

DEPLOYMENT OF APP IN IBM CLOUD

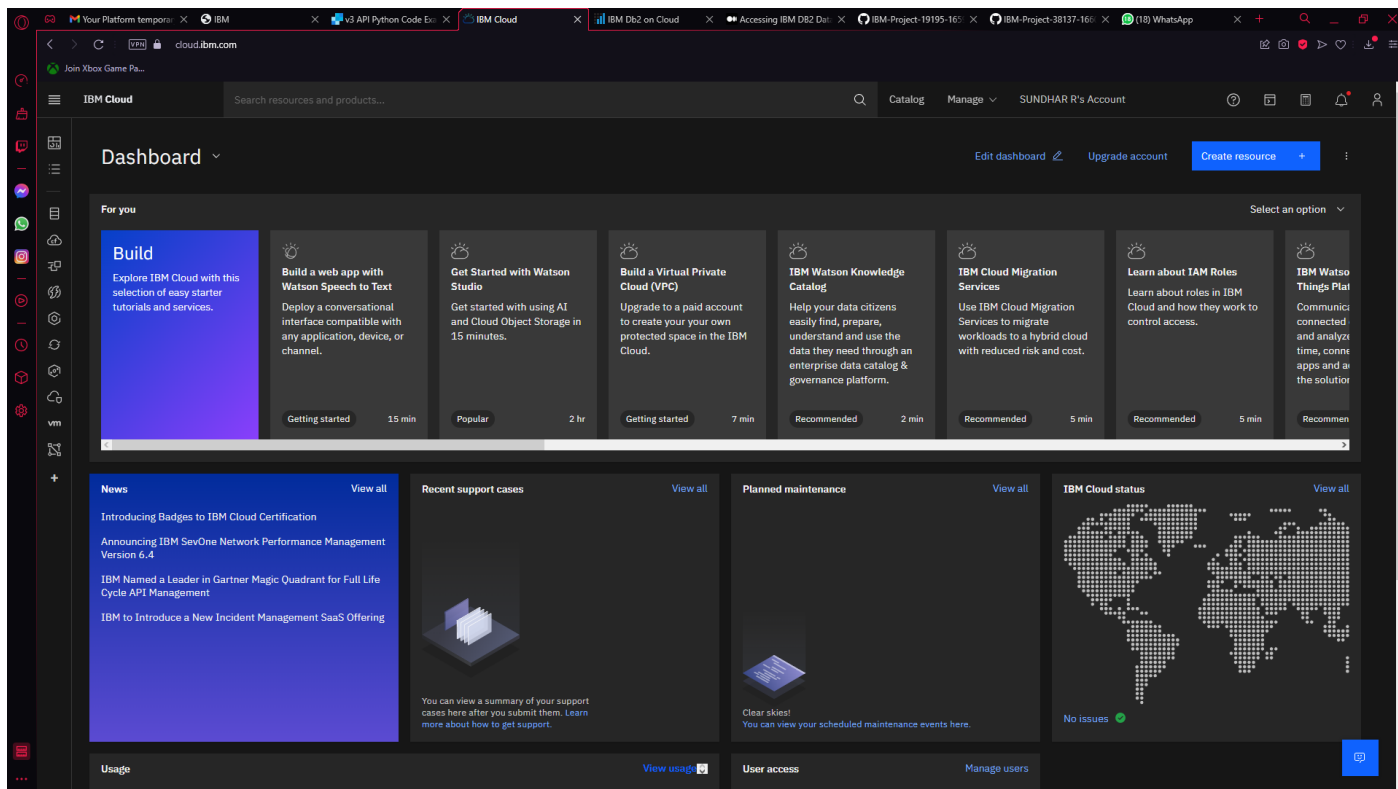
Deploy in kubernetes cluster

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Steps:

Creating a kubernetes Clusters:

❖ Open IBM Kubernetes Service



❖ Click Create Cluster.

The screenshot shows the IBM Cloud 'Create a Cluster' page. The main heading is 'Kubernetes cluster' with 'Author: IBM' and links to 'Docs' and 'API docs'. There are 'Create' and 'About' tabs. A promotional banner for Red Hat OpenShift is visible. Under 'Plan details', the 'Pricing plan' is set to 'Free'. The 'Kubernetes version' is set to '1.24.8'. In the 'Resource details' section, the 'Cluster name' is 'mycluster-free'. On the right, a 'Summary' sidebar shows the 'Worker node' configuration: 'Free - 2 vCPUs 4GB RAM Virtual - shared Ubuntu 18'. The 'Total estimated cost' is 'Free/mo'. A blue 'Create' button is at the bottom right.

The screenshot shows the 'Overview' page for the 'mycluster-free' cluster. A warning banner at the top states: '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.' The page is divided into several sections: 'Node status' shows '1 of 1' nodes in 'Pending' state; 'Add-on status' shows an 'Error' with 'Unknown' reason; 'Master status' is 'Deploying'; 'Ingress status' is 'Pending'. The 'Details' section lists: Cluster ID 'cdsemtf8c0441kah1pg', Version '1.24.8_1544', Infrastructure 'Classic', Zones 'Milan 01', Created '11/19/2022, 8:13 PM', and Image security enforcement 'Enable'. The 'Node health' section shows a bar chart for '1 total nodes' with a legend: Critical 0%, Warning 0%, Normal 0%, Pending 100%. The 'Networking' section shows 'Public enabling' as the selected option with a 'Copy link' button, and 'Private disabled' as an alternative.

❖ Click on **Work Nodes** tab to note the cluster's Public IP.

The screenshot shows the IBM Cloud console interface for a Kubernetes cluster named 'mycluster-free'. The 'Worker nodes' tab is selected, showing a table with one node. The node's status is 'Provisioning - Master is deploying'. The Public IP of the node is 169.51.207.252. The cluster is in a 'Preparing master, workers...' state and expires in 30 days.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
00000030	Provisioning - Master is deploying	default	Milan 01	10.144.212.203	169.51.207.252	--> 1.24.7_1543