Distributed Systems (CMPE-273)
Professor: Dr Simon Shim

Group #6 (Reddit Clone)

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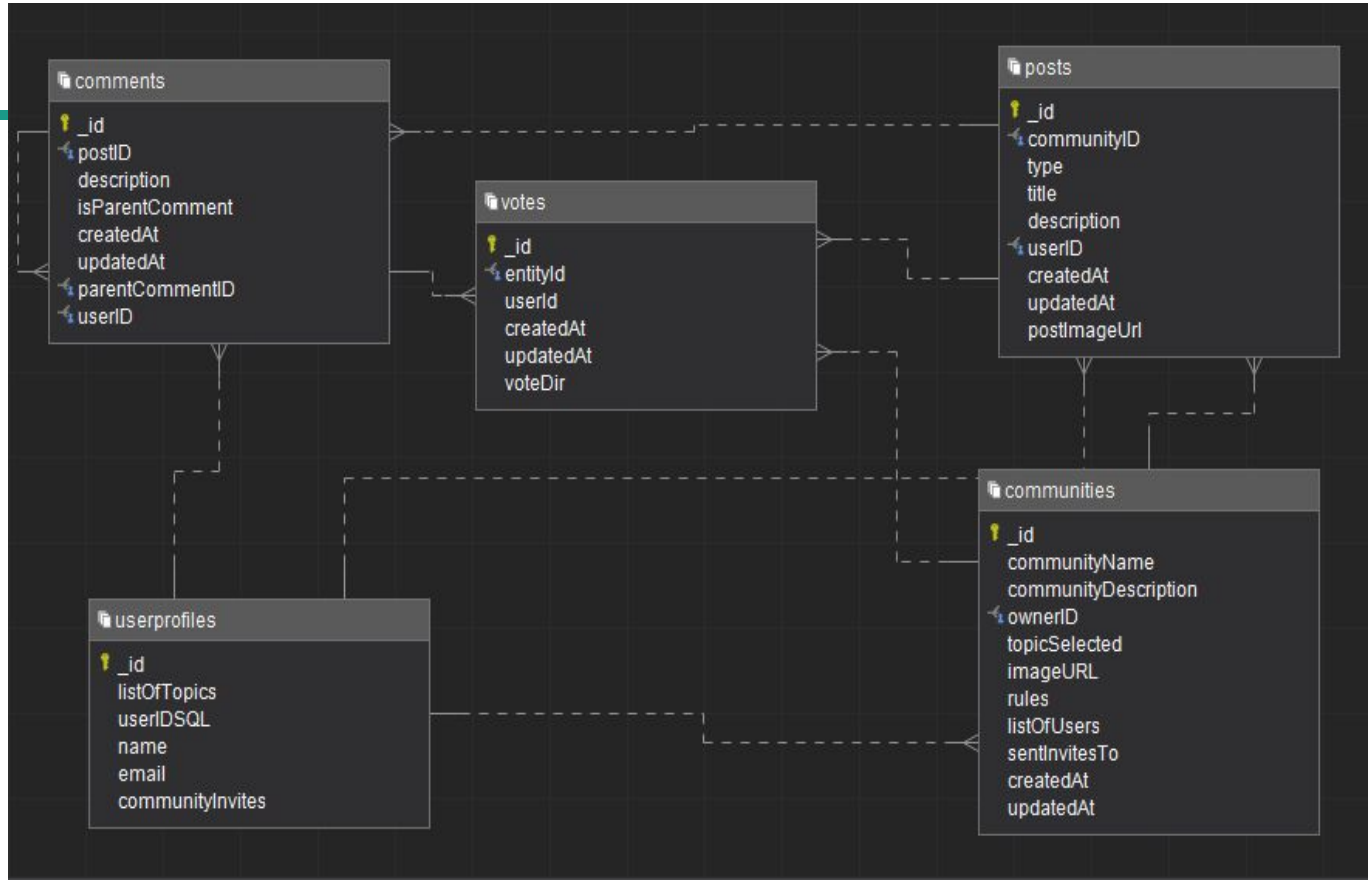
Vinay Guda	015255123

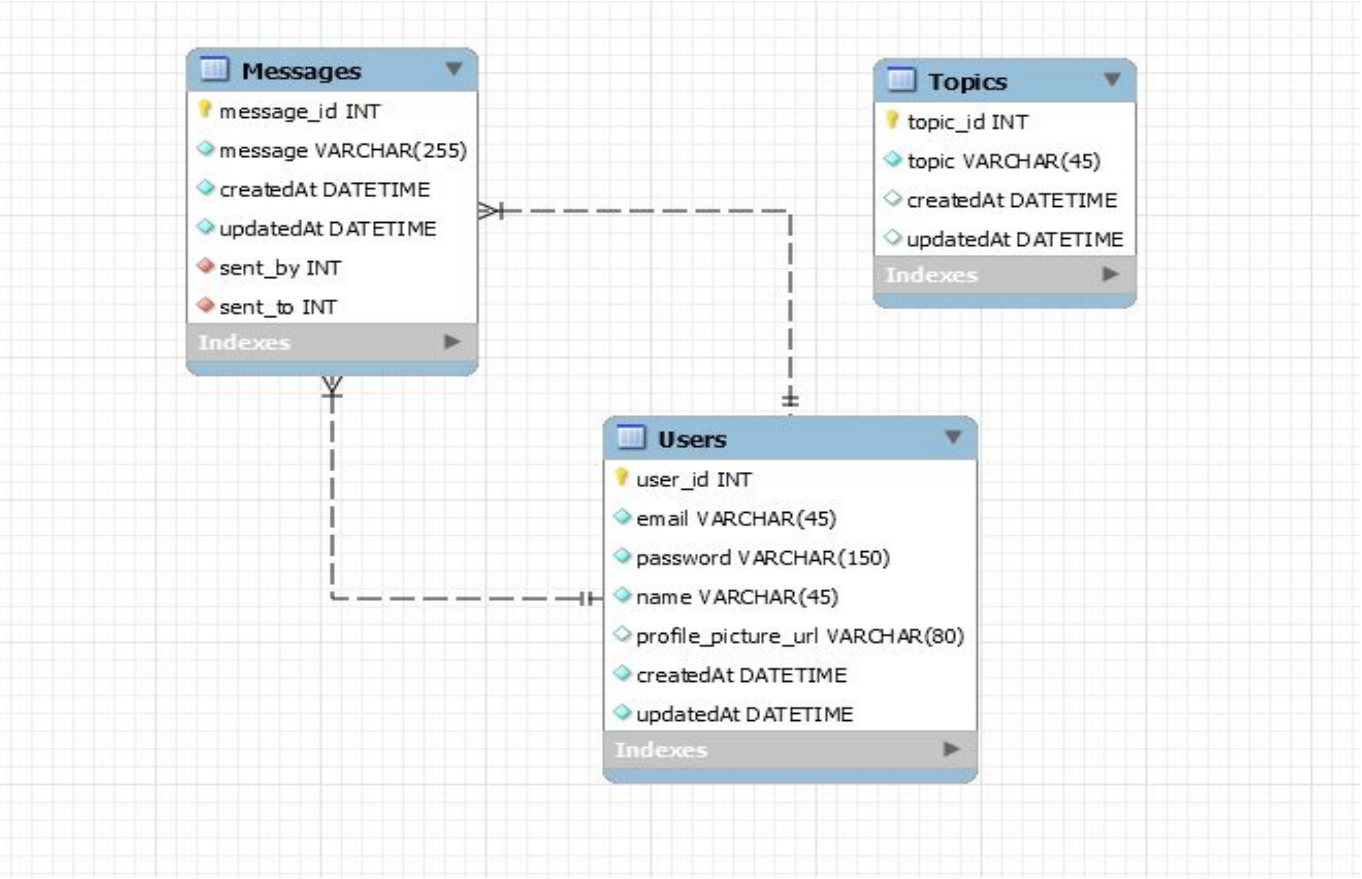
Database Schema

MongoDB

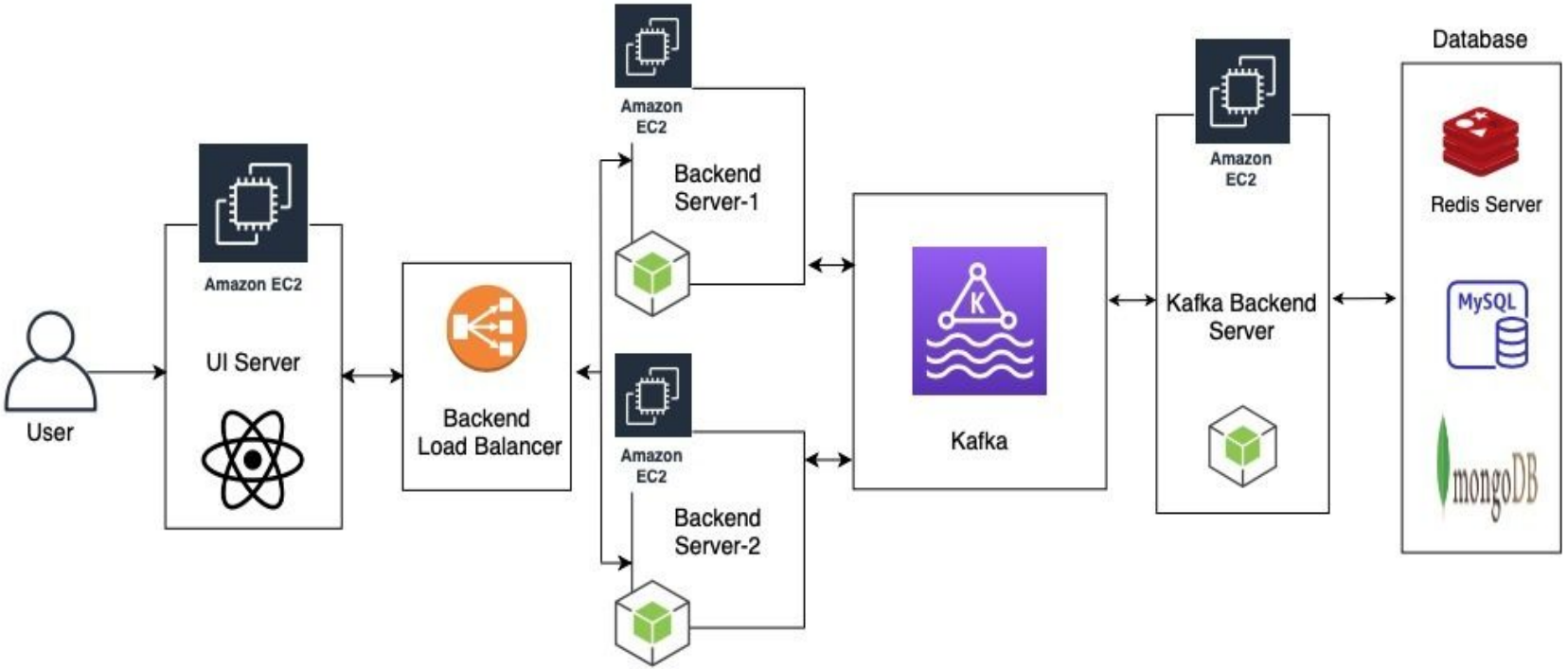


Database Schema

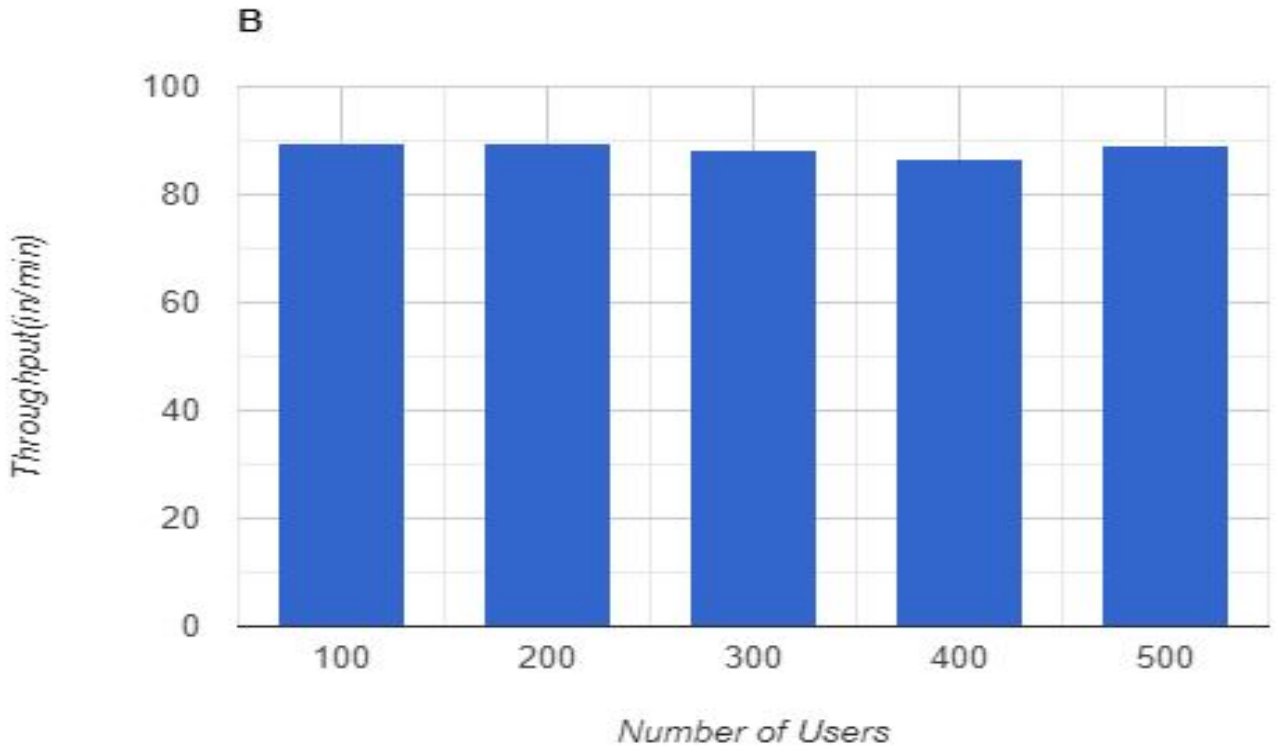
MySQL



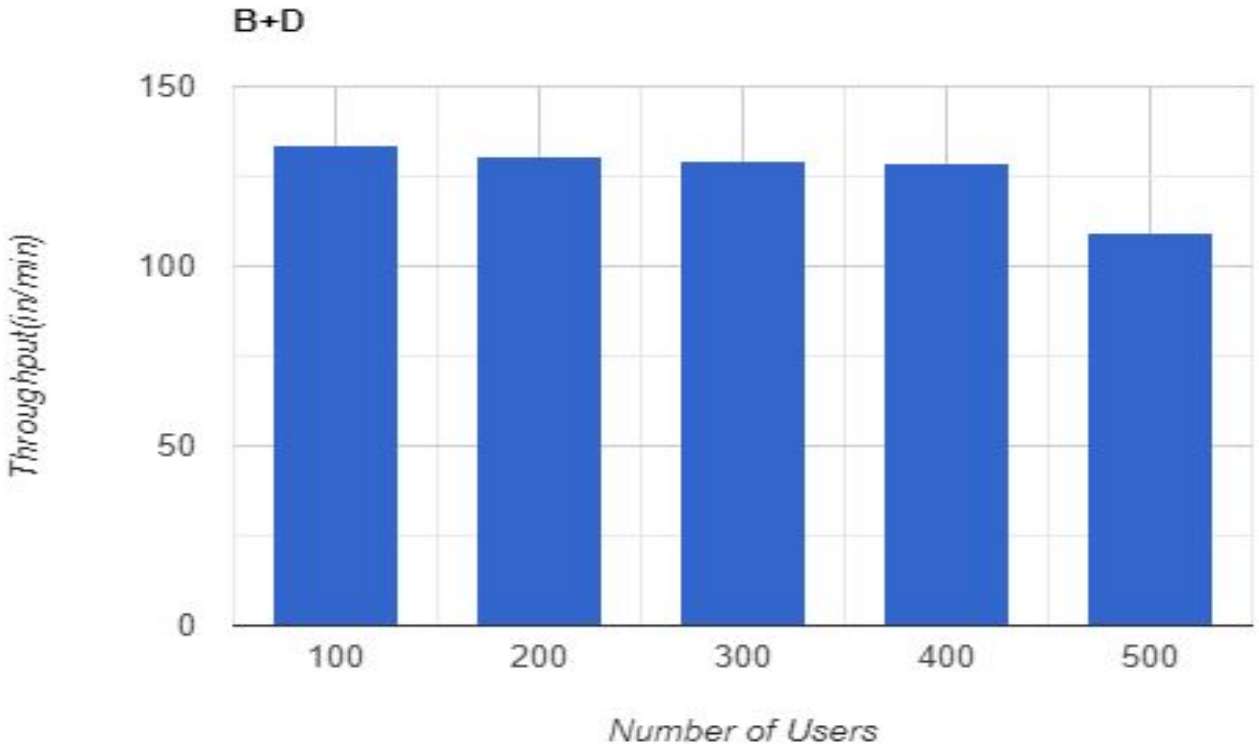
System Architecture Design Diagram



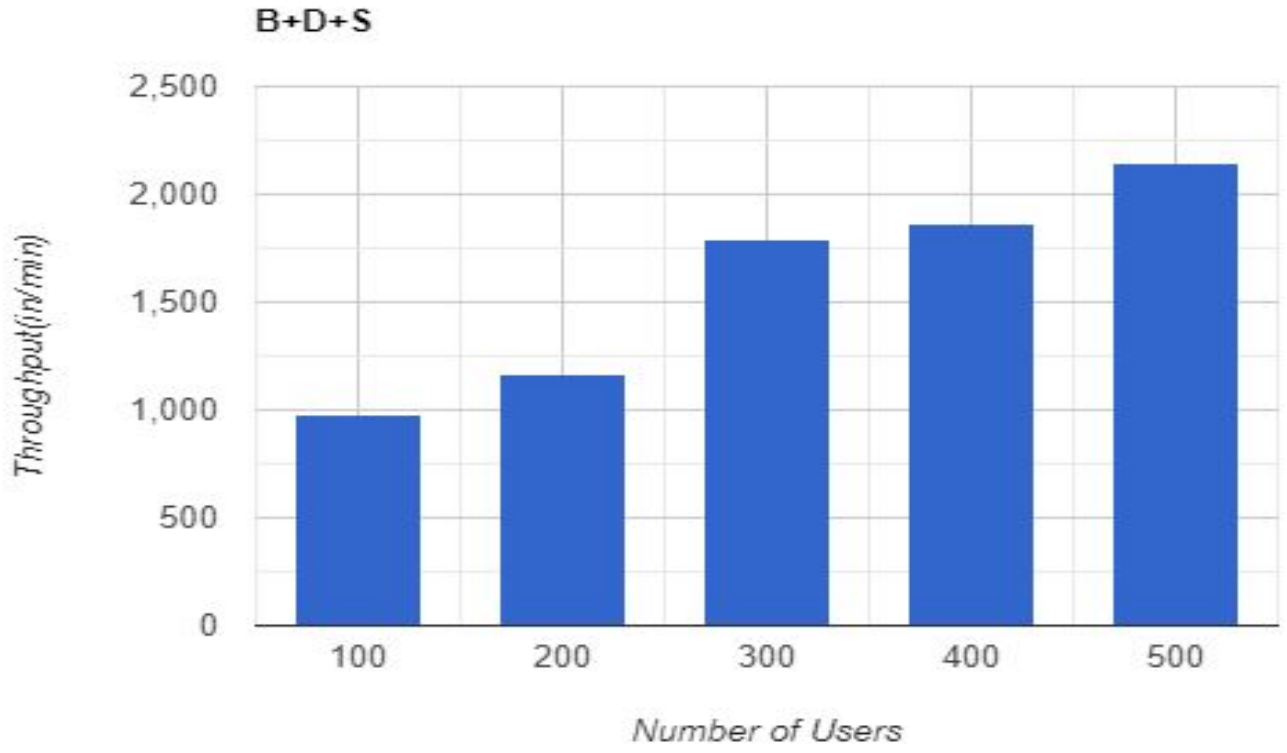
Jmeter Testing with Base (B)



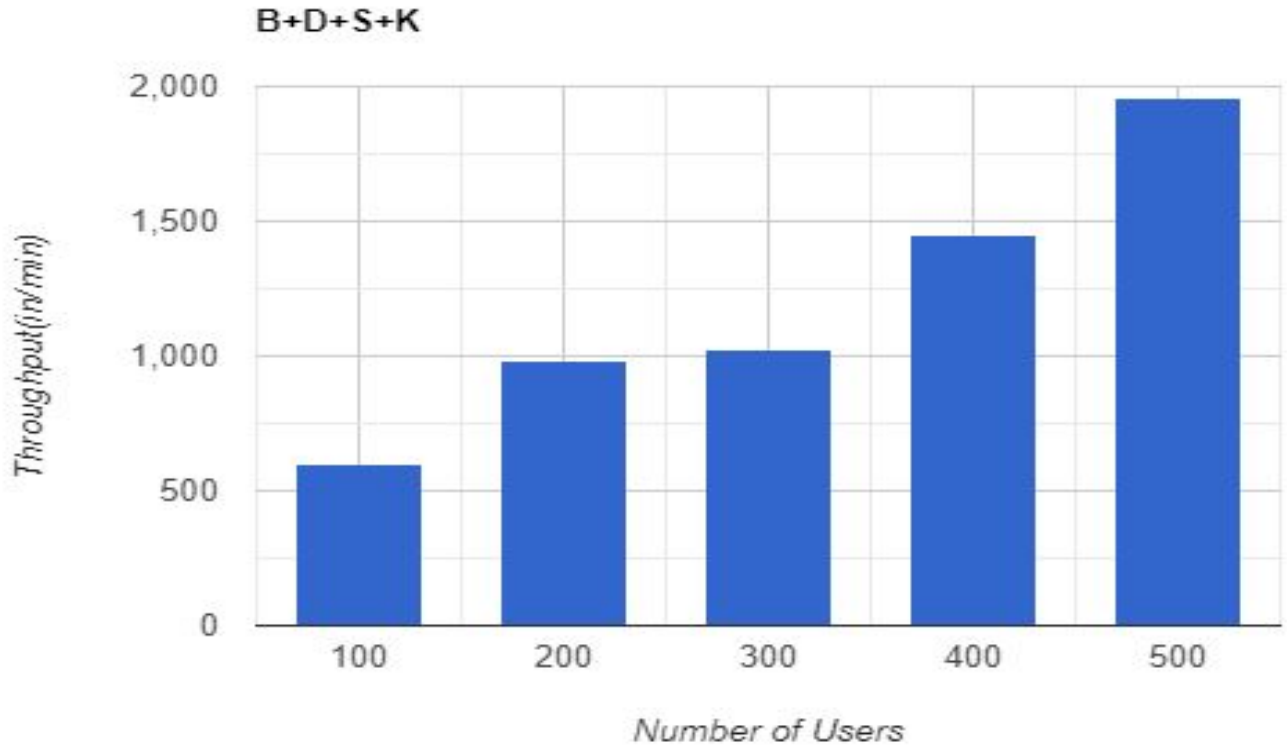
Jmeter Testing with connection pooling (B+D)

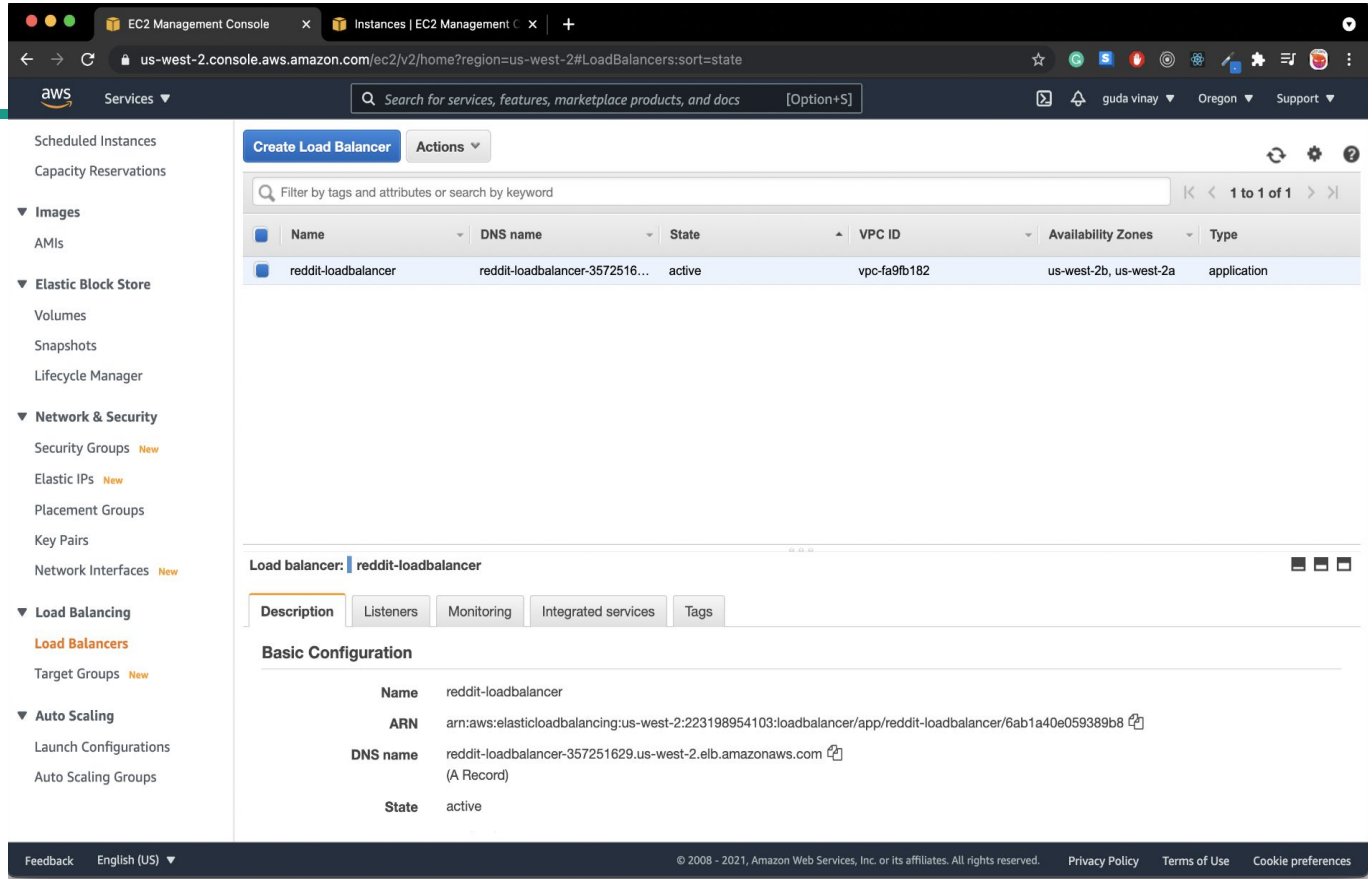


Jmeter Testing with Redis and connection pooling (B+D+S)



Jmeter Testing with Redis, kafka and connection pooling (B+D+S+K)




EC2 Management Console
Instances | EC2 Management
us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LoadBalancers:sort=state
aws
Services
Search for services, features, marketplace products, and docs [Option+S]
guda vinay
Oregon
Support
Scheduled Instances
Capacity Reservations
Images
AMIs
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Security Groups New
Elastic IPs New
Placement Groups
Key Pairs
Network Interfaces New
Load Balancing
Load Balancers
Target Groups New
Auto Scaling
Launch Configurations
Auto Scaling Groups
Create Load Balancer
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
DNS name
State
VPC ID
Availability Zones
Type
reddit-loadbalancer
reddit-loadbalancer-3572516…
active
vpc-fa9fb182
us-west-2b, us-west-2a
application
Load balancer: reddit-loadbalancer
Description
Listeners
Monitoring
Integrated services
Tags
Basic Configuration
Name
reddit-loadbalancer
ARN
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DNS name
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(A Record)
State
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Feedback
English (US)
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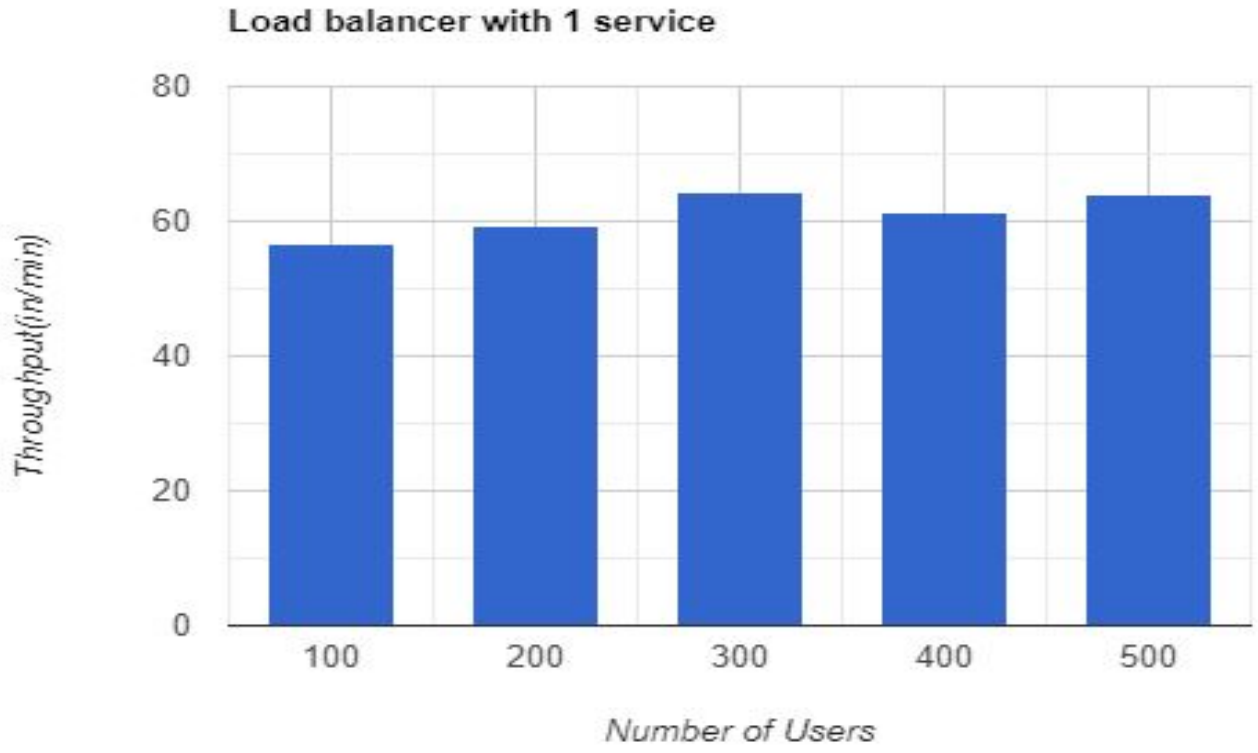
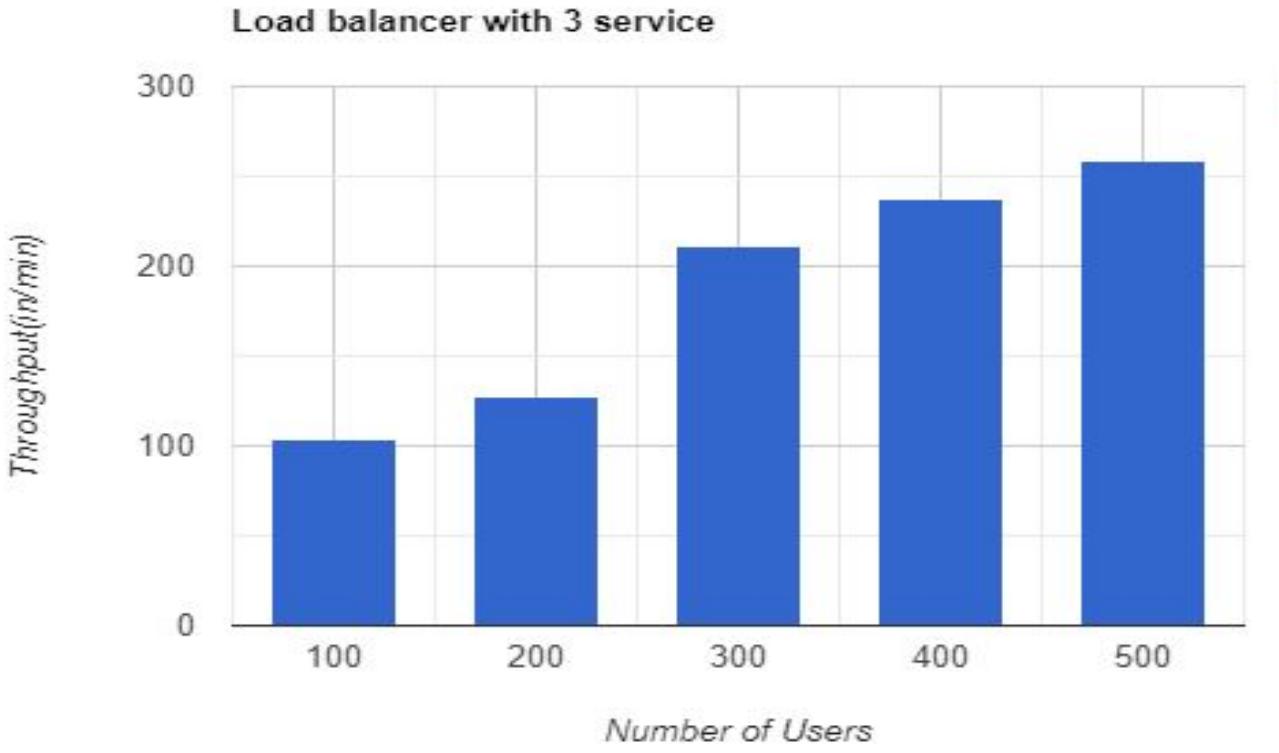
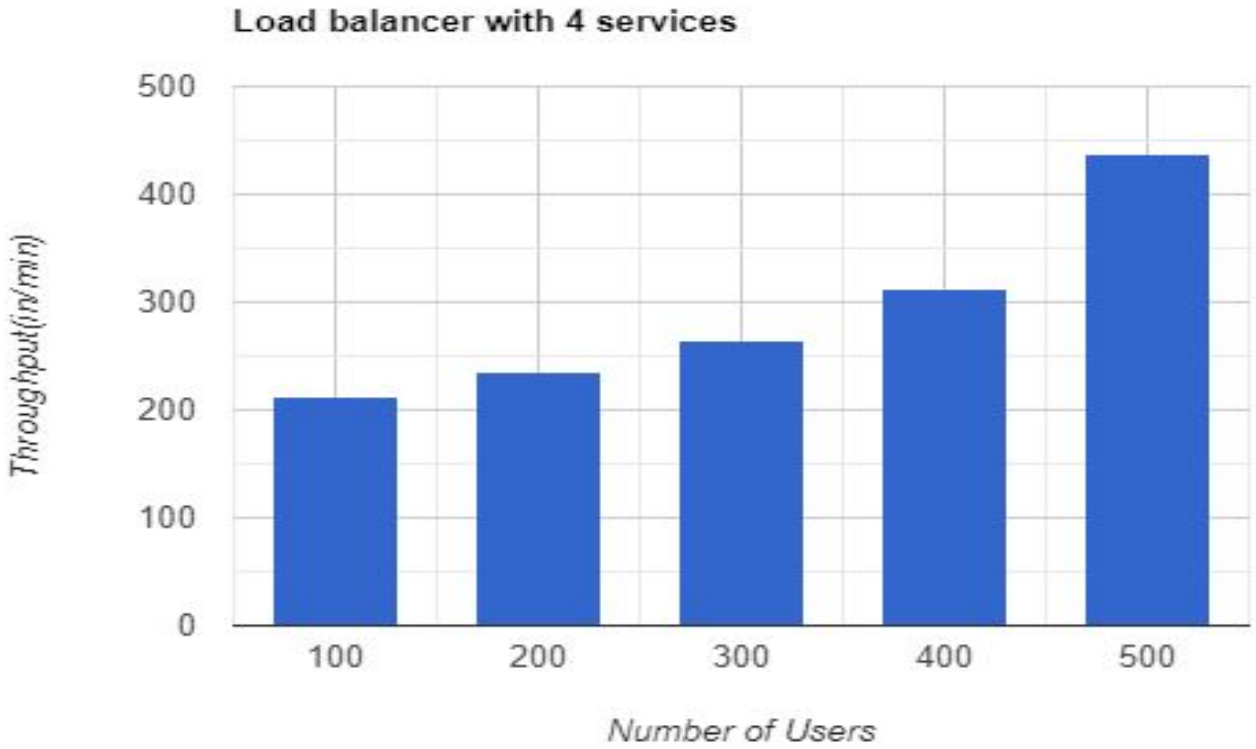
Load Balancer for 1 service



Load Balancer for 3 services



Load Balancer with 4 services