

Why is $\log(N)$ low?

- $\log(N)$ is not constant in theory
- But pragmatically, it is a very slowly growing number
- Base 2
 - $\log(1000) \sim 10$
 - $\log(1M) \sim 20$
 - $\log(1B) \sim 30$
 - $\log(\text{all IPv4 address}) = 32$