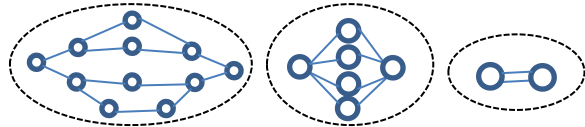


Topology provided to applications



Actual or abstract topologies are provided to applications. The provided topology should be able to meet the requirement of the application. Different applications may get different (abstract) topologies from the controller

Applications

Application

Application

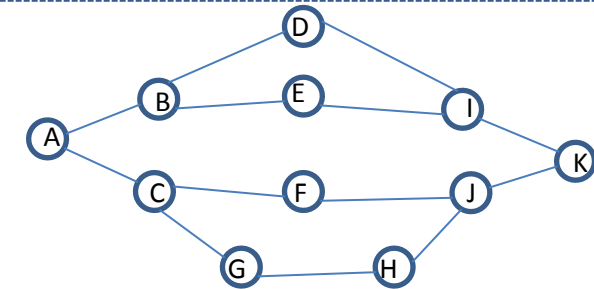
Application

Controller

NE

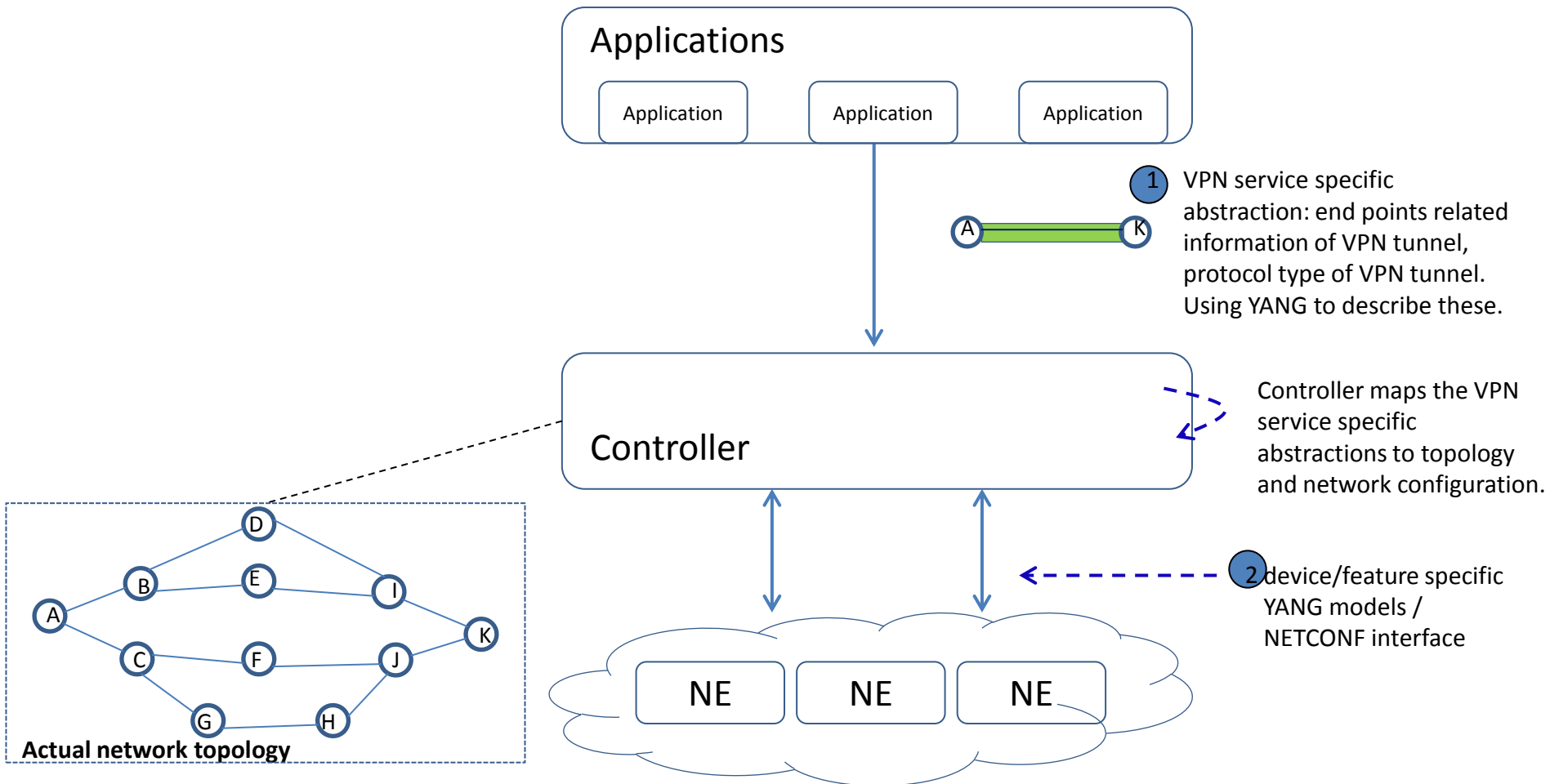
NE

NE



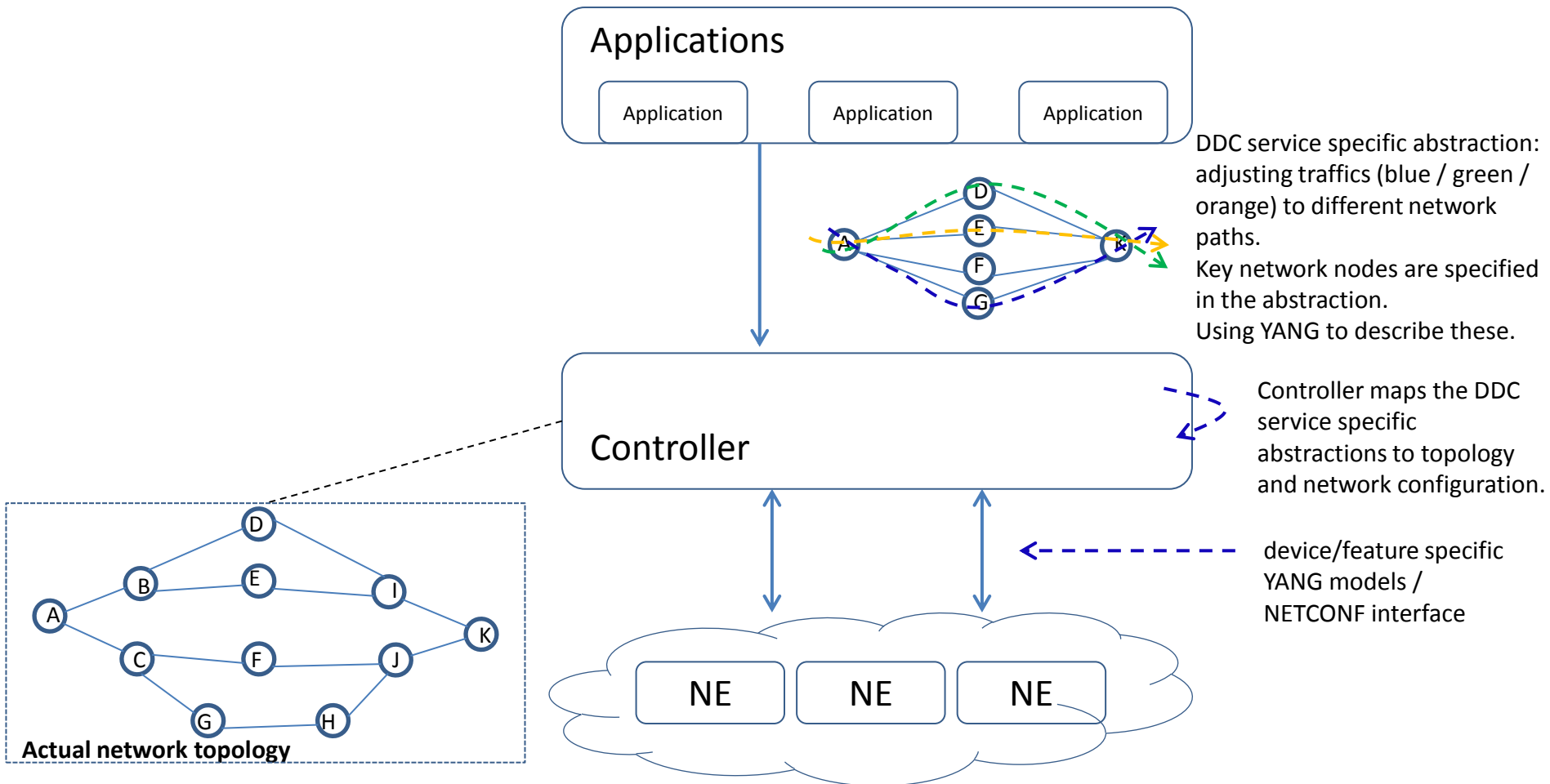
Actual network topology

Service specific abstraction: VPN service



- ① The attributes including: Local and remote interface (IP and name), protocol type, etc.
- ② The configurations of NEs for implementing the VPN in the network.

Service specific abstraction: DDC service



Multiple controllers scenarios

