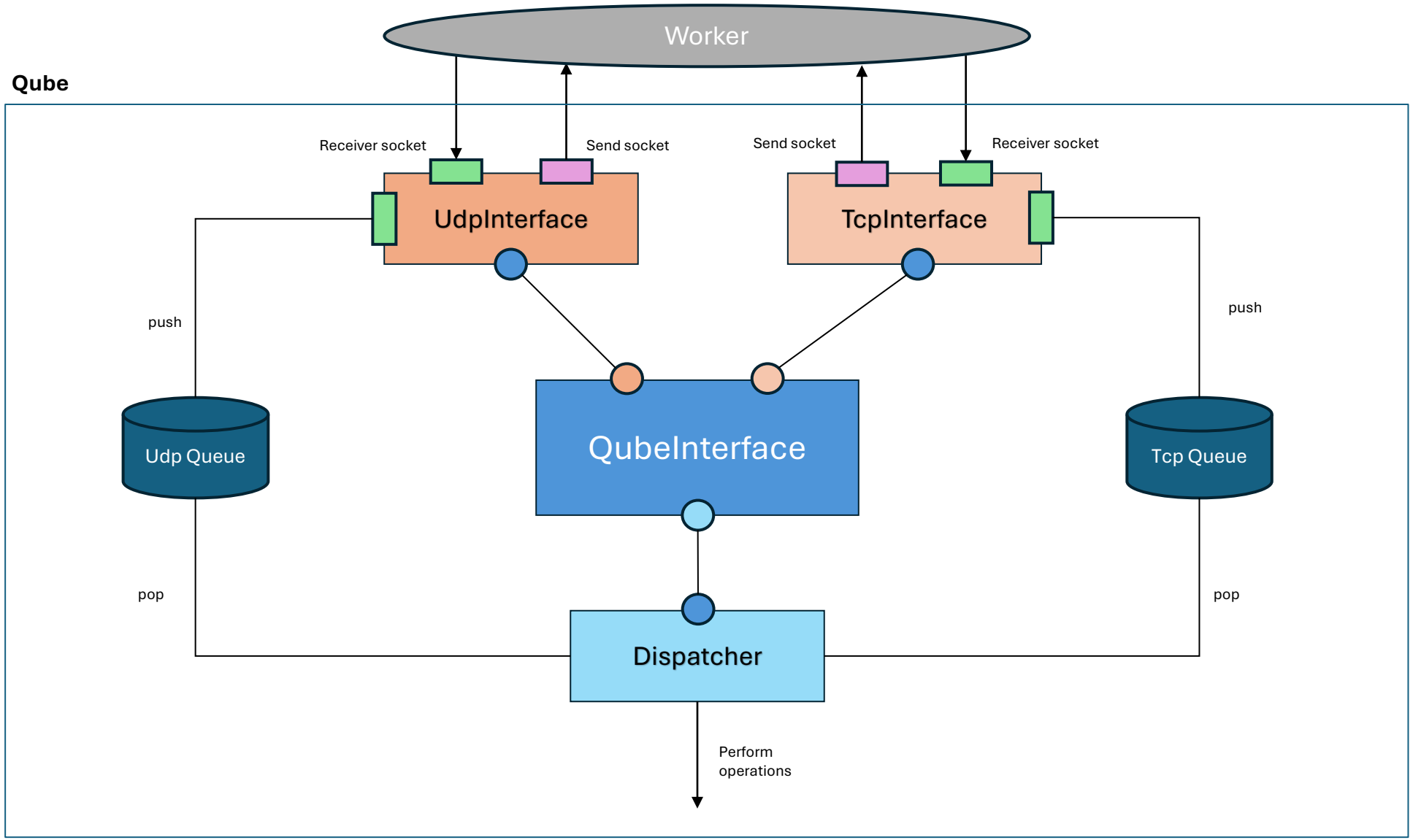
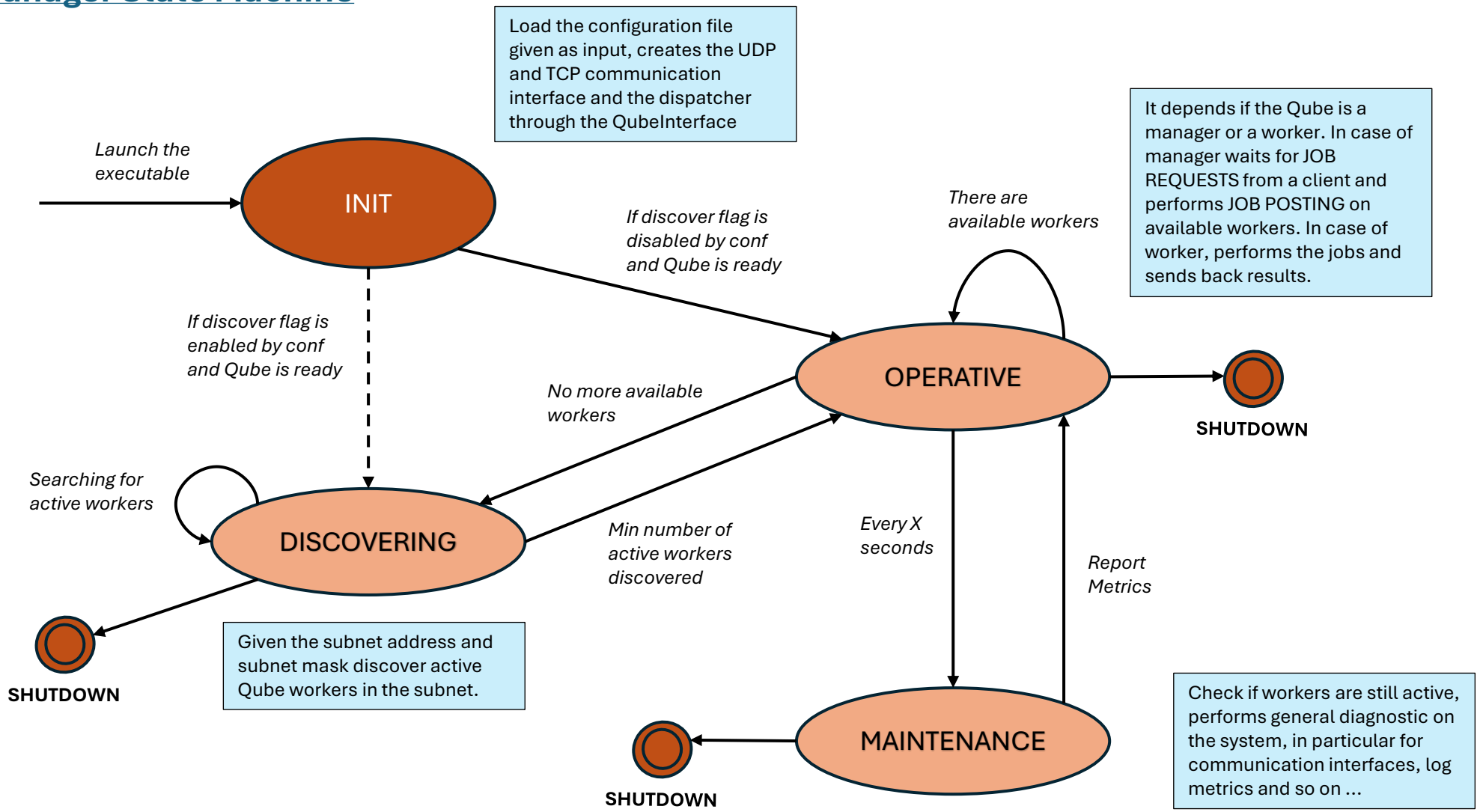
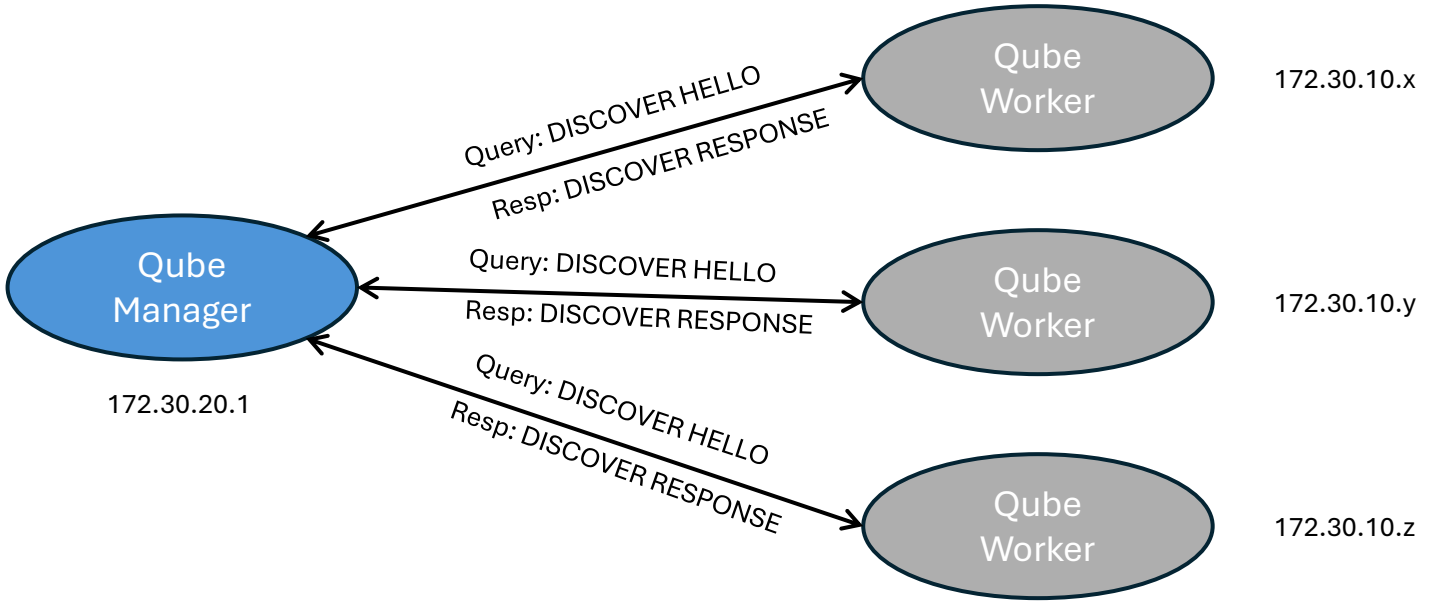
Qube Interface Structure



Qube Manager State Machine



Discover Protocol

- The *Discover Protocol* is used by the Qube Manager during the Discover State to search active Qube Worker in a subnet
- It consists of a “two-handshake” protocol:
    1. The Qube Manager sends to each address of the subnet a DISCOVER HELLO message
    2. A Qube worker, if active, response with a DISCOVER RESPONSE message (containing some useful information)
    3. When the Qube Manager has reached the maximum number of nodes the protocol ends
- DISCOVER HELLO and DISCOVER RESPONSE are both UDP Messages
- The Qube Manager enters this protocol whenever the total number of active worker is below a threshold