**Attach a Volume to the Pod**

Lets create a pod for database and attach a volume to it. To achieve this we will need to

* create a **volumes** definition
* attach volume to container using **VolumeMounts** property

Local host volumes are of two types:  
\* emptyDir  
\* hostPath

We will pick hostPath. [Refer to this doc to read more about hostPath.](https://kubernetes.io/docs/concepts/storage/volumes/#hostpath)

File: db-pod.yaml

1. apiVersion: v1
2. kind: Pod
3. metadata:
4. name: db
5. labels:
6. app: postgres
7. role: database
8. tier: back
9. spec:
10. containers:
11. - name: db
12. image: postgres:9.4
13. ports:
14. - containerPort: 5432
15. volumeMounts:
16. - name: db-data
17. mountPath: /var/lib/postgresql/data
18. volumes:
19. - name: db-data
20. hostPath:
21. path: /var/lib/pgdata
22. type: DirectoryOrCreate

To create this pod,

1. kubectl apply -f db-pod.yaml
3. kubectl describe pod db
5. kubectl get events

**Exercise** : Examine **/var/lib/pgdata** on the systems to check if the directory is been created and if the data is present.