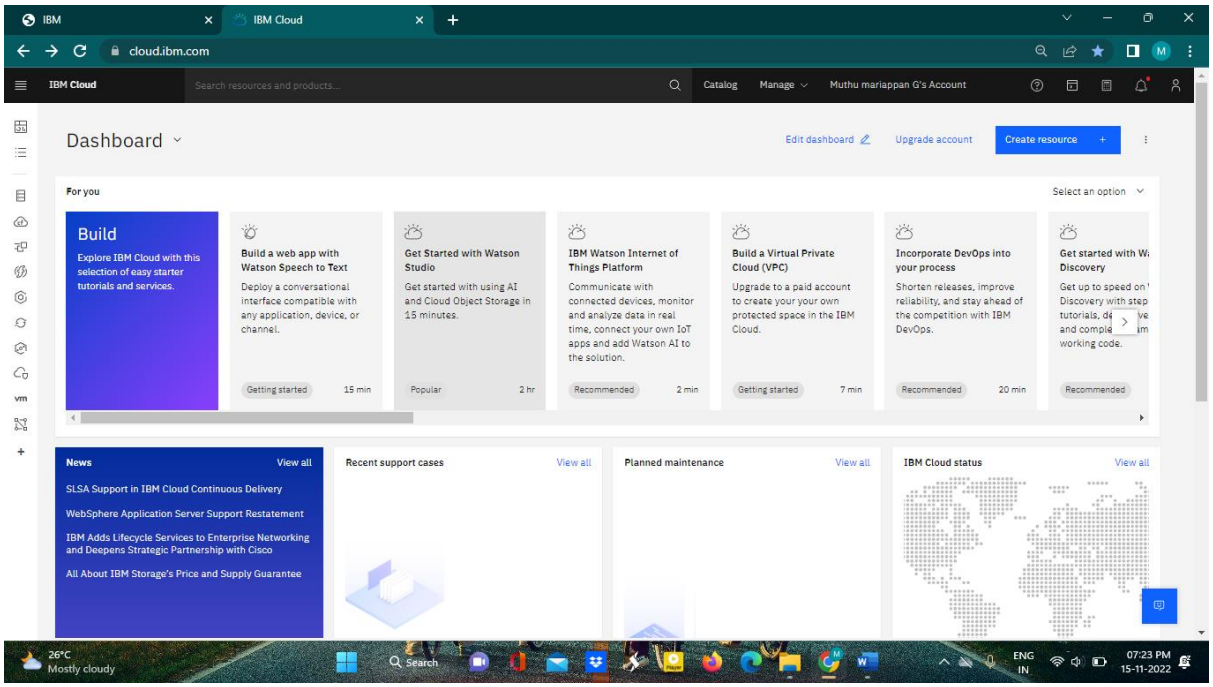
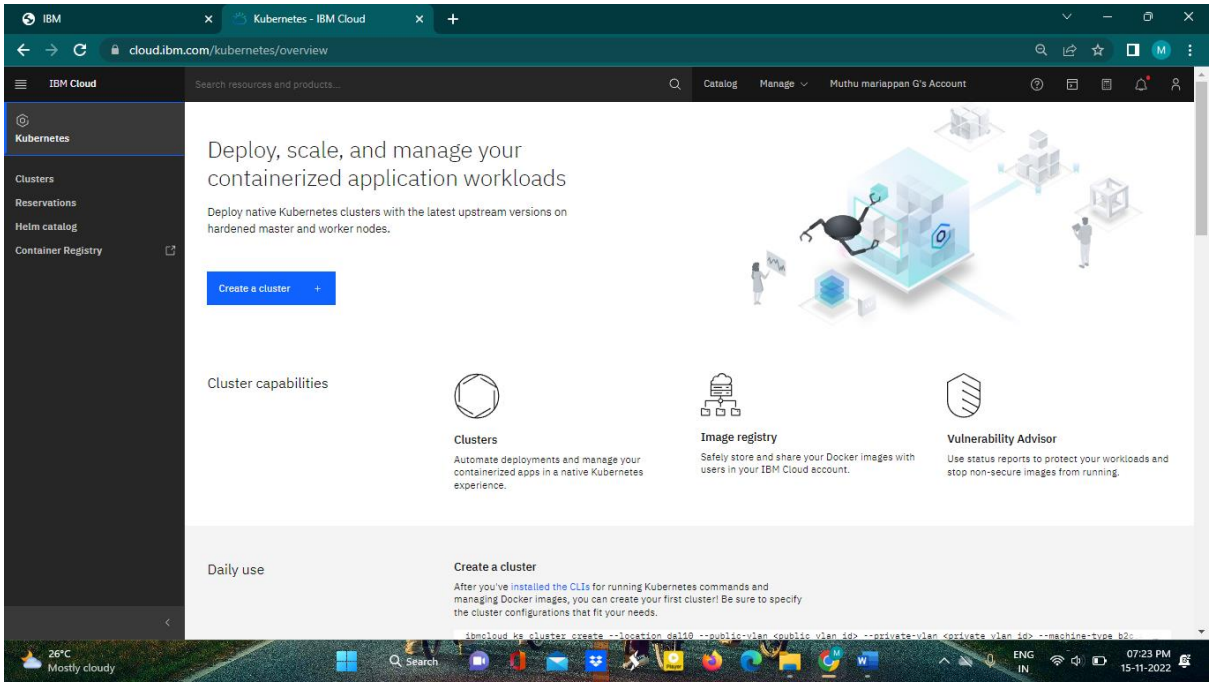
Deploy In Kubernetes Cluster

Date	19 September 2022
Team ID	PNT2022TMID53971
Project Name	Skill and Job Recommended
Maximum Marks	4 Marks

Create a Kubernets Cluster:

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Kubernetes - IBM Cloud
cloud.ibm.com/kubernetes/overview
IBM Cloud
Search resources and products...
Catalog
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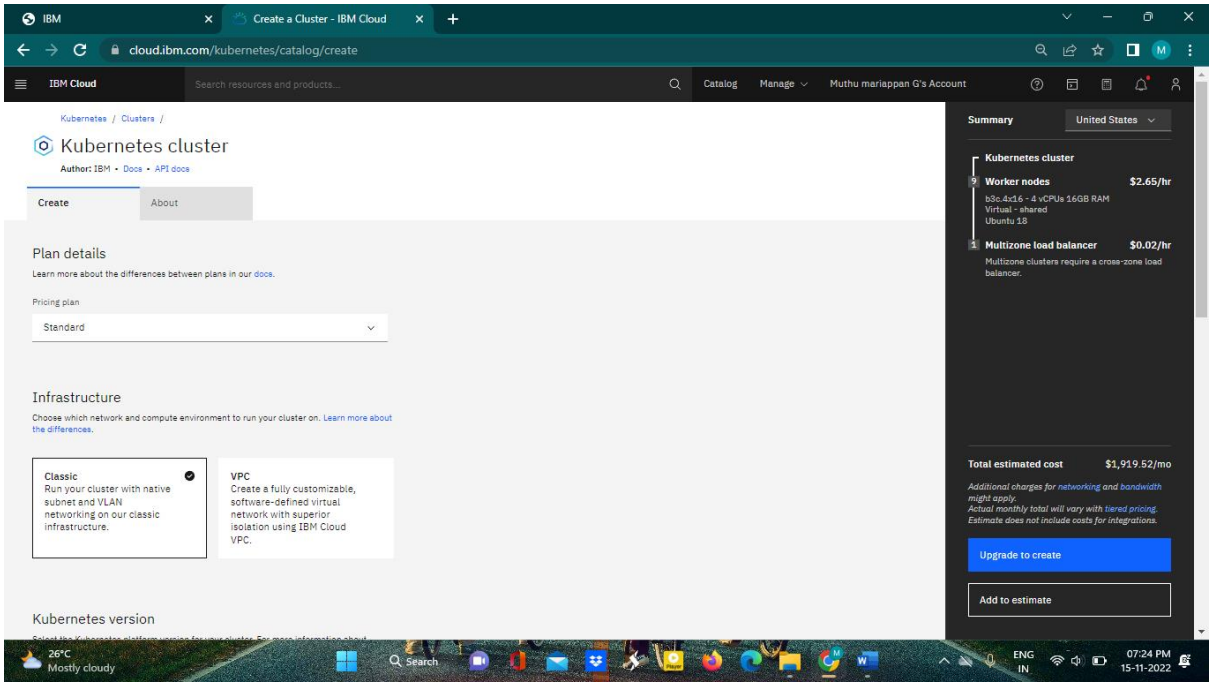
Kubernetes
Clusters
Reservations
Helm catalog
Container Registry
Deploy, scale, and manage your containerized application workloads
Deploy native Kubernetes clusters with the latest upstream versions on hardened master and worker nodes.
Create a cluster
Cluster capabilities
Clusters
Automate deployments and manage your containerized apps in a native Kubernetes experience.
Image registry
Safely store and share your Docker images with users in your IBM Cloud account.
Vulnerability Advisor
Use status reports to protect your workloads and stop non-secure images from running.
Daily use
Create a cluster
After you've installed the CLIs for running Kubernetes commands and managing Docker images, you can create your first cluster! Be sure to specify the cluster configurations that fit your needs.
26°C
Mostly cloudy
Search
ENG
IN
07:23 PM
15-11-2022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Create
About
Plan details
Learn more about the differences between plans in our docs.
Pricing plan
Standard
Infrastructure
Choose which network and compute environment to run your cluster on. Learn more about the differences.
Classic
Run your cluster with native subnet and VLAN networking on our classic infrastructure.
VPC
Create a fully customizable, software-defined virtual network with superior isolation using IBM Cloud VPC.
Kubernetes version
Summary
United States
Kubernetes cluster
Worker nodes
$2.65/hr
b3c.4x16 - 4 vCPUs 16GB RAM
Virtual - shared
Ubuntu 18
Multizone load balancer
$0.02/hr
Multizone clusters require a cross-zone load balancer.
Total estimated cost
$1,919.52/mo
Additional charges for networking and bandwidth might apply.
Actual monthly total will vary with tiered pricing.
Estimate does not include costs for integrations.
Upgrade to create
Add to estimate
26°C
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Search
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07:24 PM
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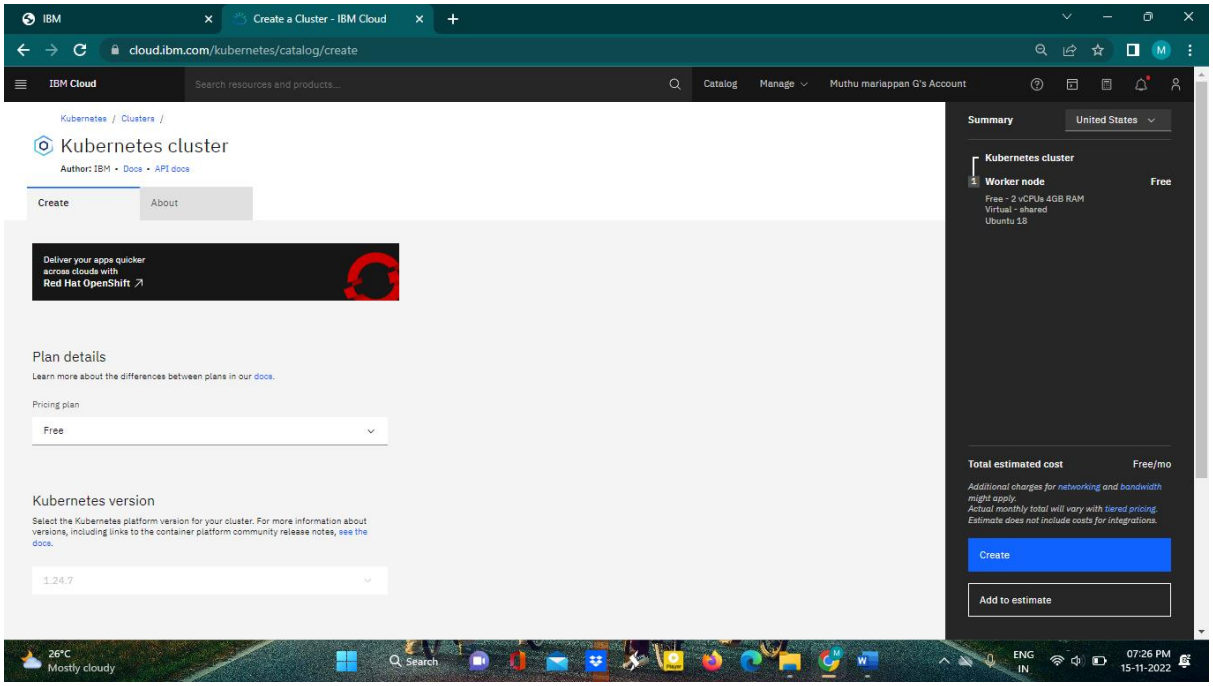
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Kubernetes cluster
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Create
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Plan details
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Pricing plan
Free
Kubernetes version
Select the Kubernetes platform version for your cluster. For more information about versions, including links to the container platform community release notes, see the docs.
1.24.7
Summary
United States
Kubernetes cluster
Worker node
Free
Free - 2 vCPUs 4GB RAM
Virtual - shared
Ubuntu 18
Total estimated cost
Free/mo
Additional charges for networking and bandwidth might apply.
Actual monthly total will vary with tiered pricing.
Estimate does not include costs for integrations.
Create
Add to estimate
26°C
Mostly cloudy
Search
ENG
IN
07:26 PM
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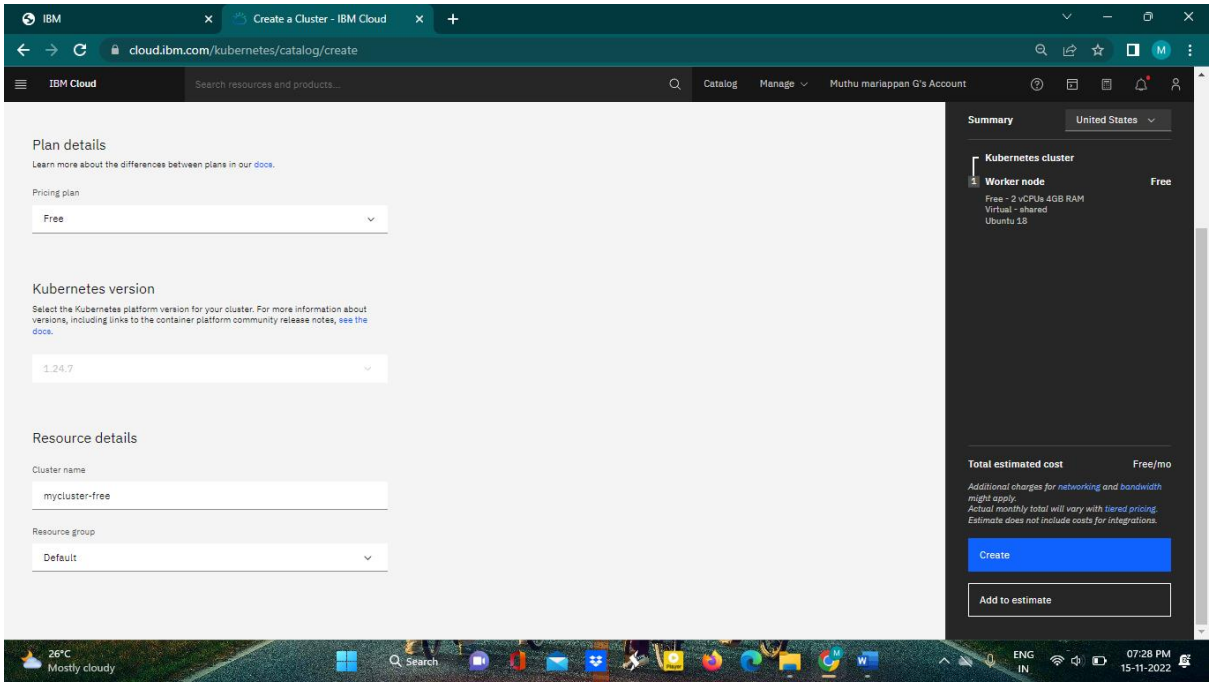
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Kubernetes version
Select the Kubernetes platform version for your cluster. For more information about versions, including links to the container platform community release notes, see the docs.
1.24.7
Resource details
Cluster name
mycluster-free
Resource group
Default
Summary
United States
Kubernetes cluster
Worker node
Free
Free - 2 vCPUs 4GB RAM
Virtual - shared
Ubuntu 18
Total estimated cost
Free/mo
Additional charges for networking and bandwidth might apply.
Actual monthly total will vary with tiered pricing.
Estimate does not include costs for integrations.
Create
Add to estimate
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Search
ENG
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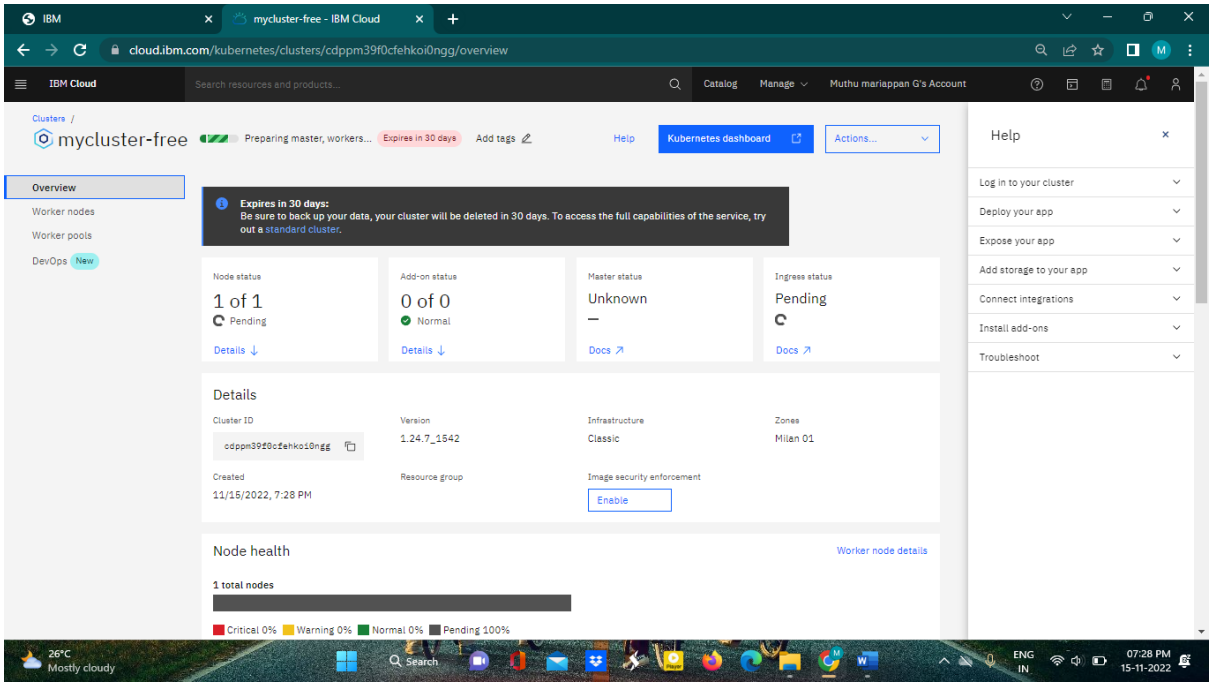
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cloud.ibm.com/kubernetes/clusters/cdppm39f0cfehkoi0ngg/overview
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Clusters /
mycluster-free
Preparing master, workers...
Expires in 30 days
Add tags
Help
Kubernetes dashboard
Actions...
Overview
Worker nodes
Worker pools
DevOps
New
Expires in 30 days:
Be sure to back up your data, your cluster will be deleted in 30 days. To access the full capabilities of the service, try out a standard cluster.
Node status
1 of 1
Pending
Details
Add-on status
0 of 0
Normal
Details
Master status
Unknown
Docs
Ingress status
Pending
Docs
Details
Cluster ID
cdppm39f0cfehkoi0ngg
Version
1.24.7_1542
Infrastructure
Classic
Zones
Milan 01
Created
11/15/2022, 7:28 PM
Resource group
Image security enforcement
Enable
Node health
Worker node details
1 total nodes
Critical 0%
Warning 0%
Normal 0%
Pending 100%
Help
Log in to your cluster
Deploy your app
Expose your app
Add storage to your app
Connect integrations
Install add-ons
Troubleshoot
26°C
Mostly cloudy
Search
ENG
IN
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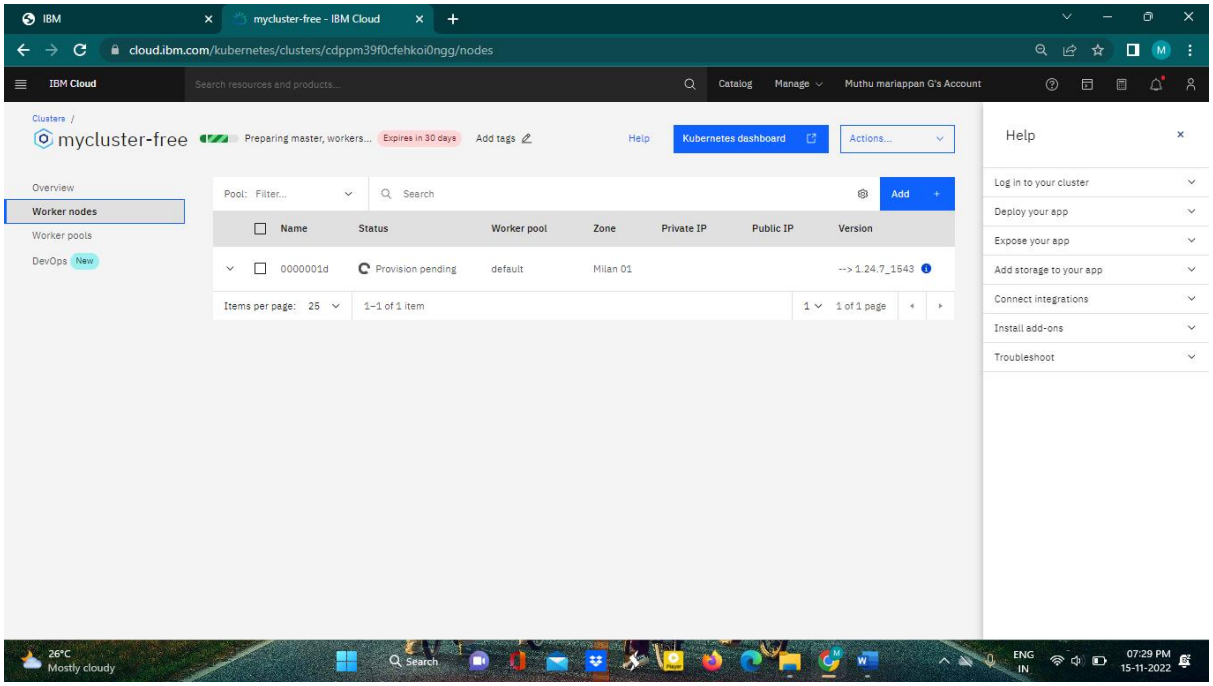
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Overview
Worker nodes
Worker pools
DevOps
New
Pool: Filter...
Search
Add
Name
Status
Worker pool
Zone
Private IP
Public IP
Version
0000001d
Provision pending
default
Milan 01
--> 1.24.7_1543
Items per page: 25
1–1 of 1 item
1 of 1 page
Help
Log in to your cluster
Deploy your app
Expose your app
Add storage to your app
Connect integrations
Install add-ons
Troubleshoot
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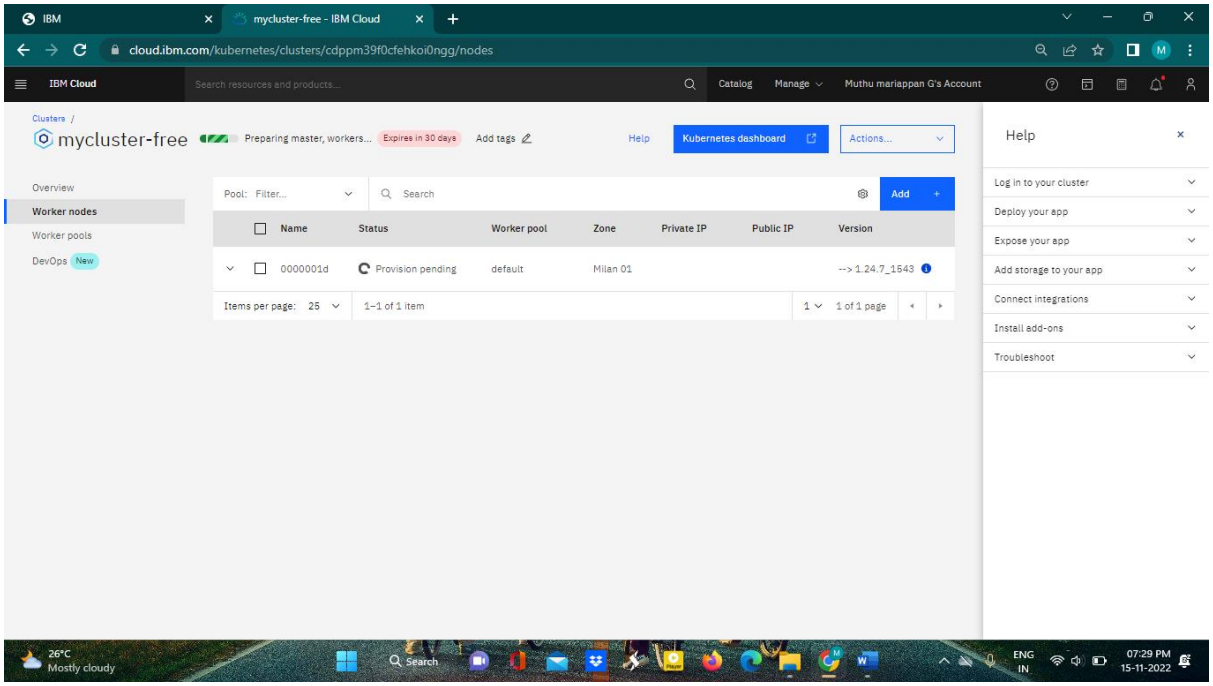
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Provision pending
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