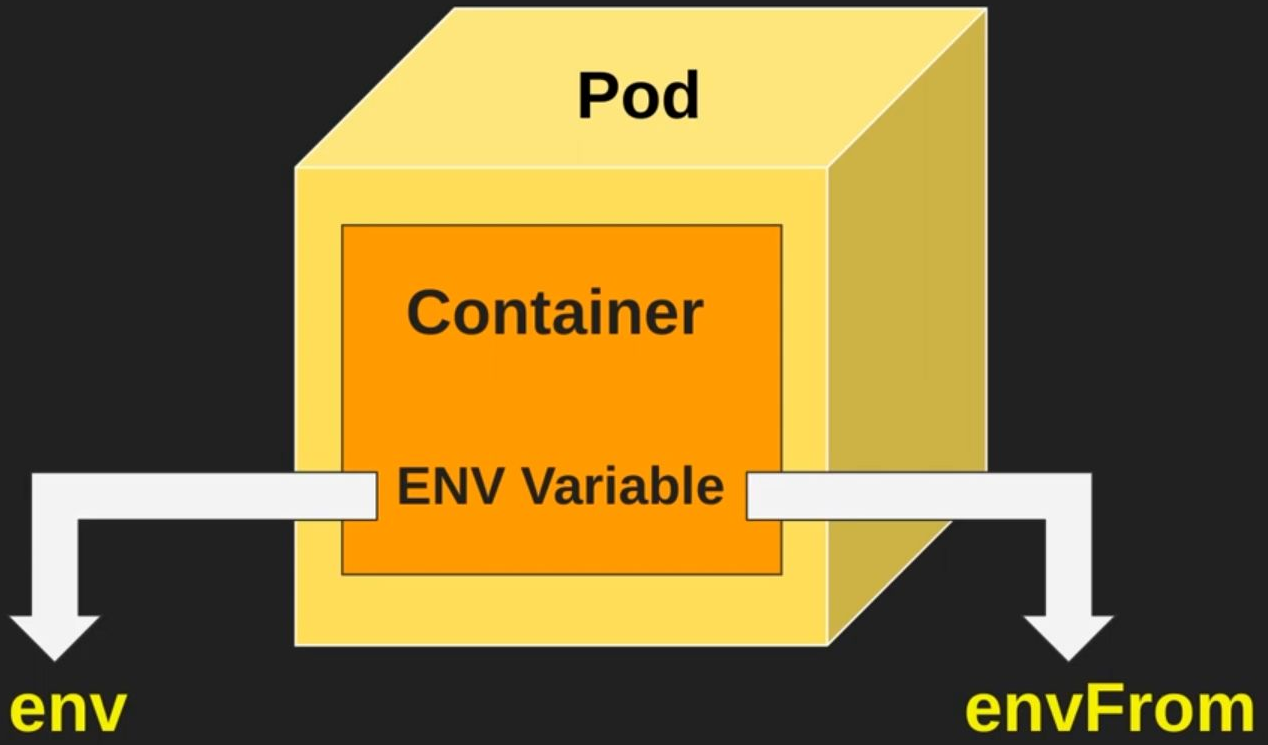
Environment Variables


Pod
Container
ENV Variable
env
envFrom

Dockerfile

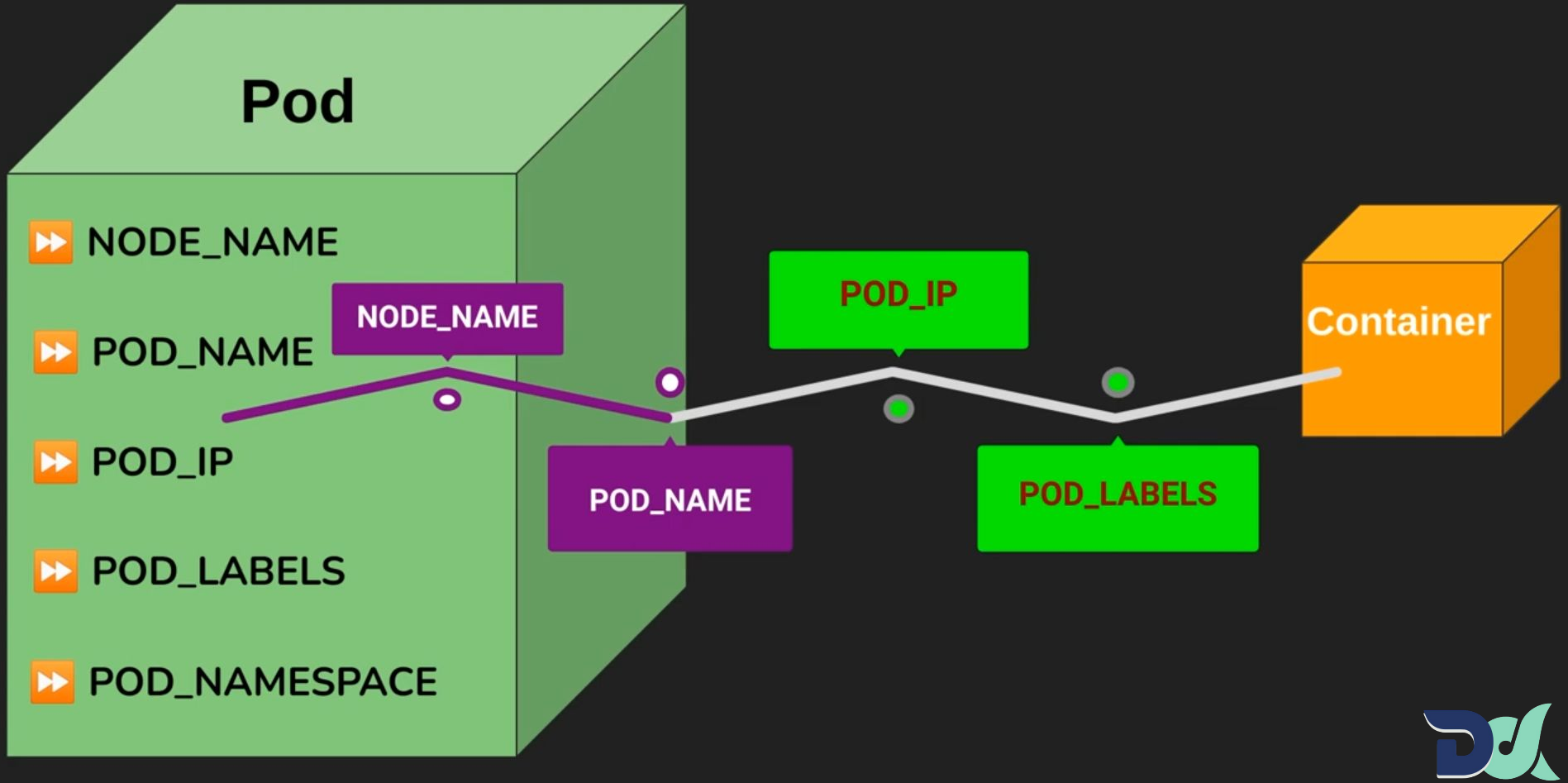
```
FROM nginx
Run apt-get update
ENV WORDPRESS_VERSION 4.2.2
ENV WORDPRESS_USER admin
EXPOSE 80
```

Expose Pod Information to Containers Through Environment Variables

In Kubernetes, there are two ways to expose Pod and container fields to a running container:

- Environment variables
- Volume files

Downward API:- Pod can use environment variables to expose information about itself to containers running in the Pod, using the downward API.


Pod
NODE_NAME
POD_NAME
POD_IP
POD_LABELS
POD_NAMESPACE
NODE_NAME
POD_NAME
POD_IP
POD_LABELS
Container

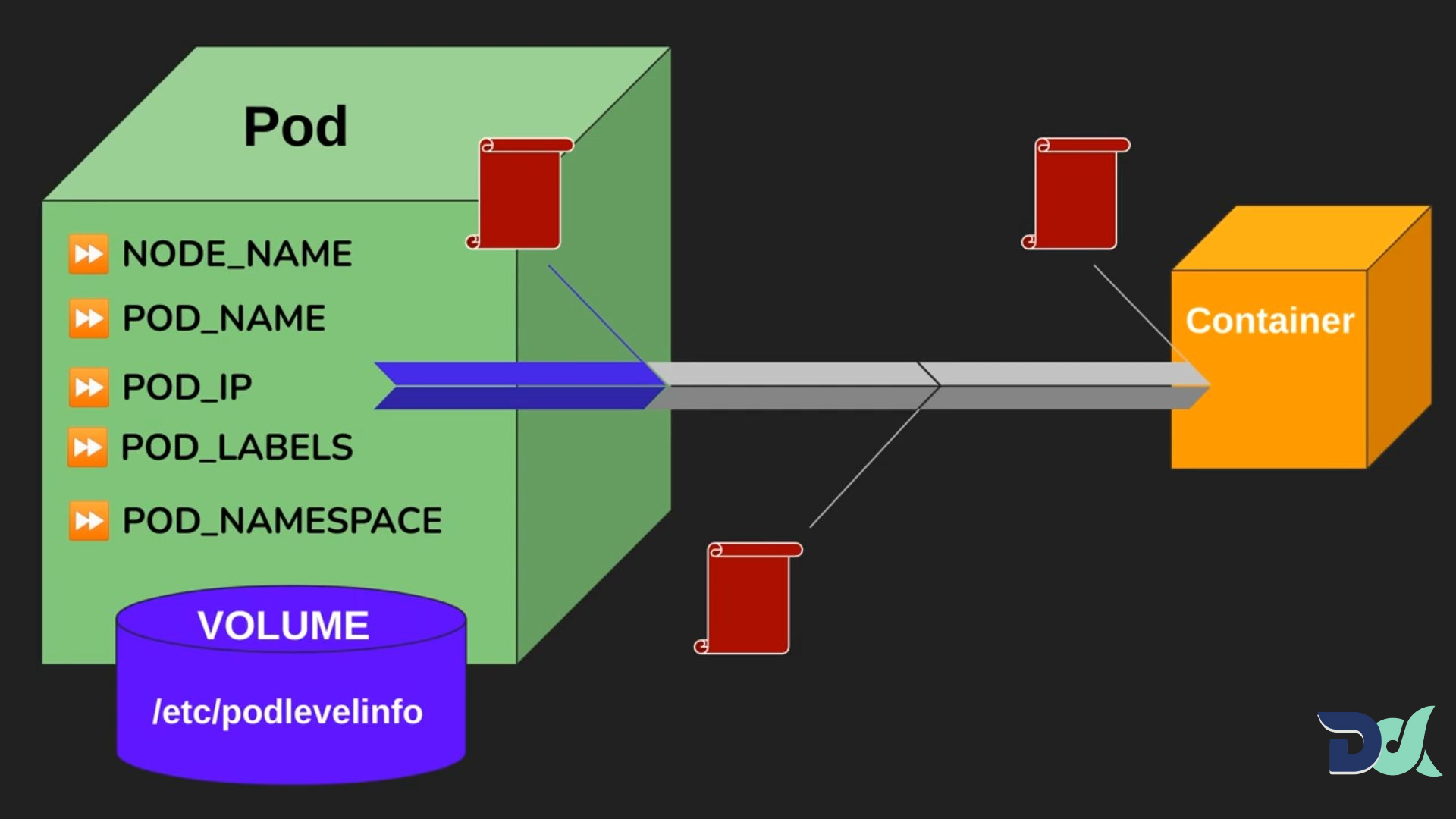
Part -3
Environment Variables

Expose Pod Information to Containers Through Files

A Pod can use a downwardAPI volume, to expose information about itself to containers running in the Pod.

In Kubernetes, there are two ways to expose Pod and container fields to a running container:

- Environment variables
- Volume files


Pod
NODE_NAME
POD_NAME
POD_IP
POD_LABELS
POD_NAMESPACE
VOLUME
/etc/podlevelinfo
Container