# Filecoin SP Academic Study Interview Questions

1.      Q：What type of hardware do you use for your operations - sealing, storage, etc. (specific model, year, and for which part of your operations is it used)?

A：Storage CPU: Silver 4210 RAM: 32G * 4

Storage CPU: Intel (R) Xeon (R) CPU E5-2680 RAM: 32G * 4

Sealing Machine CPU: AMD 7542 RAM: 64 * 16 GPU: GeForce RTX 3080 * 1

2.      Q：What is the power consumption and capacity of a rack in your system, if known (e.g., 30kW per 4.5 PB rack)?

A：6000W, 36-Bit 476TB, 48-bit 768TB

3.      Q：How much time does sealing a sector (including all steps of the sealing task) take for you and whether it is 32/64GiB? If the different steps of the sealing process are performed on different machines, please also indicate which machine is used for what and how much time each step takes.

A：We have both 32/64GiB sectors, the complete task flow of a sector of 32GiB takes about 6 hours, and 64GiB is 11 hours.

Addpiece --> 5 mins

PC1-->4 h

PC2-->15 mins

WaitSeed-->1.5 h

C1/C2 --> 20 mins

4.      Q：Do you rent out space in a co-location data centre? If yes, do they provide information about their power usage effectiveness (PUE)?

A：Yes, we rent out space in the *anonymized location* Data Center. They do not provide information about their power usage effectiveness (PUE).

5.	Q：Do you use multiple minerIDs for your operations? If yes, what is the reasoning behind dividing your raw byte power and is it evenly distributed between minerIDs? Also, do you use multiple locations or are all your operations in one place?

A：Yes.
The main reason is that multiple minerIDs can share the risk of operation and maintenance, which brings great convenience to our operation and maintenance.
Our Miners are spread across multiple IDCs in multiple regions.

6.	Q：Does your mining operation incorporate any additional non-IT processes, which consume energy, such as cooling?

A：Of course, machine cooling is one aspect, and others include lighting, transportation, environmental cleaning and maintenance, ventilation, video surveillance, IoT sensor information collection, etc.

7.	Q：Do you also mine other cryptocurrencies, such as Ethereum, and if so, do you reuse the same hardware?

A：There are other Cryptocurrency projects involved, but most of them cannot share equipment, because independent Cryptocurrency projects have algorithmic tendencies, resulting in the use of directional optimized hardware, so it is basically impossible to reuse hardware to other projects.