# The Problem

We would like to automate the process of installing new servers to the system. We would like to choose a storage so that we can optimize the overall resouces of the system. A certrain capacity, IOPS, and throughput will be requested and we need to find the optimal storage to assign these resources.

## Solution Idea

A simple solution but very efficient and scalable.

The idea is we need to find the storage that fits our request best without wasting any resources.

For example: If we have a 30/40 TB storage and a 20/40 TB storage and the request is asking for 10TB then we will assign it the storage with 30/40. But we have to apply this idea to all the fields including IOPS and Throughput.

## Implementation

Here is an overview of the structure.

`compute.py extractor.py storages.json priority.json`