

Solution of Constraints

Run a scheduler every n days/ hours to clear out the expired data based on epoch time. This will take care of TTL which might not be an added feature in some datastores like mySql or mongoDb.

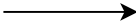
Each of these components is horizontally scalable.

All the arrows will have some kind of proxy servers or load balancing set up. Whichever component you want to scale horizontally, might want to have a load balancer before it. For datastores, they have their own replication logic.

Since it is read heavy and not that write heavy ,we can make good use of cache

send request to
ALB and it sends it
to target group.





S3 will host the static UI



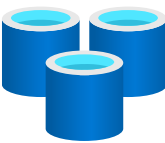
send request to apigw and it will send the endpoint to the target .



Run the backend logic.



keep the port of ec2 or fargate instances open to public.



Cache

