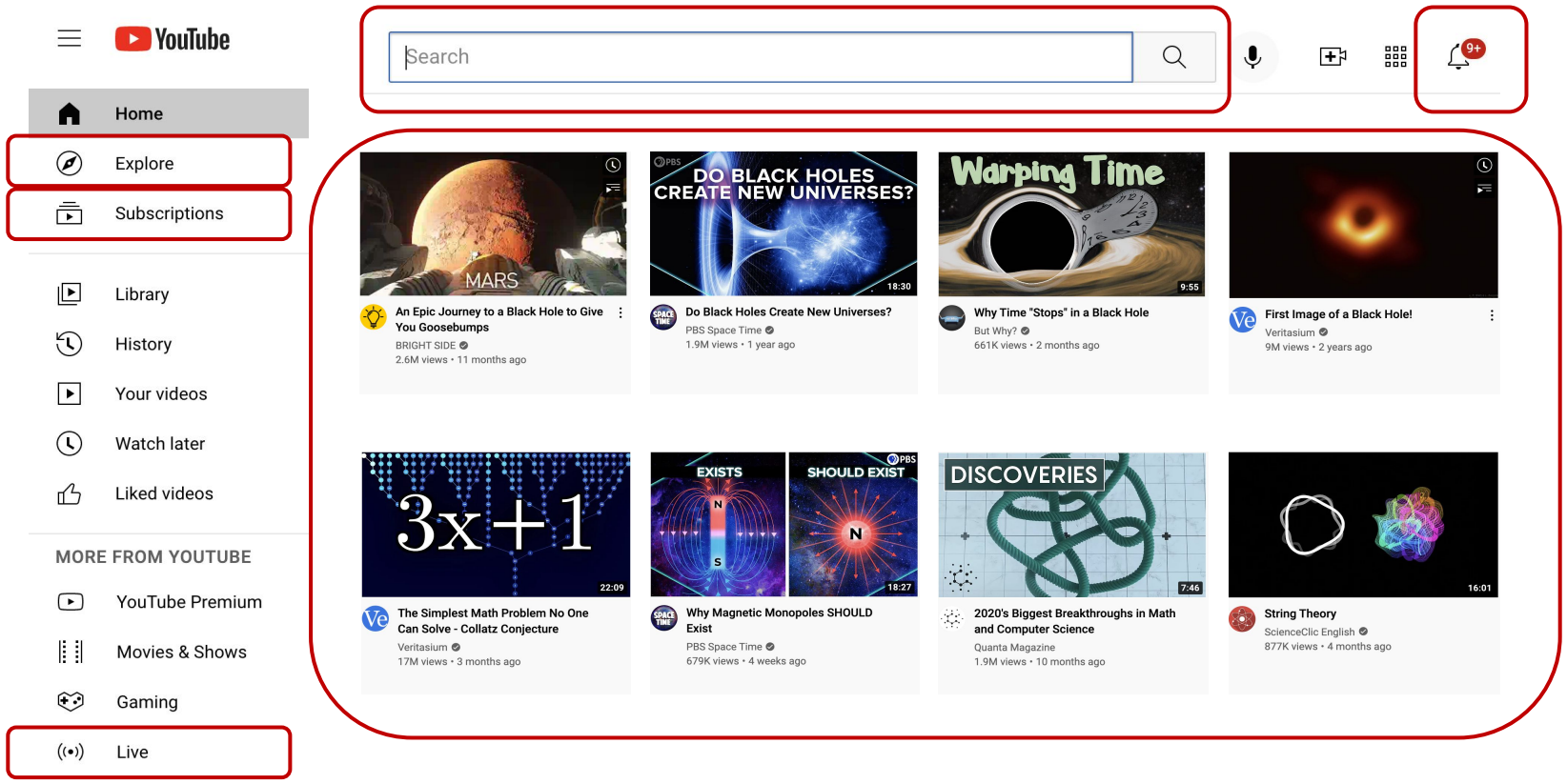
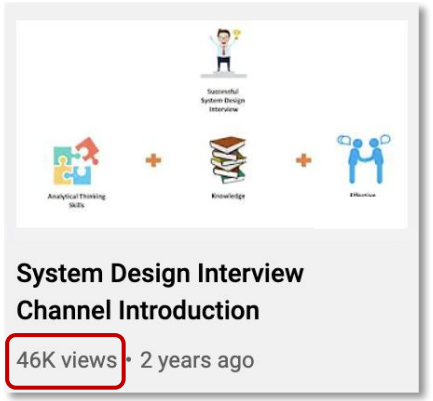
Course introduction



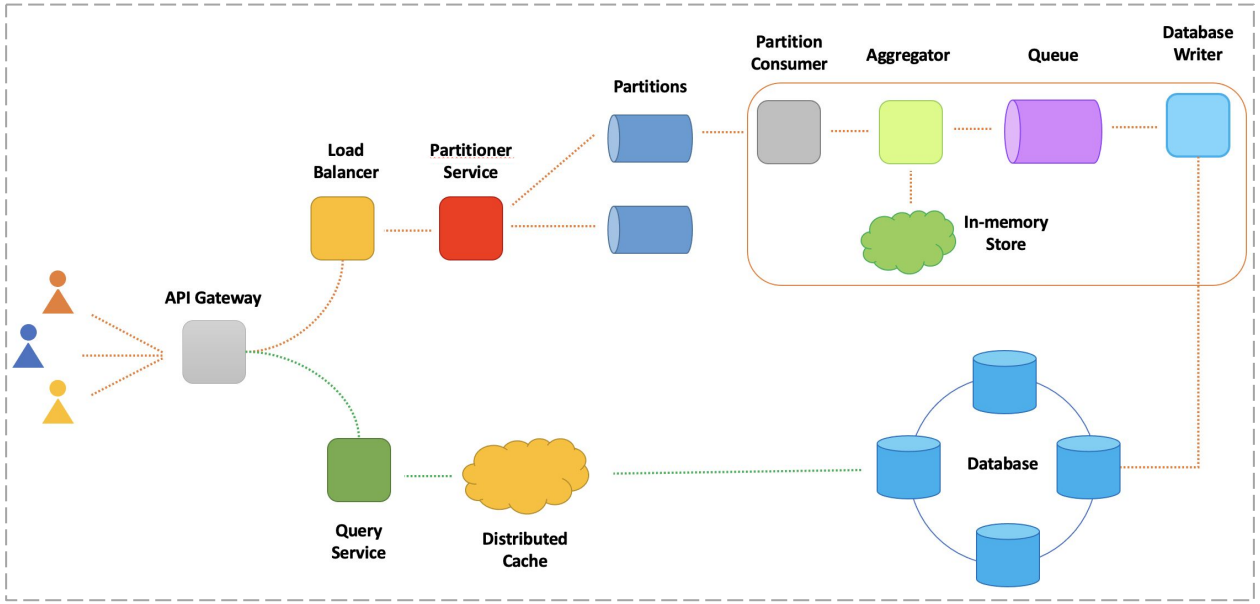
Course introduction

some YouTube video



counting this number requires an advanced distributed system

in the video we built this architecture



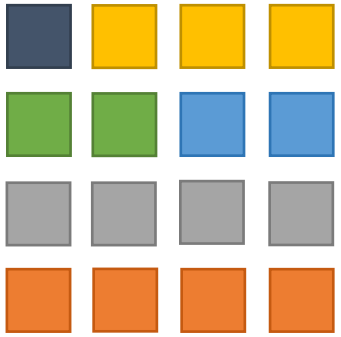
Course introduction

how to transfer data at large scale	how to aggregate data efficiently	how to store data reliably	how to retrieve data quickly
non-blocking I/O	push vs pull	reverse proxy	aggregate on write
buffering and batching	deduplication	coordination service	eventual consistency
network protocols	checkpointing	health checking	denormalization
message formats	data enrichment	peer and service discovery	data rollup
load balancing	embedded database	replication	hot and cold storage
partitioning	state management	quorum	polyglot persistence
consistent hashing	fallback	availability zone	distributed cache

Course introduction

building instructions

design



concepts

knowledge of when and how to use