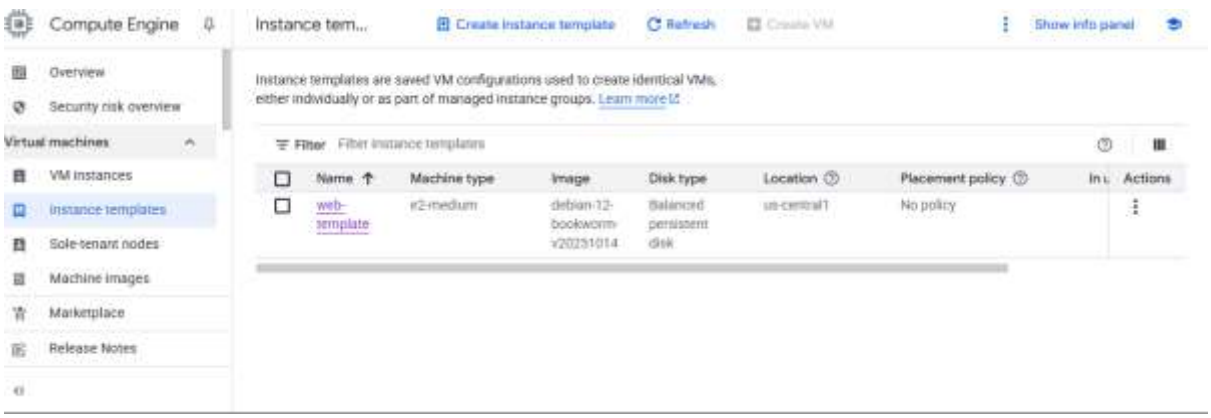
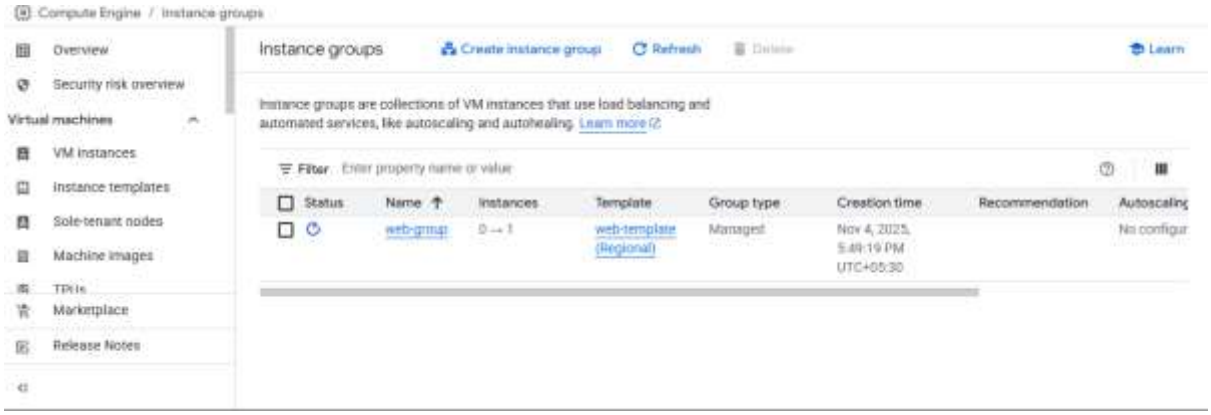
Task 7: Configure Load Balancing and Auto Scaling for a Web Application

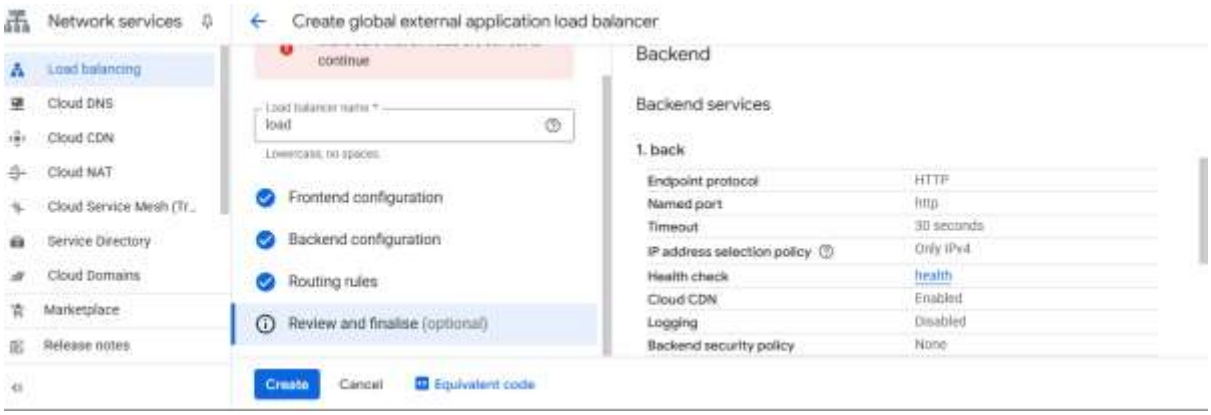
Load Balancer dashboard showing backend instances



* Auto Scaling configuration



Public load balancer URL (working app)



Short note (4–5 lines) describing setup and what happens during scaling

I created an Instance Template that installs Apache and a simple HTML page on startup, then used that template to create a Managed Instance Group with autoscaling (min=1, max=3, target CPU=60%). I configured an HTTP Load Balancer with a health check that routes traffic to the instance group. Under load the group automatically scales out additional instances and the load balancer distributes requests across healthy instances, ensuring availability and responsive scaling.