Assumptions

- Total users 50k

 Daily Active Users = 1667 >> 50k / 30

 Daily posts = 2500 >> 50% of the users posts 3 times a month, 50% * 50k * 3 / 30 = 2500

 AVC post size is 50MB

 Storage = 50MB * 2500 * 30 = -3.75 TB = 4TB

 Daily Newer Users = 40k >= 90% * 50% * 50k

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 Daily Newer Users Request Per Second = 5 requests per second >> every user make 10 request a day 40k users per >> 40k*10/24/50/50

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 Reads = 40k users consume in avg 15 posts a day >> 40000*15/24/50/60 >> 7 posts per second * 1MB >> 7MB metadata

 Monthly Write to s3 >> 4TB + Read (40000*15*50MB) 29TB

