Kubernetes Cloud Manager CLI – Cheat Sheet

Install CLI

wget https://cdn.einnovator.org/cli/ei-latest.tgz
tar -xf ei-latest.tgz; chmod +x ei; ./ei

Login & API

ei login -u user -p password https://devops.acme.com	*Login to server*
ei api set localhost:5005	*Set current API*
ei pwd	*Show current settings*

Clusters

ei cluster import -f .kube/config	*Import cluster*
ei ls -c	*List clusters*
ei ls -c --provider=AWS	*Filter clusters by provider*
ei ls -c --region=us-central	*Filter clusters by region*

Spaces

ei space create us-central/dev	*Create space*
ei attach demo/test	*Attach space*
ei ls	*List spaces*
ei ls --cluster=demo	*Filter spaces by cluster*
ei ls dev	*Filter spaces by name*
ei cd us-central/dev	*Set current space*
ei space view	*Open UI dashboard*
ei space rm demo/test	*Delete space*

Deployments

ei run heros acme/heros --port=80 –stack=boot -k=3	*Run deployment*
ei run cdn nginx -s	*Run stateful deployment*
ei run heros acme/heros --env=THEME=sunrise, USER=^apps-config.key, PASSWORD=^^secret.password	*Run deployment with environment vars*
ei run heros acme/heros --mount=data:/data=1Gi, config:/config=^configmap.key, config:/config=^^secret.key	*Run deployment with mounts*
ei create heros acme/heros	*Create deployment*
ei ps	*List deployments*
ei ps -n us-central/prod	*List deloyments in space*
ei ps -a	*List workloads*
ei deploy logs heros -l200	*Show log tail (1st pod)*
ei deploy events ls heros	*Show events*
ei deploy view heros	*Open UI dashboard*
ei deploy scale 5 heros --track	*Scale replica count*
ei deploy resources --mem=2Gi	*Scale resources*
ei deploy start heros	*Start deployment*
ei deploy restart heros	*Restart deployment*
ei kill heros	*Stop deployment*
ei kill heros -f	*Delete deployment*
ei update heros –image=acme/heros:2.0	*Update deployment*

Jobs

ei run pi acme/pi -j	*Start Job*
ei ps -j	*List Jobs*
ei kill pi -j	*Kill Job*

CronJobs

ei run --schedule="0/5 * * * ?" acme/mailblast	*Schedule Cronjob*
ei ps -c	*List CronJobs*
ei kill mailblast -c	*Kill CronJob*

Environment Variables

ei env add heros THEME sunrise	*Add environment var*
ei env add heros DB_USER user --confimap=app-configmap	*Add configmap env var*
ei env add heros DB_PASSWORD password --secret=app-secret	*Add secret env var*
ei env ls heros	*List environment vars*
ei rm heros THEME	*Delete environment var*

Mounts

ei mount add heros data --mountPath=/data --size=2Gi	*Add volume mount*
ei mount add heros data --mountPath=/config –configmap=apps-configmap –items=key1,key2	*Add configmap mount*
ei mount add heros data --mountPath=/config –secret=apps-secret –items=key1,key2	*Add secret mount*
ei mount ls heros	*List mounts for deploy*
ei mount rm heros data	*Delete route for deply*

DNS Domains

ei domain create acme.com --crt=crt.pem --key=key.pem --ca=ca.pem	*Define secure DNS domain*
ei ls -d	*List domains*
ei domain set acme.com	*Set default domain*
ei domain update acme.com --crt=crt.pem --key=key.pem	*Update domain*
ei domain rm acme.com	*Delete domain*

DNS Routes

ei route add heros heros -d	*Add route*

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acme.com	
ei route go heros	*Open browser in app*
ei route rm heros heros.acme.com	Delete route
Connectors	
ei connector add mysql heros/root	Define connector
ei connector ls mysql	List connector for deploy
ei connector rm mysql heros/root	Remove connector
Bindings	
ei binding add heros mysql/heros/root	Add binding
ei binding ls heros	List bindings for deploy
ei binding rm mysql/heros/root	Remove binding
Pods	
ei pod ls	*List pods in current space*
ei pod ls heros	*List pods for deployment*
ei pod rm heros-xxxx-yyyy	*Delete pod*
ReplicaSets	
ei rs ls	*List replicaset in space*
ei rs ls heros	*List replicaset for deploy*
ei rs rm heros-xxxx	*Delete replicaset*
Volume Claims	
ei volc ls	*List volume claims*
ei volc create data --size=2Gi	*Create volume claim*
ei volc rm data	*Delete volume claim*
ConfigMaps	
ei configmap create name –data=key:value[,....]	*Create configmap in current space*
ei configmap update name –data=key:value[,....]	*Update configmap in current space*
ei configmap ls	*List configmaps*
ei configmap rm name	*Delete configmap*
Secrets	
ei secret create name –data=key:value[,....]	*Create secret in current space*
ei secret update name –data=key:value[,....]	*Update secret in current space*
ei secret ls	*List secrets*
ei secret rm name	*Delete secret*
Marketplace	
ei market	*List solutions*
ei install nginx	*Install solution*
ei install /acme-home	*Install standalone solution*
ei install charts/mariadb	*Install catalog solution*
Catalogs	
ei create catalog charts –type=helm –url=https://...	*Create Catalog*
ei catalog ls	*List catalogs*
ei catalog ls --type=helm	*Filter catalogs*
ei catalog rm chars	*Delete catalog*
Solutions	
ei create solution acme-home -f=manifest.yml	*Create standalone solution*
ei solution ls	*List solutions*
ei solution ls acme	*Filter solutions by name*
ei solution rm acme-home	*Delete solution*
Registries	
ei reg create dockerhub-dev99 –url=dockerhub -udev99 -mdev99@acme.com -p${DOCKERHUB_TOKEN}	*Define registry*
ei ls -r	*List registries*
ei reg update dockerhub-dev99 -p${DOCKERHUB_TOKEN}	*Update registry*
ei reg rm dockerhub-dev99	*Delete registry*
Git VCS	
ei vcs create github-dev99 –url=github -udev99 -p${GITHUB_TOKEN}	*Define Git Vcs*
ei ls -g	*List Git Vcs*
ei vcs update github-dev99 -p${GITHUB_TOKEN}	*Update Git Vcs*
ei vcs rm github-dev99	*Delete Git Vcs*
CI/CD	
ei deploy update heros --builder=jib-maven-pipeline --repo= https://github.com/acme/heros --buildImage=acme/heros:1.1 –registry=dockerhub-dev99 –vcs=github-dev99	*Configure CI/CD details*
ei deploy get heros -O=cicd -b	*Show CI/CD details*
ei deploy build heros	*Start build*
ei build ls	*List all builds in space*
ei build ls heros	*List builds for deployment*
ei build ls --status=running	*Filter builds by status*
ei build rm heros-a	*Clean all builds for deploy*
ei build rm -a	*Clean all builds*