Node Software Installed wala computer

/app   build_container

| sab code is /app me aa gya |
| npm install is dependencies download kari node_modules me |
| npm run build se dist folder me artifaacts bn gae |

nginx wala container

| upr wale container ki /app/dist folder se files utha ke /usr/share/www/html me dal dia |

Source Code → Dockerfile → (docker build) → Docker Image → (docker tag docker push) → Container Registry

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Docker Image
(Docker Hub)

↓

docker

↓

Kubernetes

↓

pod

├── imperative kubectl run
└── declarative yaml files

↓

kubectl explain pod --recursive > pod.txt

↓

dhondhu.yaml

↓

kubectl apply -f dhondhu.yaml

File Share

UI → **pod**

docker
photos-app
/app/photos

docker cp flower.jpg

EmptyDir

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docker cp [OPTIONS] SRC_PATH|- CONTAINER:DEST_PATH

CONTAINER: 49084d34c34c

docker cp C:\DevOpsInsiders\Batch16\azure-devsecops-batch-16\CodeSamples\photos-app\flower.jpg 49084d34c34c:/app/photos

---

Docker Hub

docker tag photos-app:v2 sonambewafaa/photos-app:v2

Azure Container Registry

docker tag photos-app:v2 acrdevopsinsiders.azurecr.io/photos-app:v2

Pod Statuses		
1. Running	Sab kuch sahi hai..	
2. ErrImagePull ⭐	image pull me issue	image ka naam hi galat.. image exist hi nahi karti
3. ImagePullBackoff ⭐		Image ko download karne ki permissiions nahi hai..
4. Crashloopbackoff ⭐	Jab pod ke andar baar baar crash hota hai...	
5. Pending	Pod kisi bhi node pr scehdule nahi hua hai...	
6. Completed	Jab pod ke andar ke contaienr kaa kaam successful ho jae to vo completed ho jata hai..	

Resolution pata lagane ka tarika- kubectl describe pod

kubectl logs

Kubernetes

pod

docker ← Container Registry