

IBM Cloud Kubernetes Service (IKS)		Docker CLI		Helm
<div>Get The IBM Cloud CLI Installer</div> <div>Login To IBM Cloud</div> <div>ibmcloud login -sso</div> <div>List Plugins</div> <div>ibmcloud plugin repo-plugins -r "IBM Cloud"</div> <div>Install A Plugin</div> <div>ibmcloud plugin install kubernetes-service</div> <div>Kubernetes (k8s) Service Help</div> <div>ibmcloud ks --help</div> <div>Target A Region For K8s</div> <div>ibmcloud ks region-set</div> <div>View The Currently Targeted Region</div> <div>ibmcloud ks region</div> <div>List All Clusters In A Region</div> <div>ibmcloud ks clusters</div> <div>View The Details Of A Cluster</div> <div>ibmcloud ks cluster-get &lt;cluster name or ID&gt;</div> <div>List All Worker Nodes In A Cluster</div> <div>ibmcloud ks workers --cluster &lt;cluster name or ID&gt;</div> <div>View The Details Of A Worker Node</div> <div>ibmcloud ks worker-get --worker &lt;worker ID&gt;</div>	<div>curl -sL https://ibm.biz/ibt-installer   bash</div> <div>List All Worker Pools In A Cluster</div> <div>ibmcloud ks worker-pools --cluster &lt;cluster name or ID&gt;</div> <div>List Available Regions</div> <div>ibmcloud ks regions</div> <div>List All Availability Zones In A Region</div> <div>ibmcloud ks zones [--region-only]</div> <div>List Available Machine Types For A Zone</div> <div>ibmcloud ks machine-types --zone &lt;zone name&gt;</div> <div>List Available Public And Private VLANs For A Zone</div> <div>ibmcloud ks vlans --zone &lt;zone name&gt;</div> <div>Create A Cluster</div> <div>ibmcloud ks cluster-create \ --name &lt;cluster name&gt; \ --zone &lt;zone&gt; \ --machine-type &lt;machine type&gt; \ --hardware &lt;shared or dedicated&gt; \ --workers &lt;number&gt; \ --public-vlan &lt;public_VLAN_ID&gt; \ --private-vlan &lt;private_VLAN_ID&gt;</div> <div>Get The Command To Set The Environment Variable</div> <div>ibmcloud ks cluster-config --cluster &lt;cluster_name or ID&gt;</div>	<div>Log In To A Docker Registry</div> <div>docker login &lt;registry:port&gt;</div> <div>Pull An Image Or A Repository From A Registry</div> <div>docker pull &lt;name:tag&gt;</div> <div>Create A Tag TARGET That Refers To SOURCE_IMAGE</div> <div>docker tag &lt;source_image[:tag]&gt; &lt;target_image[:tag]&gt;</div> <div>Push An Image Or A Repository To A Registry</div> <div>docker push &lt;repo/image-name:tag&gt;</div> <div>Run A Container</div> <div>docker run \ --rm] \ [-it] \ --name &lt;assign a name&gt; \ -p &lt;private:public-port&gt; \ [-v &lt;path&gt;] \ &lt;image:tag&gt; \ [command] <div>Remove Container After It Exits</div> <div>Connect The Container To Terminal</div> <div>Expose A Port</div> <div>Create A Persistent Mount Volume</div> <div>Image From Which The Container Is Started</div> <div>The Command To Run Inside The Container</div> <div>E.g. /bin/sh</div></div> <div>Stop One Or More Running Containers</div> <div>docker stop &lt;container name&gt;</div> <div>Kill One Or More Running Containers</div> <div>docker kill &lt;container name&gt;</div>	<div>List The Running Containers</div> <div>docker ps [-a]</div> <div>Delete A Container</div> <div>docker rm &lt;container name&gt;</div> <div>Delete All Running And Stopped Containers</div> <div>docker rm -f \$(docker ps -aq)</div> <div>View The Details Of A Worker Node</div> <div>docker exec -it &lt;container name&gt; /bin/bash</div> <div>Print The Last 100 Lines Of Logs</div> <div>docker logs --tail 100 &lt;container name&gt;</div> <div>Follow Log Output For A Given Container</div> <div>docker logs -f &lt;container name&gt;</div> <div>List The Docker Networks</div> <div>docker network ls</div> <div>List Docker Images</div> <div>docker images</div> <div>Delete A Container Image</div> <div>docker rmi &lt;image_id&gt;</div> <div>Delete All Container Images</div> <div>docker rmi \$(docker images -q)</div>	<div>Install Helm Server-side Component</div> <div>helm init</div> <div>List Releases</div> <div>helm list</div> <div>List Installed Charts</div> <div>helm ls</div> <div>Search For An Installed Chart</div> <div>helm search &lt;chart&gt;</div> <div>Inspect &amp; Prints The Contents Of A Chart</div> <div>helm inspect &lt;chart&gt;</div> <div>Install A Chart</div> <div>helm install --name &lt;name&gt; &lt;chart&gt;</div> <div>Delete A Chart</div> <div>helm delete --purge &lt;chart&gt;</div>
Kubernetes CLI		IBM Cloud Internet Services (CIS)	IBM Cloud Container Registry	Calico
<div>List All Namespaces</div> <div>Set The Namespace Context</div> <div>List All Services In The Namespace</div> <div>List A Particular Deployment</div> <div>List All Pods In All Namespaces</div> <div>Get All Running Pods In The Namespace</div> <div>Get A Pod's YAML</div> <div>List All Pods With More Details</div> <div>Describe A Pod</div> <div>List Pods Sorted By Restart Count</div> <div>Et The Version Label Of All Pods With Label App=&lt;Label&gt;</div> <div>List Worker Nodes</div> <div>Describe A Worker Node</div> <div>Get The External IP Of All Nodes</div> <div>List Events Sorted By Timestamp</div> <div>List Containers In A Given Pod</div> <div>Follow The Logs From A Given Pod</div> <div>View The Logs From A Pod Since A Time</div> <div>View The Logs Of A Specific Container In A Pod</div> <div>Apply A Configuration To A Resource</div>	<div>kubectl get namespaces</div> <div>kubectl config set-context --current --namespace=&lt;namespace&gt;</div> <div>kubectl get services</div> <div>kubectl get deployment &lt;deployment&gt;</div> <div>kubectl get pods --all-namespaces</div> <div>kubectl get pods --field-selector=status.phase=Running</div> <div>kubectl get pod &lt;pod&gt; -o yaml</div> <div>kubectl get pod &lt;pod&gt; -o yaml --export</div> <div>kubectl describe pods &lt;pod&gt;</div> <div>kubectl get pods \ --sort-by='.status.containerStatuses[0].restartCount'</div> <div>kubectl get pods --selector=app=&lt;label&gt; rc -o \ jsonpath='{.items[*].metadata.labels.version}'</div> <div>kubectl get nodes</div> <div>kubectl describe nodes &lt;node name&gt;</div> <div>kubectl get nodes -o \ jsonpath='{.items[*].status.addresses[?(@.type=="ExternalIP")].address}'</div> <div>kubectl get events --sort-by=.metadata.creationTimestamp</div> <div>kubectl describe pod &lt;pod&gt; --namespace &lt;namespace&gt; \  grep container -B1</div> <div>kubectl logs -f &lt;pod&gt;</div> <div>kubectl logs --since=2h &lt;pod&gt;</div> <div>kubectl logs --since=2h &lt;pod&gt; -c &lt;container&gt; \ --namespace &lt;namespace&gt;</div> <div>kubectl apply -f &lt;filename&gt;</div>	<div>Install The CIS Plugin</div> <div>ibmcloud plugin install cis</div> <div>List All CIS Service Instances</div> <div>ibmcloud cis instances</div> <div>List Domains For A Given Service Instance</div> <div>ibmcloud cis domains --instance &lt;instance name&gt;</div> <div>List All Load Balancers For The Given Domain</div> <div>ibmcloud cis glbs &lt;domain id&gt; --instance &lt;instance&gt;</div> <div>List All GLB Pools For A Given Service Instance</div> <div>ibmcloud cis glb-pools --instance &lt;instance&gt;</div> <div>List Status Changes From Origins Connected To A Glb</div> <div>ibmcloud cis glb-events --instance &lt;instance&gt;</div> <div>Show The Details Of A Given GLB Pool</div> <div>ibmcloud cis glb-pool &lt;pool id&gt; --instance &lt;instance&gt;</div> <div>Show The Details Of A Given GLB Pool As JSON</div> <div>ibmcloud cis glb-pool &lt;pool id&gt; --instance &lt;instance&gt; -- output JSON</div> <div>Update A GLB Under A Given DNS Domain</div> <div>ibmcloud cis glb-update &lt;domain id&gt; &lt;pool id&gt; --json- file &lt;json file&gt; --instance &lt;instance&gt;</div>	<div>Install The CIS Plugin</div> <div>ibmcloud plugin install container-registry</div> <div>Set A Target Region</div> <div>ibmcloud cr region-set</div> <div>Log The Local Docker Client Into Registry</div> <div>ibmcloud cr login</div> <div>Displays All Images</div> <div>ibmcloud cr image-list</div> <div>Inspect One Or More Images</div> <div>ibmcloud cr image-inspect &lt;image&gt;</div> <div>Create A New Tag</div> <div>ibmcloud cr image-tag &lt;source image&gt; &lt;target image&gt;</div> <div>Delete One Or More Images</div> <div>ibmcloud cr image-rm &lt;image&gt;</div> <div>Build A Docker Image</div> <div>ibmcloud cr build [--no-cache] [--pull] [--quiet   -q] [--build-arg &lt;key=value&gt;] [--file &lt;file&gt;   - f &lt;file&gt; ] --tag &lt;tag&gt;</div>	<div>List All Policies</div> <div>calicoctl get policy</div> <div>List A Policy In YAML Format</div> <div>calicoctl get -o yaml policy &lt;policy.yaml&gt;</div> <div>Create A Policy From A File</div> <div>calicoctl create -f &lt;policy.yaml&gt;</div> <div>Apply A Policy From A File</div> <div>calicoctl apply -f &lt;policy.yaml&gt;</div> <div>Replace A Policy From A File</div> <div>calicoctl replace -f &lt;policy.yaml&gt;</div> <div>Delete A Policy From A File</div> <div>calicoctl delete -f &lt;policy.yaml&gt;</div> <div>Delete Policy By Name</div> <div>calicoctl delete policy &lt;name&gt;</div> <div>Check The Status Of A Node</div> <div>calicoctl node status</div>