Need to Host/run an application(Custom Apache)

1. I want to allow people who accessing(login) application servers from only one particular network/server. (bastion host).

2. I want to run application in Private network (Private IP).

3. Needs to be accessed over internet - Apache page to be loaded from browser.

4. I need min 0f 2 server running 24/7.

5. If load exceeds more than 55% increase up-to 5 servers.

6. Remove server if load was below 20%.

7. All server created by Auto scaling should add automatically into ALB.

8. I want to get connection between only my application server and RDS server(connection check - telnet command).

9. Where RDS should be MySQL & Private network.

10. Should be in different VPC than applications server.

11. Where I need Replica of RDS in different region.

12. And my data in S3 should be deleted if it was more than 7 days.

13. And older than 2 days should be moved to glacier.

14. Need single dashboard for application server & RDS Server CPU metric.

15. Only Sudheer user needs to have access for that dashboard.

16. Need unused Elastic IP's to be deleted automatically on Everyday. (Script & Note down steps).

17. Delete Volumes automatically which are unattached to any instance on every Saturday. (Script& Note down steps).

18. Stop all servers on Friday 11:30PM and start on Monday 8:30AM.(Script & Note down steps).

19. Where Sudheer user needs to have only read access to all services.

20. And Demo user should have complete admin access for all services that you provisioned.

21. And only Sudheer User needs to have full access for all S3 buckets.

22. Where I need complete alerting for all events.

23. Need to take all application servers(lifecycle manager)/RDS server backups automatically on every weekend(note down steps).

24. Need to deploy new version of code with zero downtime.

25. And I need cost optimization measures for my infrastructure - (theory explanation).

26. I want these to be highly available (Theory).

27. How will be you troubleshoot if application was down over weekend (Theory).

28. There is lag/performance issue of our application, How will you find root cause?