

- **Argomento prova scritta:**

Il candidato spieghi come funziona il processo di avvio di un sistema operativo Linux, partendo dal BIOS/UEFI fino al caricamento dell'ambiente utente. Si includano i principali componenti coinvolti, come il bootloader, il kernel e il sistema init.

- **Testo in inglese:**

"Pod Details

Sometimes, the single-line view is insufficient because it is too terse. Additionally, Kubernetes maintains numerous events about Pods that are present in the event stream, not attached to the Pod object.

To find out more information about a Pod (or any Kubernetes object) you can use the `kubectl describe` command. For example, to describe the Pod we previously created, you can run:

```
$ kubectl describe pods kuard
```

This outputs a bunch of information about the Pod in different sections. At the top is basic information about the Pod:

```
Name: kuard
Namespace: default
Node: node1/10.0.15.185
Start Time: Sun, 02 Jul 2017 15:00:38 -0700
Labels: <none>
Annotations: <none>
Status: Running
IP: 192.168.199.238
Controllers: <none>
```

Then there are informations about the containers running in the Pod:

```
Containers:
kuard:
Container ID: docker://055095...
Image: gcr.io/kuar-demo/kuard-amd64:blue
Image ID: docker-pullable://gcr.io/kuar-demo/kuard-amd64@sha256:a580...
Port: 8080/TCP
State: Running
Started: Sun, 02 Jul 2017 15:00:41 -0700
Ready: True
Restart Count: 0
Environment: <none>
Mounts:
/var/run/secrets/kubernetes.io/serviceaccount from default-token-cg5f5 (ro)
```

Finally, there are events related to the Pod, such as when it was scheduled, when its image was pulled, and if/when it had to be restarted because of failing health checks:

```
Events:
Seen From SubObjectPath Type Reason Message
-----
50s default-scheduler Normal Scheduled Success...
49s kubelet, node1 spec.containers{kuard} Normal Pulling pulling...
47s kubelet, node1 spec.containers{kuard} Normal Pulled Success...
47s kubelet, node1 spec.containers{kuard} Normal Created Created...
47s kubelet, node1 spec.containers{kuard} Normal Started Started..."
```

da: **Kubernetes: Up and Running** by *Brendan Burns, Joe Beda, and Kelsey Hightower, Ed. 2019, pagg. 50-51*

- **Circolare AgID 2/2017:** "La circolare AgID n. 2/2017 introduce le Misure Minime di Sicurezza ICT per le pubbliche amministrazioni. Qual è lo scopo di queste misure e quali sono i principali soggetti coinvolti nella loro attuazione?"