

A decorative graphic on the left side of the slide. It consists of a blue parallelogram and a light green parallelogram, both tilted at an angle. The blue shape is in the foreground, and the green shape is partially behind it. They are set against a dark blue background with faint, lighter blue diagonal stripes.

Lec 8 - Topics in distributed systems



CAP Theorem



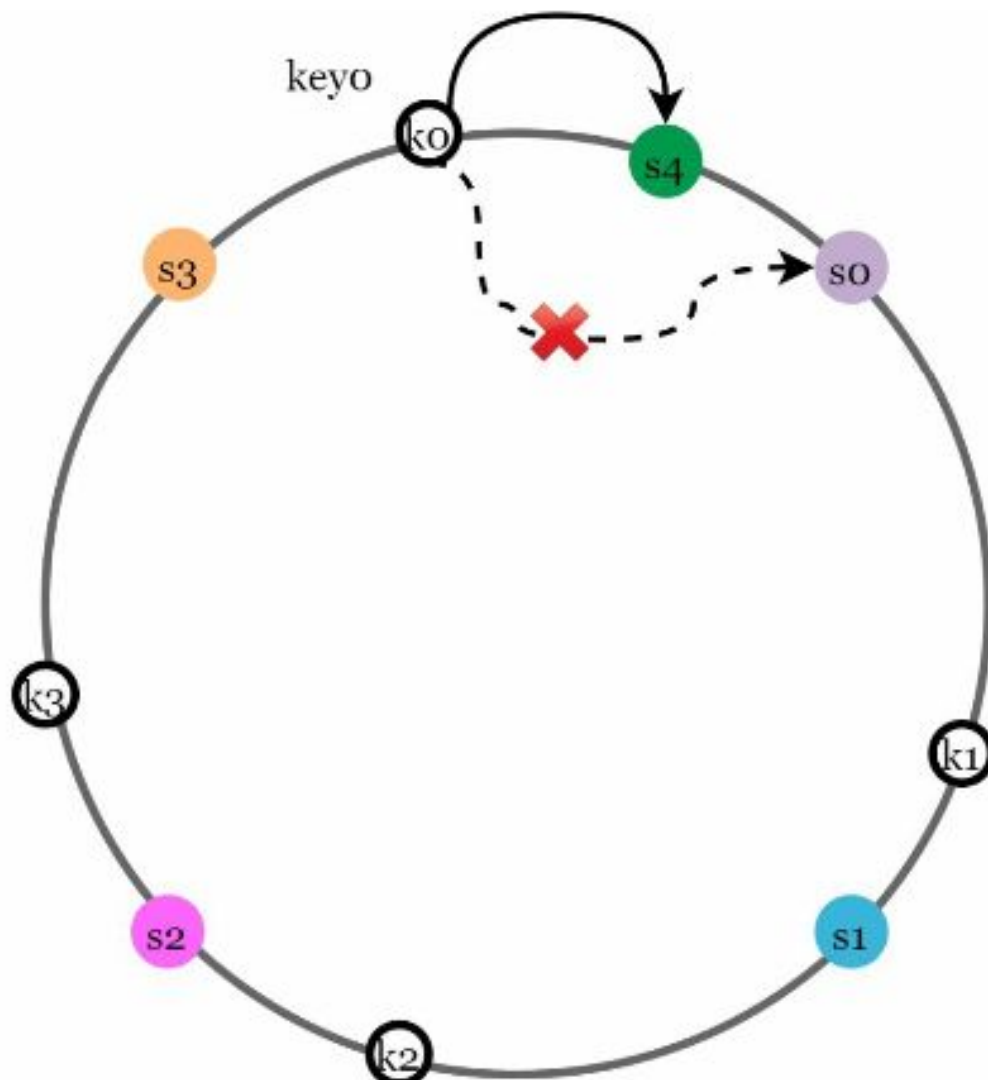
CAP Theorem

- Consistency
- Availability
- Partition Tolerance



Consistent Hashing

- How do we avoid massive cache miss and reshuffling after a node is added or removed?





Bloom Filters

- Asking: is an element in the set? But the set doesn't fit in memory
- Answer: No or Maybe yes



Bloom Filters

- Let's see an example!

