS. Namespaces exist on a single Cluster, and they can contain many different Solutions. A Cluster may host numerous Namespaces. Creating a Namespace within a Cluster helps the user organize workloads and simplifiy deployments.

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Kubernetes Service

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Create Namespace

With NKS, deploy a cluster on one of our Providers in minutes with a few simple steps.

① **Configure Namespace**

② Review and Confirm

< Back to All Namespaces

Step 1: Set your Namespace Details

We suggest sensible defaults to get you up and running quickly, but you can change these settings to suit your needs.

NAMESPACE NAME

Marzipan Fruitcake

SELECT CLUSTER
Search for or choose an existing Cluster to create a new Namespace

Ancient Beet (*Workspace: Default*)   ▼

🔍 Search Clusters

Ancient Beet (*Workspace: Default*)

Fragrant Fire (*Workspace: Default*)

Pale Pasta (*Workspace: Deserted Mall*)

Rich Ocean (*Workspace: Frog Bath*)

Sweet Sea (*Workspace: Carkeek*)

Tiny Studio (*Workspace: Page Turner*)

Cancel   BACK   NEXT

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① Configure Namespace

② Review and Confirm

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Step 1: Set your Namespace Details

We suggest sensible defaults to get you up and running quickly, but you can change these settings to suit your needs.

NAMESPACE QUOTAS

CPU Usage	CPU Limit	Pods
2	2	2

Memory Usage	Memory Limit	Services
2	2	2

POD LIMITS

CPU Minimum	CPU Maximum	CPU Default
2	8	14

Memory Minimum	Memory Maximum	Memory Default
2	8	14

CONTAINER LIMITS

CPU Minimum	CPU Maximum	CPU Default
2	8	14

Memory Minimum	Memory Maximum	Memory Default
2	8	14

SAVE AND RETURN   Dimiss Changes

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Create Namespace

With NKS, deploy a cluster on one of our Providers in minutes with a few simple steps.

✓ Configure Namespace

2 Review and Confirm

‹ Back to All Namespaces

Step 2: Review and Confirm your Configuration

Please review and confirm the Project settings below. You can click "edit" in any section to make changes.

Namespace Configuration ☑ Edit

NAMESPACE NAME	Marzipan Fruitcake	**WORKSPACE**	Default Workspace
Kubernetes Name	marzipan-fruitcake	**CLUSTER**	Fragrant Fire

AUTOSCALING	Enabled	**AUTOSCALING TRIGGERS**	
Replicas Min	3	Average CPU Utliziation	50%
Replicas Max	7	Average CPU Value	10 millicores

Cancel   BACK   CREATE

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🔍 Search ✕

List Alphabetically ▾

+ NAMESPACE

When you create new namespaces, they will show up here

Namespaces

You don't have any Namespaces yet!

Lorem ipsum dolor sit amen adipiscing consecteutr elit lorem ipsum dolor sit amet consectetur.

CREATE A NAMESPACE NOW

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+ NAMESPACE

Super Awesome Sauce
super-awesome-sauce
⭐ Favorite
Cluster: Fragrant Fire

Rad Project
different-name-here
☆ Favorite
Cluster: Fragrant Fire

Solution Samples
solution-samples
☆ Favorite
Cluster: Smelly Ice

Display Name
unique-k8s-name
☆ Favorite
Cluster: Smelly Ice

Namespaces > **Super Awesome Sauce**

Super Awesome Sauce

Created by: Johnny Cash on May 27, 2019

Solutions   Settings   Metrics   Logs

+ SOLUTION   **ACTIONS ⌄**

FILTER ☰   🔍

⊞ **Card View**   ☰ List View

Site Frontend APP
Package 🔴 2 ERRORS
16 Deployments | **16** Services

mysql Solution
Tracker ✅ NO ERRORS
9 Deployments | **21** Services

Elastisearch fluentd Kibana (EfK)
Application 🔴 6 ERRORS ⚠ 22 WARNINGS
35 Deployments | **52** Services

Development Box
Application ✅ NO ERRORS
14 Deployments | **23** Services

Le Krewe D'etat
Application 🔴 1 ERRORS ⚠ 5 WARNINGS
5 Deployments | **9** Services

Hey Ma Hey Ma
Application ✅ NO ERRORS
3 Deployments | **3** Services

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+ NAMESPACE

Super Awesome Sauce
super-awesome-sauce
★ Favorite
Cluster: Fragrant Fire

Rad Project
different-name-here
☆ Favorite
Cluster: Fragrant Fire

Solution Samples
solution-samples
☆ Favorite
Cluster: Smelly Ice

Display Name
unique-k8s-name
☆ Favorite
Cluster: Smelly Ice

Namespaces > **Super Awesome Sauce**

Super Awesome Sauce

Created by: Johnny Cash on May 27, 2019

Solutions   Settings   Metrics   Logs

+ SOLUTION   **ACTIONS ▾**

Filter ☰   ⊞ Card View   ☰ List View

🔍 Search

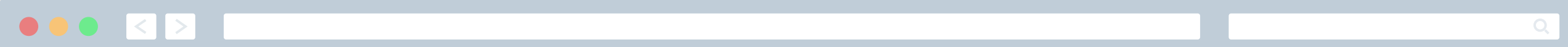| Solution Name		Solution Type	Deployments	Services	Actions
Site Frontend APP	❗ 2 ERRORS	📦 Package	16 Deployments	16 Services	⋮
mysql SOLUTION	✅ NO ERRORS	⚙ Application	9 Deployments	21 Services	⋮
Elastisearch fluent Kibana	❗ 6 ERRORS ⚠ 22 WARNINGS	⚙ Application	35 Deployments	52 Services	⋮
Development Box	✅ NO ERRORS	⚙ Application	14 Deployments	23 Services	⋮
Le Krewe D'etat	❗ 1 ERROR ⚠ 5 WARNINGS	⚙ Application	5 Deployments	9 Services	⋮
Hey Ma Hey Ma	✅ NO ERRORS	⚙ Application	3 Deployments	3 Services	⋮

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+ NAMESPACE

Super Awesome Sauce
super-awesome-sauce
★ Favorite
Cluster: Fragrant Fire

Rad Project
different-name-here
★ Favorite
Cluster: Fragrant Fire

Solution Samples
solution-samples
★ Favorite
Cluster: Smelly Ice

Display Name
unique-k8s-name
★ Favorite
Cluster: Smelly Ice

Namespaces > **Super Awesome Sauce**

Super Awesome Sauce

Created by: Johnny Cash on May 27, 2019

Solutions   **Settings**   Metrics   Logs

+ SOLUTION   **ACTIONS ▾**

NAME ⓘ

Super Awesome Sauce ☑ Edit

🔒 K8s-namespace: super-awesome-sauce

TEAMS WITH ACCESS   ☑ Edit

Roles and permissions will be set up across the Solutions you run in your Clusters to reflect the configuration you define here.

Admin Team   Content Team   Red Team   Tiger Team   Example App Developers   Science Team

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⭐ Favorite
Cluster: Fragrant Fire

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different-name-here
☆ Favorite
Cluster: Fragrant Fire

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☆ Favorite
Cluster: Smelly Ice

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Cluster: Smelly Ice

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Namespaces > **Super Awesome Sauce**

Super Awesome Sauce

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Solutions   Settings   **Metrics**   Logs

+ SOLUTION   **ACTIONS ⌄**

METRICS OVERVIEW

Last 7 Days ⌄

Cluster Memory Usage *(megabytes)*

Cluster CPU Usage *(millicores)*

4/20/2019, 13:33 PM
498 millicores

Disk IO *(percentage)*

Network IO *(measurement)*

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☆ Favorite
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solution-samples
☆ Favorite
Cluster: Smelly Ice

Display Name
unique-k8s-name
☆ Favorite
Cluster: Smelly Ice

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Namespaces > Super Awesome Sauce

Super Awesome Sauce

Created by: Johnny Cash on May 27, 2019

Solutions   Settings   Metrics   **Logs**

+ SOLUTION   ACTIONS ▾

Waiting for logs to arrive…

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Solutions

Solutions are Added to Namespaces to Provide a Specific Piece of Functionality.

Users can deploy workloads into Solutions to make them available for team members and systems. Two different types of Solutions are provided to meet he needs of any Namespace. With Tracker Solutions, users can deploy code to a Cluster within a Namespace using popular command-line or third-party tools, and then configure a set of labels to track as a single Solution and manage using the NKS UI. Chart Solutions help users deploy standard Helm charts into a Namespace from the selection provided by NKS, a selection provided by NKS-approved third party partners, or custom Helm charts hosted in a public or Private Repository.

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Kubernetes Service

NetApp

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Deploy New Solution

In just a few easy steps, you can deploy a Solution to your Project.

1 **Select Solution Type**

< Back to Solution Listing

CHARTS

Install a Solution (or set of Solutions) based on a Helm chart. Choose from our gallery of supported Solutions, or bring your own charts to build your custom Solution.

TRACKER

Install Charts directly to your Kubernetes Cluster and then add Trackers to your NKS interface in order to track and monitor these packages.

Cancel   BACK   NEXT

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Deploy New Solution

In just a few easy steps, you can deploy a Solution to your Project.

① **Select Solution Type**

② Define Version Control

③ Configure Solution

④ Review and Confirm

< Back to Solution Listing

✓

CHARTS

Install a Solution (or set of Solutions) based on a Helm chart. Choose from our gallery of supported Solutions, or bring your own charts to build your custom Solution.

TRACKER

Install Charts directly to your Kubernetes Cluster and then add Trackers to your NKS interface in order to track and monitor these packages.

SELECT NAMESPACE

Choose an existing Namespace to create a new Solution

Carkeek *(Cluster: Fragrant Fire)*   ▾

🔍 Search Namespaces

Carkeek *(Cluster: Fragrant Fire)*

Display Name *(Cluster: Ancient Beet)*

Rad Namespace *(Cluster: Pale Pasta)*

Reptile Shower *(Cluster: Rich Ocean)*

Solution Samples *(Cluster: Sweet Sea)*

Sunrise Father *(Cluster: Tiny Studio)*

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Deploy New Solution

In just a few easy steps, you can deploy a Solution to your Project.

Workspace
Default Workspace

Cluster
Fragrant Fire

Namespace
Super Awesome Project

✓ Select Solution Type

② **Choose Package**

③ Configure Package

④ Review and Confirm

< Back to Solution Listing

Step 2: Choose a Package to Install

Select a Package from the gallery below to install it into your Project.

SELECT FROM TRUSTED HELM CHARTS AND YOUR CHARTS ⓘ

FILTER ☰   🔍   MANAGE CHART REPOS

R 0.1.4 **nks-trusted / rethinkdb** database, nosql	0.1.0 **bitnami / kubeturbo**	0.4.2 **bitnami / kube-lego** letsencrypt
0.2.0 ✓ **bitnami / harbor** vmware, docker, registry	0.4.4 **nks-trusted / patroni** Postgres, database, sql, experimental	1.52.1 **traefik** **bitnami / traefik** Ingress, acme, letsencrypt
0.11.1 **kafka** A distributed streaming platform **other-thing / kafka** zookeeper, kafka statefulset, experimental	1.1.5 **bitnami / spinnaker** CI, CD	0.5.0 **bitnami / cloudflare-warp-ingress** Zookeeper, kafka statefulset, experimental
4.2.4 **redis** **nks-trusted / redis** keyvalue, database	1.8.3 **bitnami / minio** storage, object-storage, S3	0.1.3 **CRUNCHY** Enterprise PostgreSQL **nks-trusted / postgres-operator** Postgres, database, sql, experimental

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Default Workspace

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Fragrant Fire

Namespace
Super Awesome Project

✓ Select Solution Type

✓ Choose Package

③ Configure Package

④ Review and Confirm

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Step 3: Configure Package

We have selected sensible defaults to get you up and running quickly, but you can change these settings to suit your needs.

HARBOR

PACKAGE NAME

Harbor Package Example

VERSION

1.13.1

YAML FILE ⓘ ☑ Edit

Lorem ipsum dolor sit amet adipiscing consectetur elit lorem ipsum dolor sit amet.

```
persistance:
    enabled: true
externalProtocol: https
# The FQDN for habor service
externalDomain: harbor.my.domain
# The Port for harbor service, leave empty if the service
# is to be bound to port #0/#4)
externalPort  32700
harborAdminPassword  Harbor12345
authenticationMode  "db_auth"
selfRegistration  "on"
ldap:
    url: "ldaps://ldapserver"
    searchDN
    searchPassword
    baseDN
    filter: "(objectClass=person)"
    uid: "uid"
    scope: "2"
    timeout: "5"
    verifyCert: "True"
email:
    host: "smtp.mydomain.com"
    port: "25"
    username: "sample_admin@mydomain.com"
    password: "password"
    ssl: "false"
```

Cancel   BACK   NEXT

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Deploy New Solution

In just a few easy steps, you can deploy a Solution to your Project.

Workspace
Default Workspace

Cluster
Fragrant Fire

Project
Super Awesome Project

✓ Choose a Provider

✓ Choose Package

✓ Configure Package

④ **Review and Confirm**

‹ Back to Solution Listing

Step 4: Review and Confirm

Please review and confirm the Cluster settings below. You can click "edit" in any section to make changes.

HARBOR

Package Information   ☑ Edit

PACKAGE   Harbor

HARBOR

PACKAGE INFO

Example   Bitnami
Example   0.2.0

Package Configuration   ☑ Edit

PACKAGE NAME   Harbor Package Example   **CLUSTER**   Fragrant Fire

Kubernetes Name   harbor-package-example   **VERSION**   1.13.1

YAML FILE ⓘ   ☑ Edit

Cancel   BACK   CREATE

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Deploy New Solution

In just a few easy steps, you can deploy a Solution to your Project.

1 **Select Solution Type**

2 Configure Tracker

3 Review and Confirm

< Back to Solution Listing

CHARTS

Install a Solution (or set of Solutions) based on a Helm chart. Choose from our gallery of supported Solutions, or bring your own charts to build your custom Solution.

TRACKER ✓

Install Charts directly to your Kubernetes Cluster and then add Trackers to your NKS interface in order to track and monitor these packages.

SELECT NAMESPACE

Choose an existing Namespace to create a new Solution

Rad Namespace *(Cluster: Pale Pasta)*   ▼

🔍 R

Rad Namespace *(Cluster: Pale Pasta)*

Reptile Shower *(Cluster: Rich Ocean)*

Cancel   BACK   NEXT

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Deploy New Solution

In just a few easy steps, you can deploy a Solution to your Project.

Workspace
Default Workspace

Cluster
Fragrant Fire

Namespace
Super Awesome Project

✓ Select Solution Type

② Configure Tracker

③ Review and Confirm

< Back to Solution Listing

Step 2: Choose Labels to Track

Monitor and manage your custom deployments by tracking labels in your Project Cluster.

TRACKER NAME

Custom Tracker Solution

ADD LABELS TO TRACK ⓘ

Type labels to track. Tracked labels will show below. Trackers will only track objects in the same namespace as the project name.

Q Label to track....

Tracked Labels ☑ Edit

| K8s-app: kube-dns | K8s-app: heapster | version: v1.4.2 | K8s-app: kube-dns | K8s-app: heapster |

| app: helm | app: trident.netapp.io | version: v1.4.2 | app: helm | version: v1.4.2 |

Cancel   BACK   NEXT

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Deploy New Solution

In just a few easy steps, you can deploy a Solution to your Project.

Workspace
Default Workspace

Cluster
Fragrant Fire

Namespace
Super Awesome Project

✓ Select Solution Type

✓ Configure Tracker

③ Review and Confirm

‹ Back to Solution Listing

Step 3: Review and Confirm

Please review and confirm the Solution settings below. You can click "edit" in any section to make changes.

Tracker Information   ◻ Edit

TRACKER NAME   Custom Tracker Solution

Kubernetes Name   custom-tracker-solution

Tracked Labels   ◻ Edit

| K8s-app: kube-dns | K8s-app: heapster | version: v1.4.2 | K8s-app: kube-dns | K8s-app: heapster |

| app: helm | app: trident.netapp.io | version: v1.4.2 | app: helm | version: v1.4.2 |

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+ SOLUTION

⬡ Site Frontend App
⭐ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

◉ mysql Solution
⭐ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

⬡ Elastisearch fluentd Kibana (Efk)
⭐ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

⬡ Development Box
☆ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

⬡ Le Krewe D'etat
☆ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

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Solutions > Development Box

Development Box

Created by: Johnny Cash on May 27, 2019

Overview   Settings   Logs

+ SOLUTION   ACTIONS ▾

Details ⌄   23 Deployments | 16 Services   ✅ Running

Package Info

Kube-Registry-Proxy
v 0.3.1

Namespace   polished-deer   ⧉

Name   amber-bicycle   ⧉

Installation Notes

Connecting to Kafka from inside Kubernetes

You can connect to Kafka by running a simple pod in the K8s cluster like this with a configuration like this:

    apiVersion: v1
    kind: Pod
    metadata:

Deployments (23) ⓘ

	Hostname	Replicas		Services		
✅	custom-demo-app	2	✏ Edit	demo-app-python	⧉ http://127.0.0.1	⋮
✅	netrewv8fr-master-2	3	Save Cancel	demo-app-python	⧉ http://127.0.0.1	⋮
✅	netrewv8fr-master-3	287	Save Cancel	demo-app-python	⧉ http://127.0.0.1	⋮
⚠	netrewv8fr-master-4	25	✏ Edit	demo-app-python	⧉ http://127.0.0.1	⋮
⛔	netrewv8fr-master-5	50	✏ Edit	demo-app-python	⧉ http://127.0.0.1	⋮

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Solutions

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+ SOLUTION

⊛ **Site Frontend App**
★ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

◉ **mysql Solution**
★ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

⊛ **Elastisearch fluentd Kibana (Efk)**
★ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

⊛ **Development Box**
★ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

⊛ **Le Krewe D'etat**
★ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

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Solutions > **Development Box**

Development Box

Created by: Johnny Cash on May 27, 2019

Overview   Settings   Logs

+ SOLUTION   **ACTIONS ▾**

Details ⌄   23 Deployments | 16 Services   ⊗ Error: Helm Update Failed

Error **HelmUpdate Failed:** No matches for kind "StatefulSet" in version "apps/v1beta1"   Show More Details

Package Info

☸ **Kube-Registry-Proxy**
v 0.3.1

Namespace   polished-deer   ⧉
Name   amber-bicycle   ⧉

Installation Notes

Connecting to Kafka from inside Kubernetes

You can connect to Kafka by running a simple pod in the K8s cluster like this with a configuration like this:

apiVersion: v1
kind: Pod
metadata:

Deployments (23) ⓘ

	Hostname	Replicas		Services	
✅	custom-demo-app	2	☑ Edit	demo-app-python	☑ http://127.0.0.1	⋮
✅	netrewv8fr-master-2	3	Save Cancel	demo-app-python	☑ http://127.0.0.1	⋮
✅	netrewv8fr-master-3	287	Save Cancel	demo-app-python	☑ http://127.0.0.1	⋮
⚠	netrewv8fr-master-4	25	☑ Edit	demo-app-python	☑ http://127.0.0.1	⋮
❗	netrewv8fr-master-5	50	☑ Edit	demo-app-python	☑ http://127.0.0.1	⋮

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🧊 **Site Frontend App**
⭐ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

⊚ **mysql Solution**
⭐ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

🧊 **Elastisearch fluentd Kibana (Efk)**
⭐ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

🧊 **Development Box**
⭐ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

🧊 **Le Krewe D'etat**
⭐ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

Solutions > Development Box

Development Box

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Overview   **Settings**   Logs

+ SOLUTION   ACTIONS ▾

PACKAGE NAME ⓘ

Development Box   ☑ Edit

K8s-namespace: ⓘ custom-demo-app

UPDATE PRIVATE DEPLOY KEY

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+ SOLUTIONS

⬡ **Site Frontend App**
☆ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

◉ **mysql Solution**
★ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

⬡ **Elastisearch fluentd Kibana (Efk)**
★ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

⬡ **Development Box**
☆ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

⬡ **Le Krewe D'etat**
☆ Favorite
Namespace: Awesome Sauce
Cluster: Super Cluster

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Solutions > **Development Box**

Development Box

Created by: Johnny Cash on May 27, 2019

Overview   Settings   **Logs**

+ SOLUTION   **ACTIONS ▾**

```
Waiting for logs to arrive…
```

Resources

Providing Users with Add-On Solutions to Enhance, Secure, and Manage Applications.

NKS provides a curated selection of solutions from scaling, data visualization, security, and much more. Users can select any combination and quickly spin them up in a cluster. When users pick a solution from this gallery, they can be confident it will run and scale with sophisticated cloud-native applications running across public and private cloud infrastructure. Users can also intall their own solutions by importing charts.

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Kubernetes Service

NetApp

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NKS Solutions Gallery

The NetApp Kubernetes Services Gallery providers users with add-on solutions to enhance, secure, and manage applications.

The gallery includes a curated selection of solutions from scaling, data visualization, security, and much more. Select any combination from below and quickly spin them up in a cluster. When you choose a solution from this gallery, you can be confident it will run and scale with sophisticated cloud-native applications running across public and private cloud infrastructure. **Want to bring your own Solutions?** Install a Packaged Chart Repository with **My Charts**.

Filter ≡   🔍 Search for a app, service, or solution

SOLUTION TYPE	CATEGORY/TAG	✕
All ▼	All ▼	

☑ All
☐ Platform-as-a-Service
☐ Cloud Volumes
☐ Scaling
☐ Proxy
☐ Logging
☐ Monitoring
☐ Intelligent Workload Management
☐ Continuous Integration
☐ Network Policy
☐ Service Mesh
☐ Security
☐ Enterprise Registry

Reset   APPLY

+ INSTALL

Gitlab ⬈
CMS, Blog, Application

cycle & DevOps

A Full Software Development Lifecycle & DevOps Tool in a Single Application.

APP VERSION **5.3.0** | CHART VERSION **5.3.0**

+ INSTALL

🔥 **Prometheus**
CMS, Blog, Application

Power your metrics and alerting with a leading open-source monitoring solution.

APP VERSION **5.3.0** | CHART VERSION **5.3.0**

AL

+ INSTALL

Istio ⬈
CMS, Blog, Application

Connect, secure, control and observe services.

APP VERSION **5.3.0** | CHART VERSION **5.3.0**

+ INSTALL

○ JFrog **ARTIFACTORY**

JFrog Artifactory ⬈
CMS, Blog, Application

Enterprise Universal Repository Manager

APP VERSION **5.3.0** | CHART VERSION **5.3.0**

+ INSTALL

👁 JFrog **XRAY**

JFrog Xray ⬈
CMS, Blog, Application

Continuous Security and Universal Artifact Analysis

APP VERSION **5.3.0** | CHART VERSION **5.3.0**

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Repositories

Package solutions imported for the current organization appear below.

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+ CHART REPOSITORY

✅ **My Project 2**
35 Charts

✅ **Package**
70 Charts

✅ **psqltest**
19 Charts

✅ **mdn-charts**
8 Charts

✅ **Test2**
36 Charts

✅ **Shawnr-test-charts**
279 Charts

✅ **icy-frog-charts**
1 Chart

My Charts > **psqltest**

Repository: psqltest

Created by: Johnny Cash on May 27, 2019

Overview   **+ INSTALL PACKAGE SOLUTION**   **ACTIONS ⌄**

Packaged Charts URL   ✅ Indexed

github.com/helm/charts/stable/postgresql   Last synced 05/06/20 08:14:34 AM

Installed Charts

Filter ≡   ⊞ Card View   ≡ List View   🔍 Search

Wordpress

Web publishing platform for building blogs and websites.

App Version: 5.3.0 | Chart Version: 8.0.1 | Tags: Wordpress, CMS, blog, http, web, application, php

Chart URL: github.com/bitnami/bitnami-docker-wordpress   Homepage: http://www.wordpress.com

WORDPRESS

+ ADD TO PROJECT

postgresql

Web publishing platform for building blogs and websites.

App Version: 5.3.0 | Chart Version: 8.1.0 | Tags: postgres, database, sql, replication, cluster

Chart URL: github.com/bitnami/bitnami-docker-postgresql   Homepage: http://www.postgresql.com/

PostgreSQL

+ ADD TO PROJECT

fluentd

Web publishing platform for building blogs and websites.

App Version: 5.3.0 | Chart Version: 8.1.0 | Tags: logging, logs, data, collector

Chart URL: github.com/bitnami/bitnami-docker-fluentd   Homepage: http://www.fluentd.com/

fluentd

+ ADD TO PROJECT

phabricator

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✅ Package
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✅ psqltest
19 Charts

✅ mdn-charts
8 Charts

✅ Test2
36 Charts

✅ Shawnr-test-charts
279 Charts

✅ icy-frog-charts
1 Chart

Chart Repositories > psqltest

Chart Repo: psqltest

Created by: Johnny Cash on May 27, 2019

Overview

+ INSTALL PACKAGE SOLUTION   **ACTIONS ▾**

Packaged Charts URL   ✅ Indexed

github.com/helm/charts/stable/postgresql   Last synced 05/06/20 08:14:34 AM

Installed Charts

Filter ☰   ⊞ Card View   ☰ List View   🔍 Search

Chart Name	App Version	Chart Version	Chart URL	Actions
Wordpress	5.3.0	8.0.1	github.com/bitnami/bitnami-docker-wordpress	⋮
postgresql	5.2.0	6.0.2	github.com/bitnami/bitnami-docker-wordpress	⋮
fluentd	8.2.0	4.8.2	github.com/bitnami/bitnami-docker-wordpress	⋮
phabricator	9.5.1	6.8.0	github.com/bitnami/bitnami-docker-wordpress	⋮

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Repositories

Package solutions imported for the current organization appear below.

🔍 Search

+ CHART REPOSITORY

✅ My Project 2
35 Charts

✅ Package
70 Charts

✅ psqltest
19 Charts

✅ mdn-charts
8 Charts

✅ Test2
36 Charts

✅ Shawnr-test-charts
279 Charts

✅ icy-frog-charts
1 Chart

My Charts > **psqltest**

Repository: psqltest

Created by: Johnny Cash on May 27, 2019

Overview

+ INSTALL PACKAGE SOLUTION   **ACTIONS ▾**

↻ Re-sync
Last synced 05/06/20 08:14:34 AM

🗑 Delete Chart Repository

Packaged Charts URL

github.com/helm/charts/stable/postgresql

Installed Charts

Filter ≡   ⊞ Card View   ≡ List View   🔍 Search

Wordpress

Web publishing platform for building blogs and websites.

App Version: 5.3.0 | Chart Version: 8.0.1 | Tags: Wordpress, CMS, blog, http, web, application, php

Chart URL: github.com/bitnami/bitnami-docker-wordpress   Homepage: http://www.wordpress.com

WORDPRESS

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Web publishing platform for building blogs and websites.

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Chart URL: github.com/bitnami/bitnami-docker-postgresql   Homepage: http://www.postgresql.com/

PostgreSQL

+ ADD TO PROJECT

fluentd

Web publishing platform for building blogs and websites.

App Version: 5.3.0 | Chart Version: 8.1.0 | Tags: logging, logs, data, collector

Chart URL: github.com/bitnami/bitnami-docker-fluentd   Homepage: http://www.fluentd.com/

fluentd

+ ADD TO PROJECT

phabricator

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Chart Repositories

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🔍 Search

+ CHART REPOSITORY

✓ **All Chart Repos**
395 Charts

✓ **Package**
70 Charts

✓ **psqltest**
19 Charts

✓ **mdn-charts**
8 Charts

✓ **Test2**
36 Charts

✓ **Shawnr-test-charts**
279 Charts

✓ **icy-frog-charts**
1 Chart

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Chart Repositories > **psqltest**

Chart Repo: psqltest

Created by: Johnny Cash on May 27, 2019

Overview

+ INSTALL PACKAGE SOLUTION   **ACTIONS ▾**

Packaged Charts URL   🔴 Unindexed

github.com/helm/charts/stable/postgresql   Last synced 05/06/20 08:14:34 AM

Installed Charts

Filter ⇅   ▦ Card View   ≡ List View   🔍 Search

Wordpress
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Chart URL: github.com/bitnami/bitnami-docker-fluentd   Homepage: http://www.fluentd.com/

fluentd

+ ADD TO PROJECT

phabricator

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Package solutions imported for the current organization appear below.

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+ CHART REPOSITORY

All Chart Repos
395 Charts

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70 Charts

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19 Charts

mdn-charts
8 Charts

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36 Charts

Shawnr-test-charts
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icy-frog-charts
1 Chart

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Chart Repositories > **psqltest**

Chart Repo: psqltest

Created by: Johnny Cash on May 27, 2019

Overview

+ INSTALL PACKAGE SOLUTION   **ACTIONS ▾**

Packaged Charts URL
github.com/helm/charts/stable/postgresql

↻ Indexing...
Last synced 05/06/20 08:14:34 AM

Installed Charts

Filter ≡   ⊞ Card View   ≡ List View

Search

Wordpress
Web publishing platform for building blogs and websites.
App Version: 5.3.0 | Chart Version: 8.0.1 | Tags: Wordpress, CMS, blog, http, web, application, php

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PostgreSQL

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Chart URL: github.com/bitnami/bitnami-docker-fluentd   Homepage: http://www.fluentd.com/

fluentd

+ ADD TO PROJECT

phabricator

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Package solutions imported for the current organization appear below.

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Chart Repositories > **psqltest**

Chart Repo: psqltest

Created by: Johnny Cash on May 27, 2019

Overview   **+ INSTALL PACKAGE SOLUTION**   **ACTIONS ▾**

✅ **All Chart Repos**
395 Charts

Packaged Charts URL   ❗ **Failed** Retry sync?

github.com/helm/charts/stable/postgresql   Last synced 05/06/20 08:14:34 AM

✅ **Package**
70 Charts

Installed Charts

✅ **psqltest**
19 Charts   Filter ☰   ⊞ Card View ☰ List View   🔍 Search

✅ **mdn-charts**
8 Charts

✅ **Test2**
36 Charts

✅ **Shawnr-test-charts**
279 Charts

✅ **icy-frog-charts**
1 Chart

Wordpress

Web publishing platform for building blogs and websites.

App Version: 5.3.0 | Chart Version: 8.0.1 | Tags: Wordpress, CMS, blog, http, web, application, php

Chart URL: github.com/bitnami/bitnami-docker-wordpress   Homepage: http://www.wordpress.com

+ ADD TO PROJECT

postgresql

Web publishing platform for building blogs and websites.

App Version: 5.3.0 | Chart Version: 8.1.0 | Tags: postgres, database, sql, replication, cluster

Chart URL: github.com/bitnami/bitnami-docker-postgresql   Homepage: http://www.postgresql.com/

+ ADD TO PROJECT

fluentd

Web publishing platform for building blogs and websites.

App Version: 5.3.0 | Chart Version: 8.1.0 | Tags: logging, logs, data, collector

Chart URL: github.com/bitnami/bitnami-docker-fluentd   Homepage: http://www.fluentd.com/

+ ADD TO PROJECT

phabricator

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Import New Chart

In just a few easy steps, you can deploy a Solution to your Project.

① Configure Packaged Charts

② Select Repository

‹ Back to My Charts

Step 1: Configure Packaged Charts

Language about needing these to be Packaged Charts. NKS currently requires Packaged Helm Charts.

CHART REPOSITORY NAME

Provide a name representing your chart repo. Lowercase letters, digits, and dashes only.

little-cello-charts

PACKAGED CHARTS URL

Complete URL with basic auth parameters (if any)

Example: https://github.com/bitnami/charts + ADD URL
Example: https://github.com/mdn/helm-charts + ADD URL
Example: https://github.com/kubernetes/charts/tree/master/stable/sugarcrm + ADD URL

Packaged Charts URL here

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Cancel   FETCH MY REPOS   REVIEW REPOSITORY

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Import New Chart

In just a few easy steps, you can deploy a Solution to your Project.

✓ Select Source

② Review Repository

< Back to My Charts

Step 2: Review Repository

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Source Information   ☑ Edit

SOURCE	Packaged Charts	**REPO TYPE**	Single-chart
CHART REPO NAME	little-cello-charts	**ACCESS VERIFIED**	❗ URL: Organization Presenters Org already has a chart repo with this URL
PACKAGED CHARTS URL	https://github.com/bitnami/charts		

Cancel   BACK   SAVE REPOSITORY

Organization

Promoting Collaboration and Team Management

NKS's account managment was built around creating Teams, Workspaces and Organizations to divide the user's workloads and allow access control within the application. Building Teams and adding Members is an important part of promoting collaboration within NKS and users can easily add and edit essential credentials in their Organization Setup page.

NetApp
Kubernetes Service

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Organization Setup

🔵 **Subpop Coffee** ✎

Provider Credentials

Collections of security keys used to access provider services.

+ PROVIDER CREDENTIALS

Name	Provider	Workspace	Storage	Actions
Prod Team Azure Credentials	Microsoft Azure	Default Workspace	Activate Azure NetApp Files	⋮
Some-Other-Credentials	aws	Prod Team Workspace		⋮
Shannon Credentials 1	vmware	Awesome Sauce, Default Workspace		⋮
Reykjavík	NetApp | HCI	Organization Wide Access		⋮

✎ View/Edit Details

🗑 Delete

Solution Credentials

Collections of security keys used to install solutions.

+ SOLUTION CREDENTIALS

Name	Solution	Workspace	Actions
istio_root_ca	⛵ Istio	Organization Wide Access	⋮

Backup Credentials

Collections of security keys used to access backup services.

+ BACKUP CREDENTIALS

Name	Provider	Workspace	Actions
Example Credentials	vmware	Default Workspace	⋮

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Organization Setup > Provider Credentials: Reykjavík > **Credential Info**

Reykjavík

Info   Configuration Details

ACTIONS ▾

🗑 Delete Credentials

Provider

NetApp | HCI

Workspace Access ✏ Edit

Organization Wide Access

DEFAULT ZONE ✏ Edit

VSphere resources used for cluster creation.

Data Center	**Primary Network**
NetApp-HCI-Datacenter-1	NKS-VM-Network
Resource Pool	**Storage Network**
resgroup-8240	—
Data Store	
Datastore-1	

ELEMENT ✏ Edit

Element storage authentication details for your HCI box.

MVIP	**Username**
10.10.10.10	solidfire15
SVIP	**Password**
20.20.20.20	••••••••

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☑ Documentation

Organization Setup > Provider Credentials: Reykjavík > **Configuration Details**

Reykjavík

Info   **Configuration Details**

ACTIONS ▾

🗑 Delete Credentials

Information reported from the OnPrem Installation.

APPLICATIONS

Info here about application data reported.

Certwatcher	Nks-agent	Chandler	K8s-proxy-xds	Kube-rbac-proxy
v0.0.1	v0.0.4	1.5.2-b7fcf4c	0.1.0-17df13d	v0.4.0
Agent-proxy	**Dispatch-agent**	**Prometheus**	**Cluster-api**	**Cluster-api-bootstrap-provider-kubeadm**
latest	v0.0.3	v2.13.1	netapp-2b50165a6	netapp-92a4bad
Envoy	**Dispatch**	**Vshpere-manager**	**Cluster-api-provider-vsphere**	
v1.11.1	1.0.0	1.3.0-5fbd8ae	netapp-2b50165a	

HARDWARE DETAILS 1

Info here about hardware data reported.

Vendor	CPU Model	Logical CPU
NetApp	Intel(R) Xeon(R) CPU E5-2620 v4 @ 2.10GHz	32
Model		**Memory**
HC300E		383
Dispatch-agent	**UUID**	**Disk**
v0.0.3	00000000-0000-0000-0000-ac1f6b0f8a3c	3999

HARDWARE DETAILS 2

Info here about hardware data reported.

Vendor	CPU Model	Logical CPU
NetApp	Intel(R) Xeon(R) CPU E5-2620 v4 @ 2.10GHz	32
Model		**Memory**

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Members

Members   **Pending Invitations**   + MEMBER

FILTER ≡   🔍

Name	Email	Role	Teams	Date Added ▾	Actions
Jackie Hopkins	jhopkins@sunrecords.com	Member	Everyone, Everest	January 2, 2019	⋮
Carol Danvers	cdanvers@sunrecords.com	Admin	Everyone, Everest, Storage Group, Zion Team	January 1, 2019	⋮
Anna Zee	azee@sunrecords.com	Member	Everyone,Storage Group, Zion Team	Janu	⋮
Arghavan Parmer	aparmer@sunrecords.com	Member	Everyone, Zion Team	January 1, 2019	⋮

✉ Resend Invitation Email
🔗 Copy Invitation Link
🗑 Remove Member

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Invite a Member

Add a member to your organization
and invite them to your teams.
Learn more about member roles.

① **Add Member**

② Choose Teams

③ Review and Confirm

< Back to Members

Step 1: Add Member Information
Adding members is a great way to provide secure access to solutions and credentials.

NAME

Antony Kidd

EMAIL

antonykidd@sunrecords.com

ROLE

Member ▾

Admin
Member

Cancel   BACK   NEXT

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Invite a Member

Add a member to your organization and invite them to your teams.
Learn more about member roles.

✓ Add Member

② Choose Teams

③ Review and Confirm

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Step 2: Invite Member to Teams
Add member to teams now or later. The new member will automatically be added to the team named *Everyone*.

TEAMS (1)

FILTER ☰   🔍

☑	Name	Created By	Date Created ▼
☑	Everest	June Cash	January 3, 2019
☐	Marketing	Elfar Braji Bryjarsson	January 1, 2019
☐	Memphis Team	Simon Cor	January 1, 2019
☐	Sun Records Admin	James West	January 1, 2019
☐	Storage Group	Johnny Cash	January 1, 2019
☐	Zion Team	Johnny Cash	January 1, 2019

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Invite a Member

Add a member to your organization and invite them to your teams.
Learn more about member roles.

✓ Add Member

✓ Choose Teams

3 Review and Confirm

< Back to Members

Step 3: Review and Confirm Invitation to *Sun Records*

Please review and confirm the member information below. You can click "edit" in any section to make changes.

Member Information ⧉ Edit

NAME   Antony Kidd

EMAIL   antonykidd@sunrecords.com

ROLE   Member

Team Access ⧉ Edit

TEAMS (1)   Everest

Cancel   BACK   INVITE

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Teams

🔍 Search ✕

List Alphabetically ▾

+ TEAM

Everyone
12 Members | 1 Workspace

Everest
7 Members | 3 Workspaces

Marketing
3 Members | 5 Workspaces

Memphis Team
5 Members | 2 Workspaces

Sun Records Admin
5 Members | 2 Workspaces

Storage Group
5 Members | 2 Workspaces

Zion Team
5 Members | 2 Workspaces

Everest

Created by: Johnny Cash on January 2, 2019

Team includes our developers from the Everest app.

Members   Workspaces   Pending Invitations

+ MEMBER   ACTIONS ⌄

✏ Edit Team
🗑 Delete Team

FILTER ⇄   🔍

Name	Role	Teams	Date Added ▾	Actions
Johnny Cash	Owner Subscription Manager	Everyone, Everest, Marketing, Memphis Team, Sun Records Admin, Storage Group, Zion Team	January 2, 2019	⋮
June Cash	Admin Subscription Manager	Everyone, Everest, Storage Group, Zion Team... +3 Show All	January 2, 2019	⋮
Elfar Hamilton	Admin	Everyone, Everest, Storage Group	January 2, 2019	⋮
Simon Cor	Member	Everyone, Everest, Zion Team	January 2, 2019	⋮
James West	Member	Everyone, Everest, Storage Group, Zion Team	Janua...	✏ Edit Member 🗑 Remove Member
Leah Reddy	Member	Everyone, Everest	January 2, 2019	⋮
Rajesh Karra	Member	Everyone, Everest, Storage Group, Zion Team	January 2, 2019	⋮

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Teams

Search

List Alphabetically ▾

+ TEAM

Everyone
12 Members | 1 Workspace

Everest
7 Members | 3 Workspaces

Marketing
3 Members | 5 Workspaces

Memphis Team
5 Members | 2 Workspaces

Sun Records Admin
5 Members | 2 Workspaces

Storage Group
5 Members | 2 Workspaces

Zion Team
5 Members | 2 Workspaces

Everest

Created by: Johnny Cash on January 2, 2019

Team includes our developers from the Everest app.

Members   **Workspaces**   Pending Invitations

+ MEMBER   ACTIONS ▾

✎ Edit Team

🗑 Delete Team

FILTER �   🔍

Name	All Teams	Created By	Updated ▾	Actions
Default Workspace	Everyone Everest Storage Group Zion Team	NKS	10/29/2019	⋮
Application Wizard	Everest Zion Team	June Cash	10/28/2019	⋮
Development	Everest Storage Group	Elfar Braji Bryjarsson	10/20/2019	⋮

✎ Edit Workspace

🗑 Remove Team from Workspace

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Teams

🔍 Search   ✕

List Alphabetically   ⌄

+ TEAM

Everyone
12 Members | 1 Workspace

Everest
7 Members | 3 Workspaces

Marketing
3 Members | 5 Workspaces

Memphis Team
5 Members | 2 Workspaces

Sun Records Admin
5 Members | 2 Workspaces

Storage Group
5 Members | 2 Workspaces

Zion Team
5 Members | 2 Workspaces

Everest

Created by: Johnny Cash on January 2, 2019

Team includes our developers from the Everest app.

Members   Workspaces   **Pending Invitations**   + MEMBER   ACTIONS ▾

✏ Edit Team
🗑 Delete Team

FILTER ≡   🔍

Name	Email	Role	Teams	Date Invited ▾	Actions
👤 Jackie Hopkins	jhopkins@sunrecords.com	Member	Everyone, Everest	January 2, 2019	⋮

✉ Resend Invitation Email
🔗 Copy Invitation Link
🗑 Remove Member

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Add a Team

Create teams to organize users and manage their access within your organization.
Learn more about teams.

1 **Add Team Information**

2 Add Members to Team

3 Add Team to Workspaces

4 Review and Confirm

< Back to Teams

Step 1: Add Team Information

TEAM NAME

QA Team

TEAM DESCRIPTION
Provide a description to easily identify your team's purpose within the organization.

This is our QA squad that works on App 12.

Cancel   **NEXT**

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Create teams to organize users and manage their access within your organization.
Learn more about teams.

✓ Add Team Information

② Add Members to Team

③ Add Team to Workspaces

④ Review and Confirm

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Step 2: Add Members to Your Team

Choose the members you'd like to add to this team. You can add or remove members at any time.

MEMBERS (7)

FILTER ≡   🔍

☐		Name	Role	Date Added ▾
☑		Johnny Cash	Owner	January 1, 2019
☑		June Cash	Admin	January 1, 2019
☑		Elfar Braji Bryjarsson	Admin	January 1, 2019
☑		Simon Cor	Member	January 1, 2019
☑		James West	Member	January 1, 2019
☐		Leah Giorno	Member	January 1, 2019
☐		Rajesh Reddy Karra	Member	January 1, 2019
☐		Patricia Garza	Member	January 1, 2019
☑		Ana-Maria Nichita	Member	January 1, 2019
☐		Douglas Wallace	Member	January 1, 2019
☐		Nathan Thomspon	Member	January 1, 2019
☑		Nicole Rice	Member	January 1, 2019

Cancel   BACK   NEXT

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Add a Team

Create teams to organize users and manage their access within your organization.
Learn more about teams.

✓ Add Team Information

✓ Add Members to Team

③ Add Team to Workspaces

④ Review and Confirm

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Step 3: Add Your New Team to Workspaces
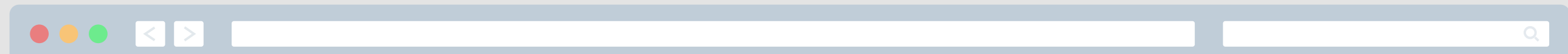
Choose the workspaces you want to this team to have access too. You can easily do this later in Workspaces Settings.

WORKSPACES (2)

FILTER ≡   🔍

☑		Name	Created By	Date Created ▼
☑		Default Workspace	NKS	January 1, 2019
☐		Admins	Admin	January 1, 2019
☐		Application Wizard	Admin	January 1, 2019
☐		Development	Member	January 1, 2019
☑		Zion	Member	January 1, 2019

Cancel   BACK   NEXT

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Add a Team

Create teams to organize users and manage their access within your organization.
Learn more about teams.

✓ Add Team Information

✓ Add Members to Team

✓ Add Team to Workspaces

④ Review and Confirm

< Back to Teams

Step 4: Review and Confirm Your Team

Please review and confirm the team information below. You can click "edit" in any section to make changes.

Team Information ✎ Edit

NAME   QA Team

DESCRIPTION   This is our QA squad that works on App 12.

Members ✎ Edit

MEMBERS (7)   Johnny Cash   Simon Cor

              June Cash   Ana-Maria Nichita

              James West   Nicole Rice

              Elfar Braji Bryjarsson

Workspace Access ✎ Edit

WORKSPACES (2)   Default Workspace

                 Zion

Cancel   BACK   CREATE

Help & Docs

Providing Users with the Information They Need To Easily Run their Applications

With NKS's Support, Documentation and Onboarding features, users are provided with the information they need to keep their applications running and enable a quick troubleshooting process for issues that arise.

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Kubernetes Service

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Support

NetApp Support Account Information

NetApp Serial Number   08889994448881222   📋 COPY
NKS Account Number   023894039489921   📋 COPY

Support activation is required to enable support with NetApp through chat, ticket or phone.
Activate Support at register.netapp.com.

Activate Support

TECHNICAL SUPPORT

Reach out to our support team with questions or issues via chat, email, phone or by opening a support ticket.

👤 SUPPORT TICKET   📞 CALL SUPPORT   💬 CHAT SUPPORT   ✉ EMAIL SUPPORT

SALES SUPPORT

Questions about your subscription or how to integrate with NKS?

EMAIL OUR SALES TEAM

sales@nks.netapp.io

NETAPP KNOWLEDGE BASE

Search through the NetApp Knowledge Base to find helpful articles.

FAQ | HOW TO | FIXES

NKS DOCUMENTATION

Get to know NKS and explore our features. If you're new to NKS and Kubernetes, we suggest you begin with our Getting Started Guide.

TOP 3 DOCUMENTATION ARTICLES

1. Enable NKS for Your NetApp HCI Account

2. Getting Started: Intro to NKS
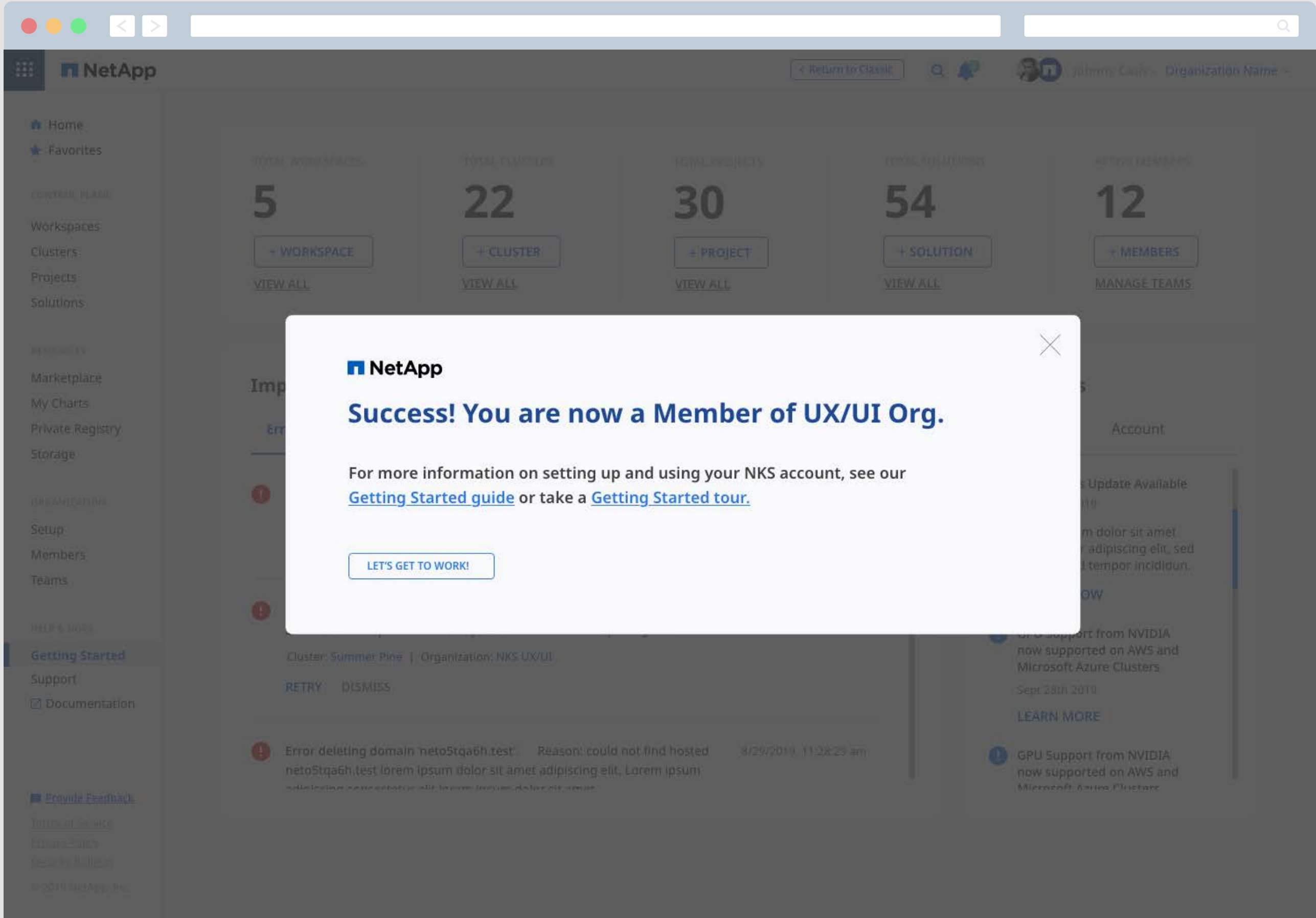
3. What's New at NKS

COMMUNITY

Join our Slack members to talk all things NKS and Kubernetes and attend one of our Kubernetes meetups!

JOIN NKS SLACK

slack.nks.netapp.io

ATTEND A MEETUP

↗ Berlin Kubernetes Meetup   ↗ New York Kubernetes Meetup
↗ Chicago Kubernetes Meetup   ↗ San Francisco Kubernetes Meetup
↗ Los Angeles Kubernetes Meetup   ↗ Seattle Kubernetes Meetup

Welcome to NetApp Kubernetes Service (NKS)

You've been invited to join the Organization UX/UI Org as a Member.

Join this Organization now?

NOT NOW   ACCEPT

NetApp

Success! You are now a Member of UX/UI Org.

For more information on setting up and using your NKS account, see our Getting Started guide or take a Getting Started tour.

LET'S GET TO WORK!

NetApp

Welcome to NetApp Kubernetes Service (NKS)

NKS lets you easily create and manage Kubernetes clusters. We have sent a welcome email to *hshannon@netapp.com* with helpful tips and information.

▶ **Take a Getting Started tour!**

CLUSTERS

Create and manage Kubernetes clusters on any cloud, public or private. The NKS dashboard gives you a clean, simple layout for using and managing Kubernetes.

ACCESS

Use Workspaces and Teams to organize your members and control their access to clusters and provider credentials. Simplify the integration of Kubernetes into your DevOps workflow.

DEPLOYMENT

Define helm charts (upstream, curated or bring-your-own) to deploy on your clusters and we manage the rollout. We also have an API and a Terraform provider plug-in, for power users.

For more information on setting up and using your NKS account, see our Getting Started guide

LET'S GET TO WORK!

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Deploy and keep track of your Kubernetes Clusters

GOT IT   LEARN MORE

TOTAL WORKSPACES	TOTAL CLUSTERS	TOTAL PROJECTS	TOTAL SOLUTIONS	ACTIVE MEMBERS
5	**22**	**30**	**54**	**12**
ORKSPACE	+ CLUSTER	+ PROJECT	+ SOLUTION	+ MEMBERS
LL	VIEW ALL	VIEW ALL	VIEW ALL	MANAGE TEAMS

Important Alerts   Clusters ▼

Errors   Warnings   Recent Changes   🔍

⚠ Error installing dashboard. Reason: conflict HTTP response headers   8/29/2019, 11:28:29 am
   Cluster: Smart Disc | Organization: Presenters Org

   RETRY   DISMISS

⚠ Error deleting domain 'neto5tqa6h.test'. Reason: could not find hosted   8/29/2019, 11:28:29 am
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   Cluster: Summer Pine | Organization: NKS UX/UI

   RETRY   DISMISS

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⚠ Error installing dashboard. Reason: conflict HTTP response headers   8/29/2019, 11:28:29 am
   Cluster: Smart Disc | Organization: Presenters Org

   RETRY   DISMISS

⚠ Error deleting domain 'neto5tqa6h.test'. Reason: could not find hosted   8/29/2019, 11:28:29 am

NKS Alerts

Updates   Account

⚠ **Kubernetes Update Available**
   Sept 28th 2019

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   UPDATE NOW

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TOTAL WORKSPACES
5
+ WORKSPACE
VIEW ALL

TOTAL CLUSTERS
22
+ CLUSTER
VIEW ALL

TOTAL PROJECTS
30
+ PROJECT
VIEW ALL

TOTAL SOLUTIONS
54
+ SOLUTION
VIEW ALL

ACTIVE MEMBERS
12
+ MEMBERS
MANAGE TEAMS

3/5
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Clusters ▾

Errors   Warnings   Recent Changes

⊘ Error installing dashboard. Reason: conflict HTTP response headers   8/29/2019, 11:28:29 am
Cluster: Smart Disc | Organization: Presenters Org
RETRY   DISMISS

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Cluster: Smart Disc | Organization: Presenters Org
RETRY   DISMISS

⊘ Error deleting domain 'neto5tqa6h.test'. Reason: could not find hosted   8/29/2019, 11:28:29 am

NKS Alerts

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❗ Kubernetes Update Available
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