Long Val -> Short Val
WWW. our wally on a 1. a. con > www.tingwol.com/ur.
nedirect
=> Usq Can have custom
-> Limited Time Span
Capacity Estimation & Constraints
System will be read heavy 1000: 1 read: writer
read : writer
Assume 500M Vil storting per month
7 = 500 M * 100 = 500,000,000,000 read ? = 50B
Querry: 500H+(30 * 24 * 3600
~ 200/S (New URL Shortning
Read Operations.
200 × 100 = 20000 = 20k/S

Storage Estimation: 5 year Estimation
500M * 12 * 5 500 * 60 = 30000 M { 100 Million = 1 Billion = 303
Assume each object will be 500 bytes
30B + 500byte 150098 bytes = (15TB)
Band Width Assumption
Write Estimation
200 x 500 = 100000 = 100 KB/S
Read Total Outgoing Data 20 K × 500=~10 MB/S

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