

## Decentralized Applications (Dapps) - Week 1

Total points 8

1. For a web application we associate a web server, for a mobile application we associate a mobile server. For a decentralized application we associate a \_\_\_\_.

1 point

- ☐ Centralized Server
- ☐ Distributed application server
- ☒ Blockchain server
- ☐ Distributed communication server

2. What is the network id for Ethereum's main network with metropolis?

1 point

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4

3. What does the web3 library do to help DApps to communicate with the ethereum network?

1 point

- ☒ RPC Calls
- ☐ SOAP Requests
- ☐ REST Requests
- ☐ POST Requests

4. Which is one of the main use of APIs?

1 point

- ☐ Deploying smart contracts
- ☐ VoIP services
- ☒ Providing access to data and services
- ☐ Build DApp front ends

5. Which of these APIs you can use to see the nodes connected to the network?

1 point

- ☐ eth.viewPeers()
- ☒ admin.peers()
- ☐ admin.nodeInfo()
- ☐ admin.stats()

6. Which API can you use to start mining on your computer once a node is setup?

1 point

- ☐ eth.startMiner()
- ☐ user.startMiner()

- ☒ miner.start()
- ☐ admin.startMiner()

7. Which of these APIs can you use to create a new account on the Ethereum network?

1 point

- ☐ user.createAccount()
- ☐ user.newAccount()
- ☐ personal.createAccount()
- ☒ personal.newAccount()

8. You can use the Eth API to view your balance. Which of these functions would you call to do that?

1 point

- ☐ eth.viewBalance()
- ☐ eth.balance()
- ☒ eth.getBalance()
- ☐ eth.myBalance()

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