

Deployment of the app in IBM Cloud

Kubernetes Cluster Deploy:

The screenshot shows the IBM Cloud Clusters management interface. The cluster is named 'mycluster-free' and is in a 'Normal' state, with a warning that it 'Expires in 27 days'. The left sidebar shows navigation options: Overview, Worker nodes (selected), Worker pools, and DevOps. The main area displays a table of worker nodes. One node is listed with ID '00000029', status 'Normal', worker pool 'default', zone 'Milan 01', private IP '10.144.228.10', public IP '159.122.174.90', and version '1.24.7_1543'. Below the table, the node's ID is expanded to show 'kube-cdpi9tif0ak3218i0n70-myclusterfr-default-00000029'. The status is 'Free - 2 vCPUs 4GB RAM'. The private VLAN is '2218181' and the public VLAN is '2218179'. The bottom of the table shows 'Items per page: 25' and '1-1 of 1 item'.

Name	Status	Worker pool	Zone	Private IP	Public IP	Version
00000029	Normal	default	Milan 01	10.144.228.10	159.122.174.90	1.24.7_1543

The screenshot shows the Kubernetes Workloads dashboard. The top navigation bar includes 'Workloads' and a search bar. The left sidebar lists various workload types: Cron Jobs, Daemon Sets, Deployments, Jobs, Pods, Replica Sets, Replication Controllers, and Stateful Sets. The main area is divided into three sections: 'Workload Status' with three green circles representing 'Deployments', 'Pods', and 'Replica Sets', each with a 'Running: 1' indicator; 'Deployments' table showing a single deployment named 'flask-server' with 1 pod and created 54 minutes ago; and 'Pods' table showing a single pod named 'flask-server' with 1 CPU usage and 54 minutes ago creation time.

Name	Images	Labels	Pods	Created
flask-server	Show all	Show all	1 / 1	54 minutes ago

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
flask-server	Show all	Show all		Running	0	0.0	0	54 minutes ago