

Part One

Data Dog:

The data dog client won't open. After installing and spending 30 minutes trying to get it to work, it just won't open. Super frustrating. Will not be used.

Octopus:

After trying for nearly 75 minutes to get octopus to work, it continually keeps crashing and doesn't work. Will be trying something else.

AWS:

Aws was the easiest and finally got it to work compared to the other 3 that I tried. There were several guides that I found that worked. AWS was launched in 2002 and is the largest cloud based services. It generate 46 billion a year in 2020.

Part Two:

Results for extraLargeArray: insert 1 s, append 2.8468ms.

Results for tinyArray: Insert took 31.1us, append took 76.4us.

Result for smallArray: Insert 43.6, append 86.2us

Results for mediumArray: Insert 162.6us, append 128us

Results for largeArray : Insert 7.9279 ms, append 500.5us

Each array is getting 10 times longer with each array, so it's obviously taking a bit longer for each sized array. But the insert seems to be taking longer than the append method. Therefore the insert method would be less efficient. The append method scales better.