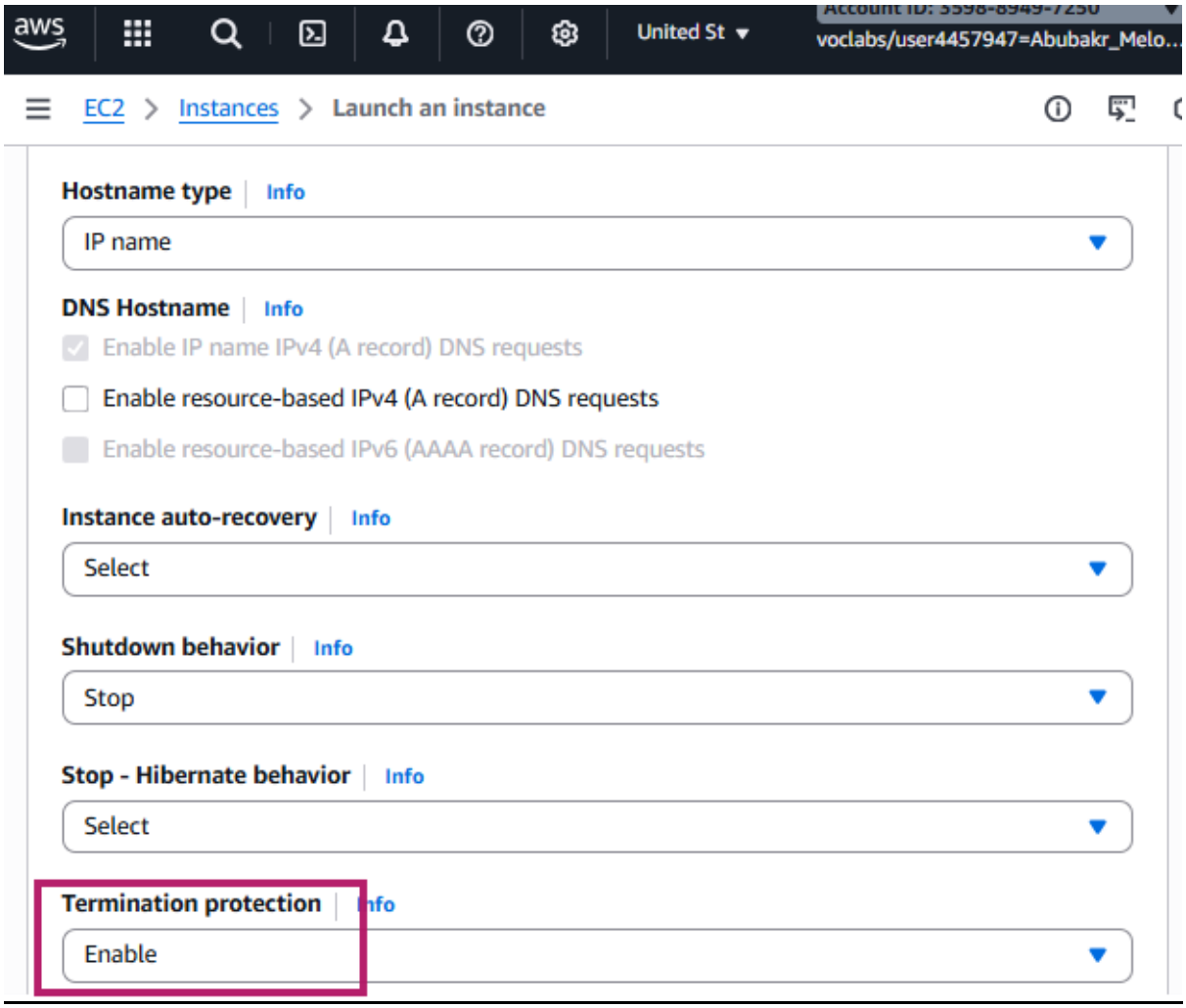
(Module 6 Lab - Introduction to Amazon EC2)

- **Screenshot successfully launched Amazon EC2 instance 'Web Server' with termination protection enabled and user data script for web server deployment.**



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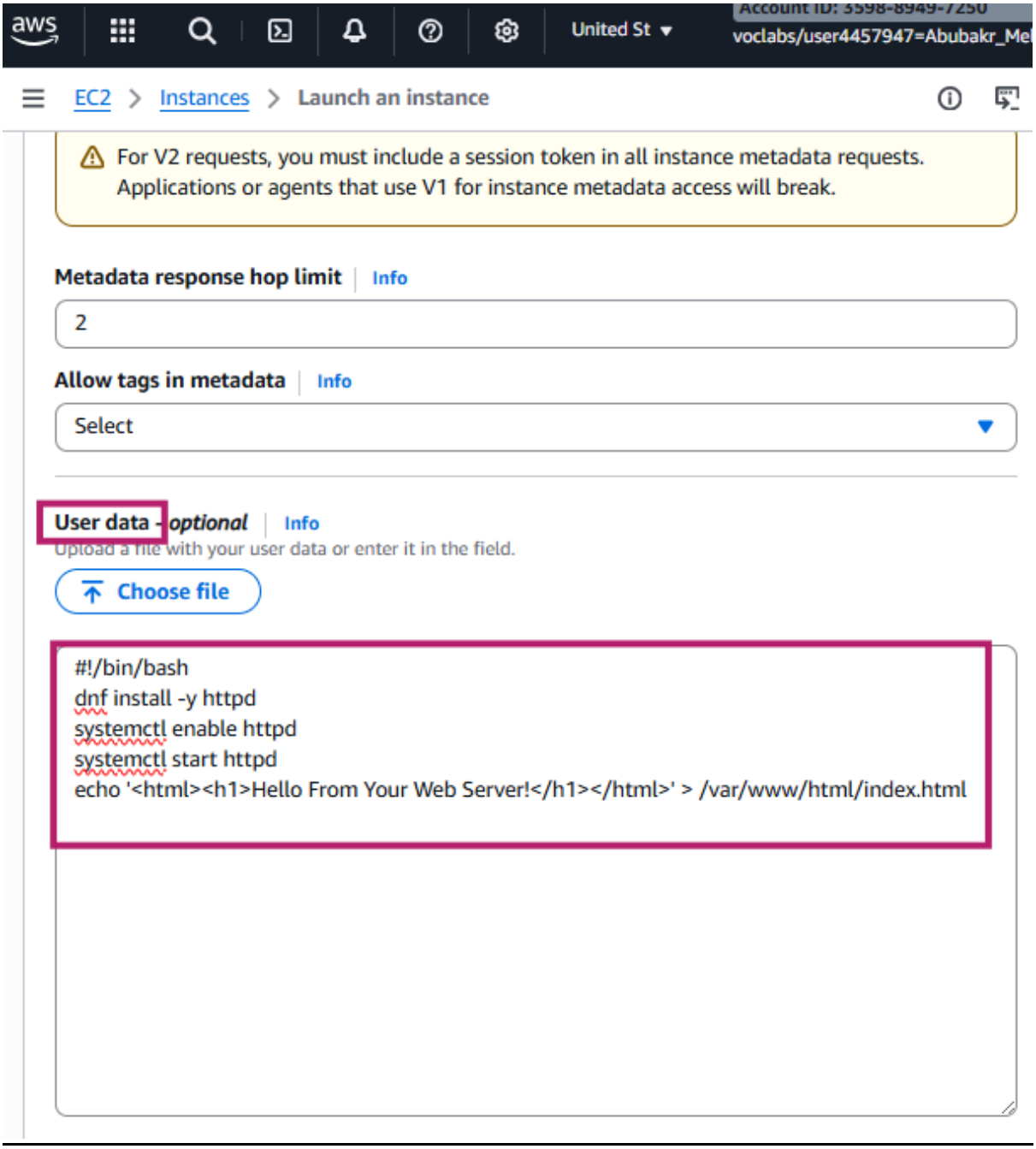
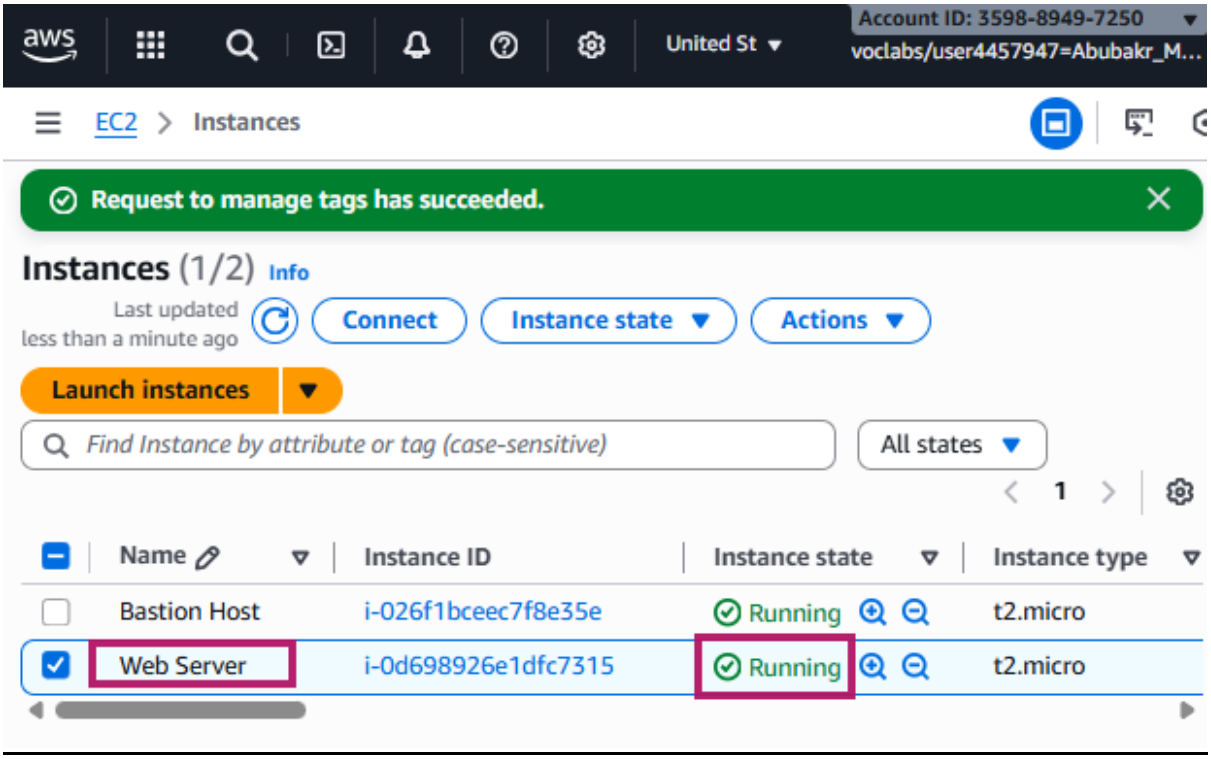
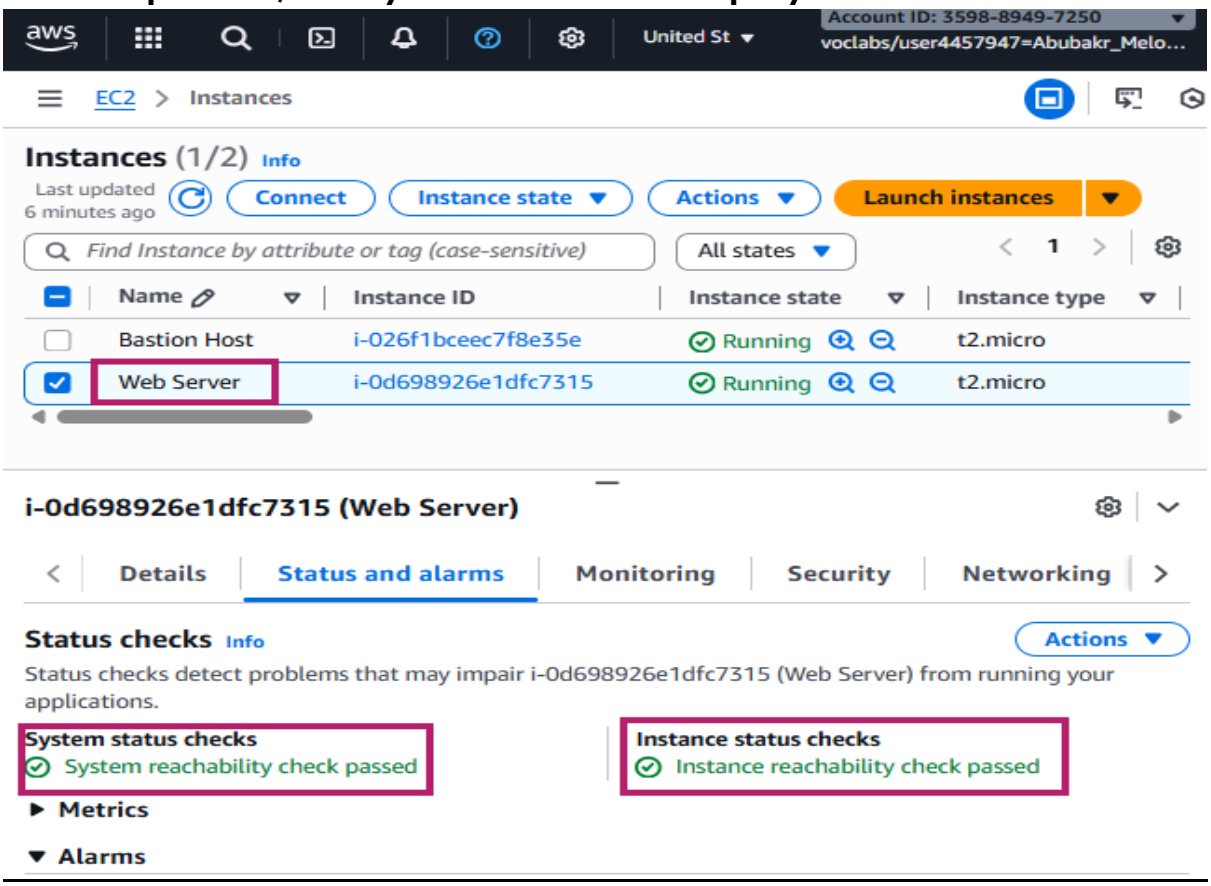
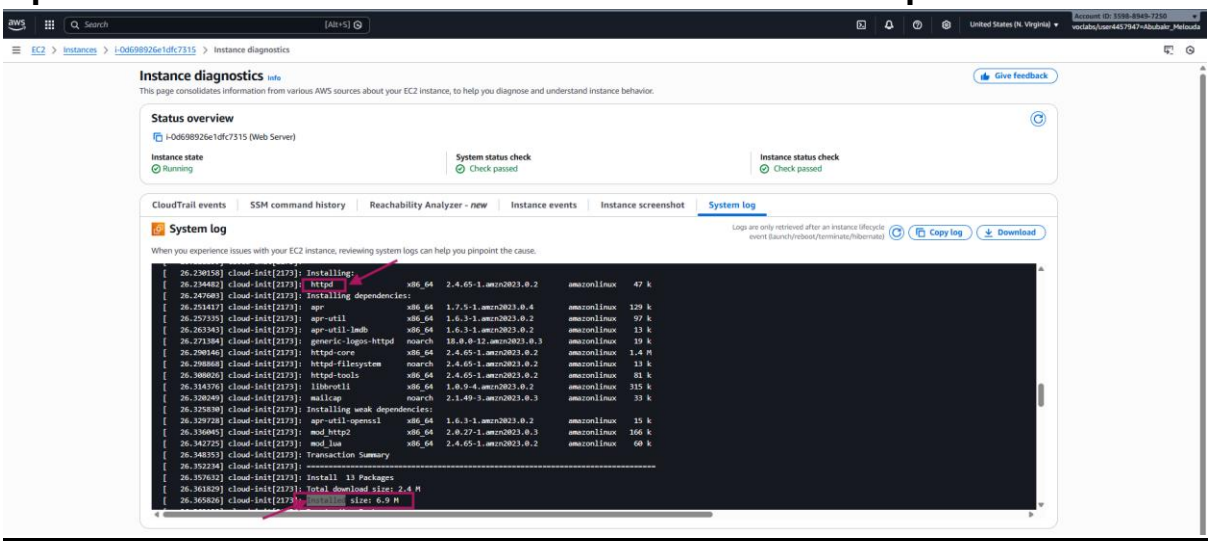




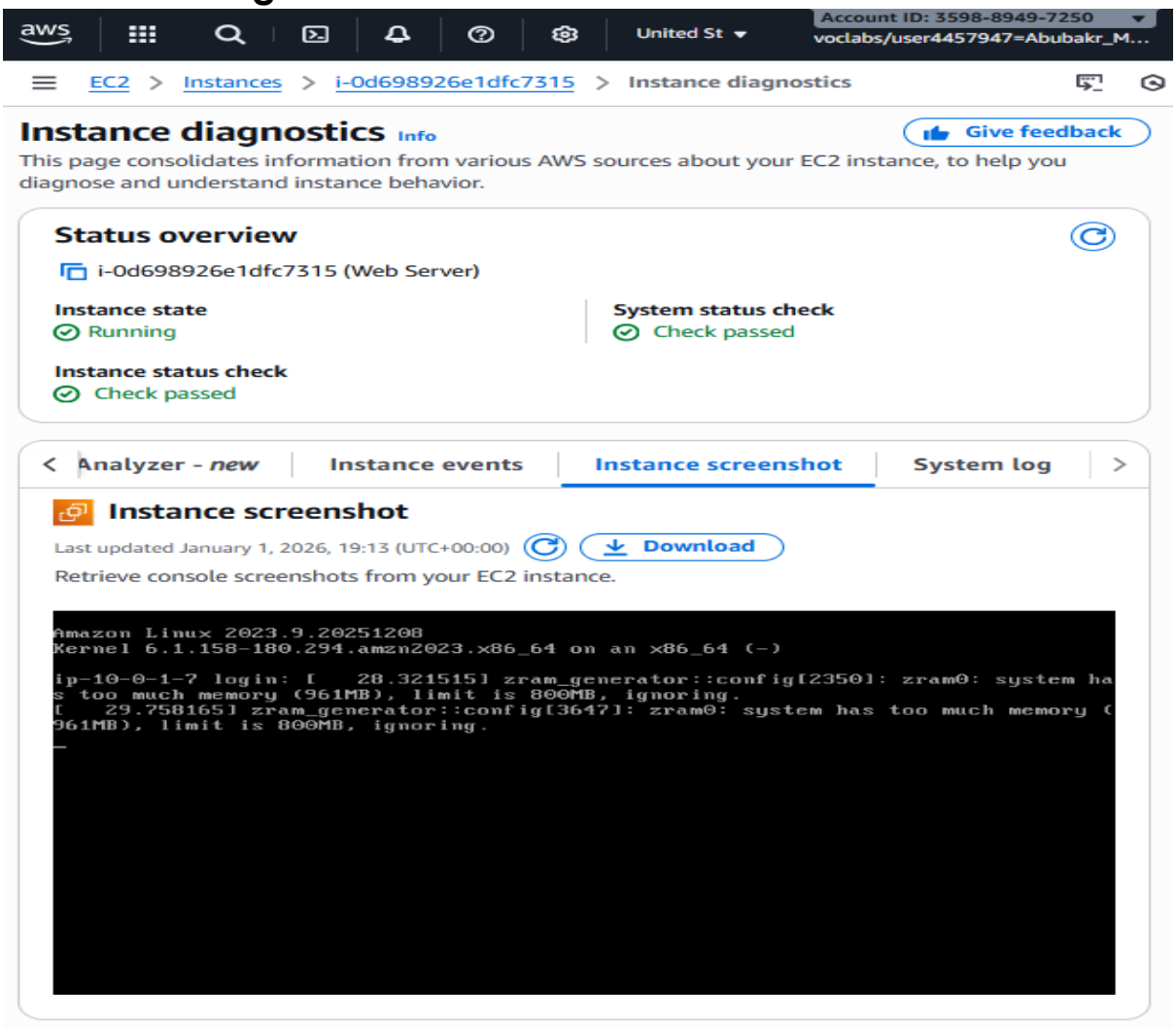
- **Screenshot EC2 instance successfully running with all status checks passed, ready for web server deployment.**



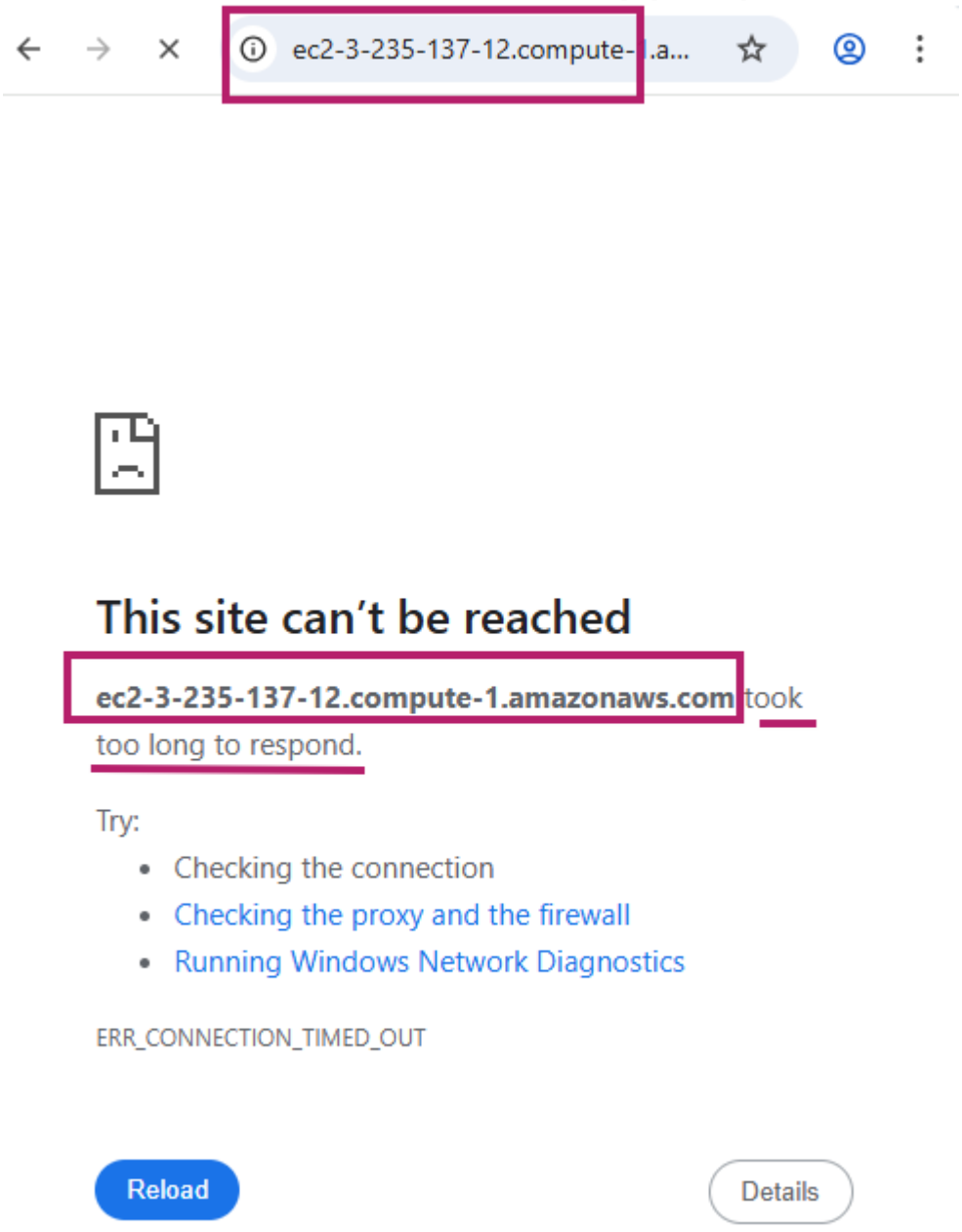
- **Screenshot EC2 instance system log showing successful Apache HTTP server installation from user data script.**



- **Instance screenshot showing console output - useful for troubleshooting inaccessible instances.**

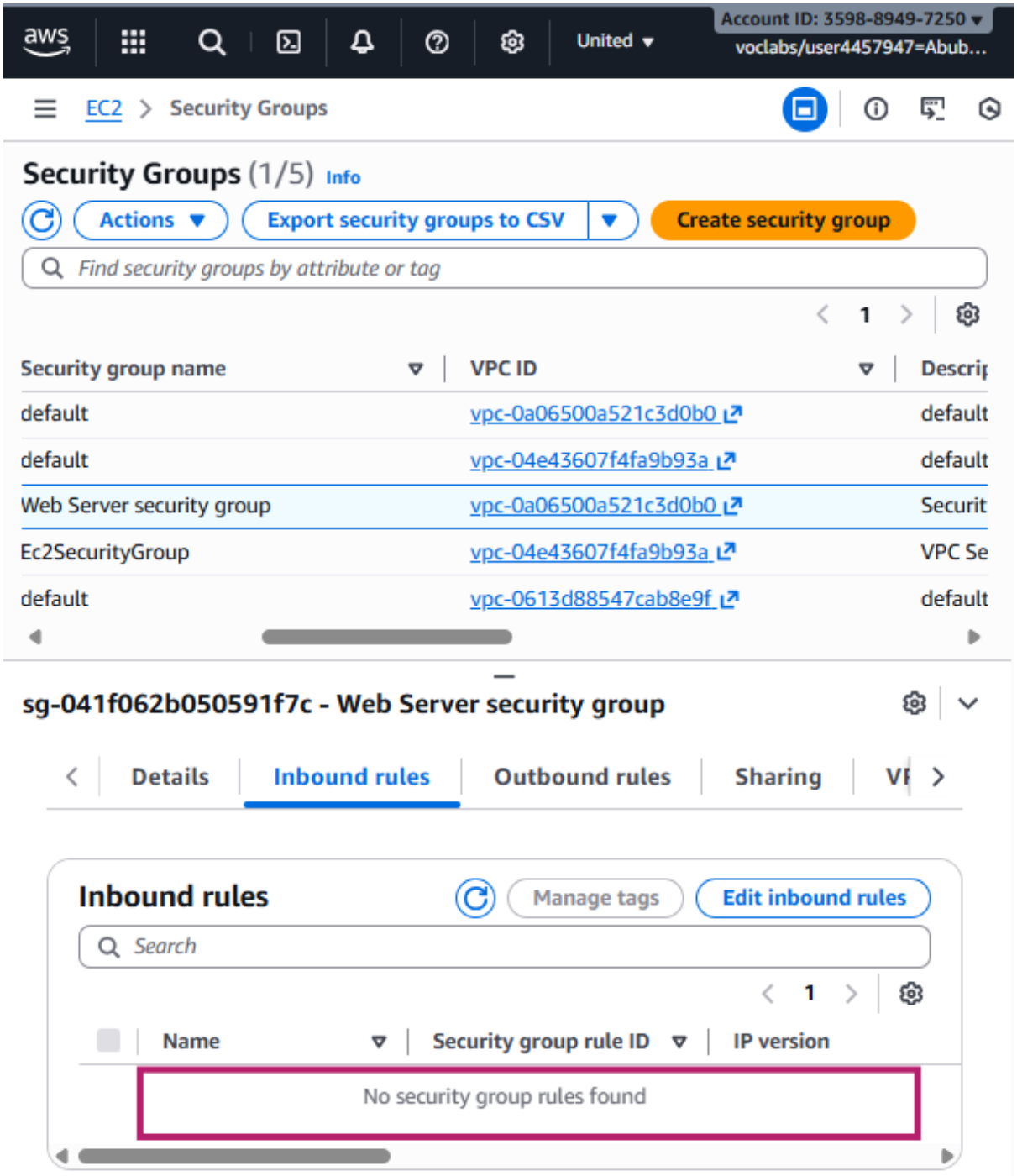


- **Screenshot initial security group configuration with no HTTP access - demonstrates default deny policy.**

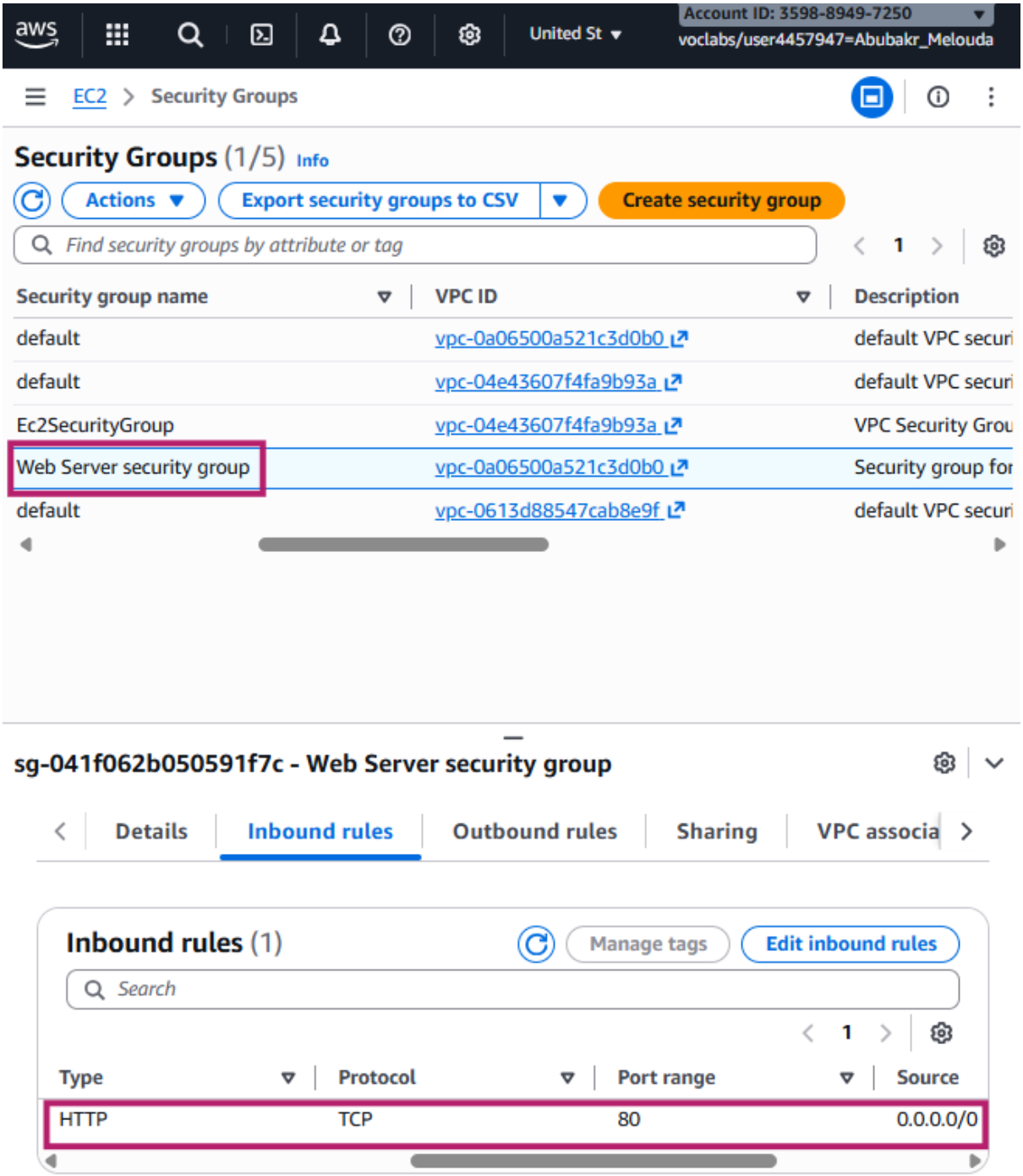


- **Screenshot updated security group allowing HTTP traffic on port 80 from any IP address.**

Security group before modification - no HTTP access allowed

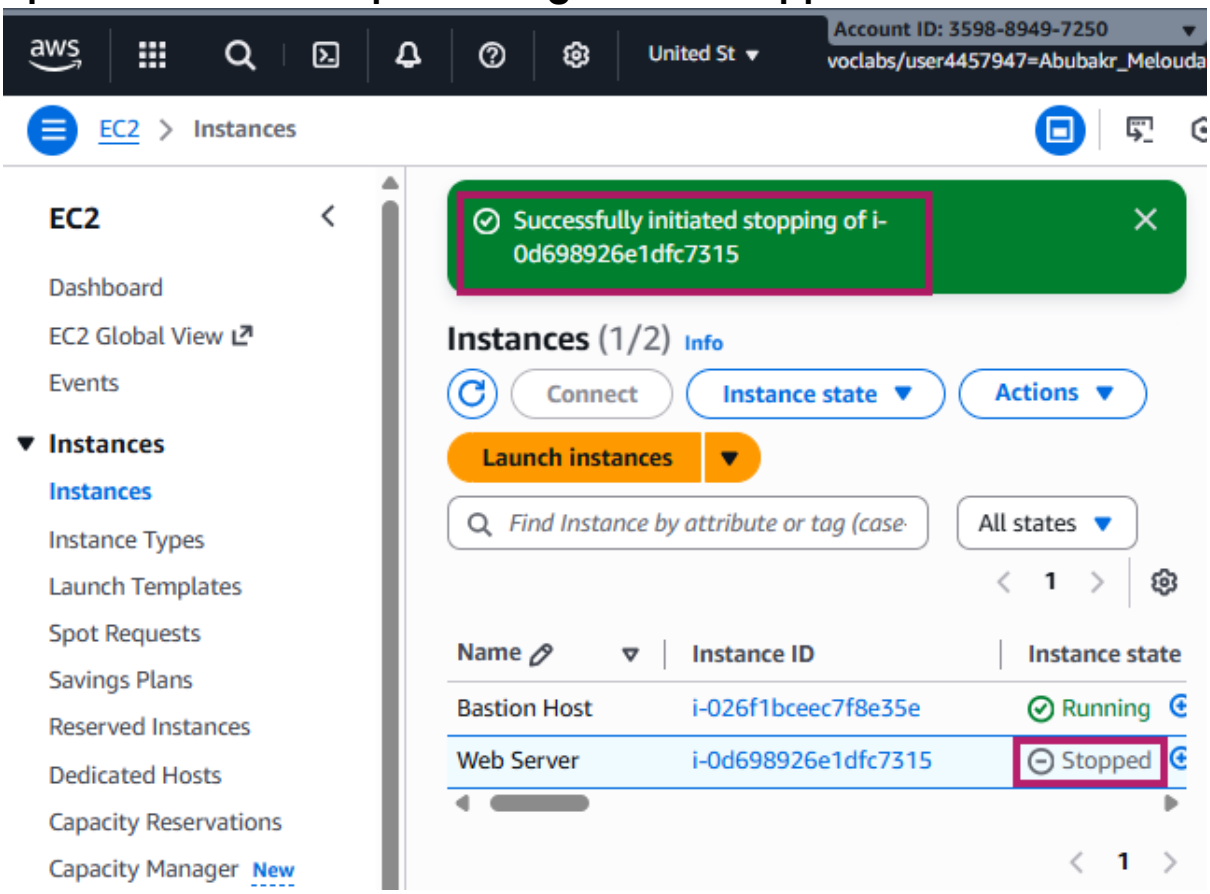


Security group updated to allow HTTP traffic on port 80



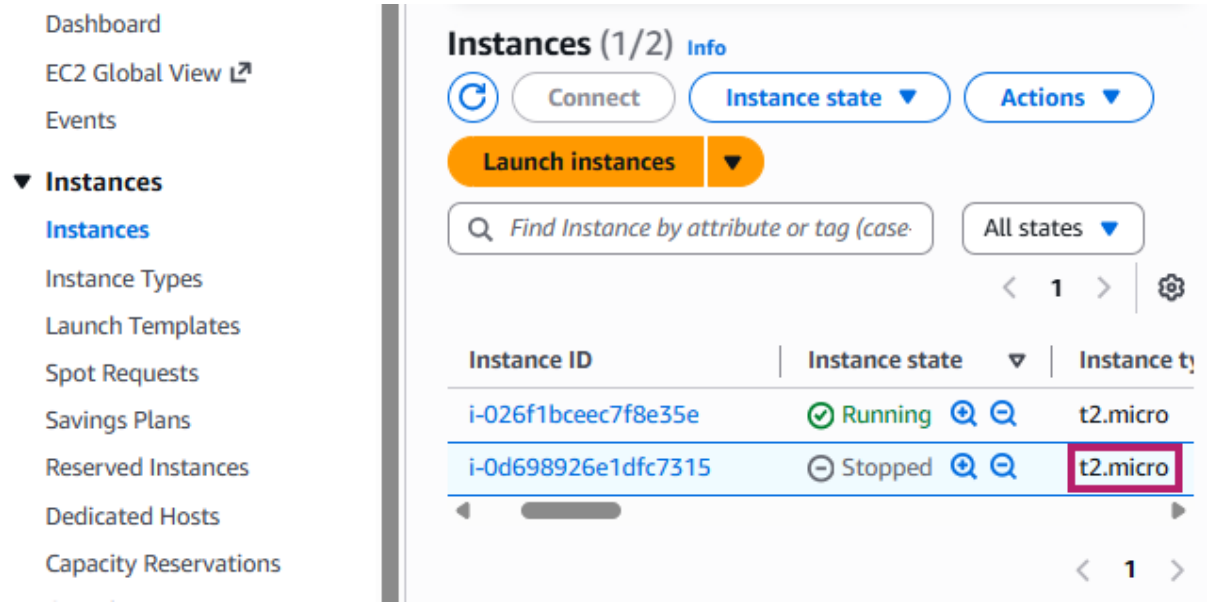
- **Screenshot web server successfully delivering content after security group configuration - demonstrates practical firewall rules application.**

- **Screenshot EC2 instance in stopped state before resizing operations - no compute charges while stopped.**

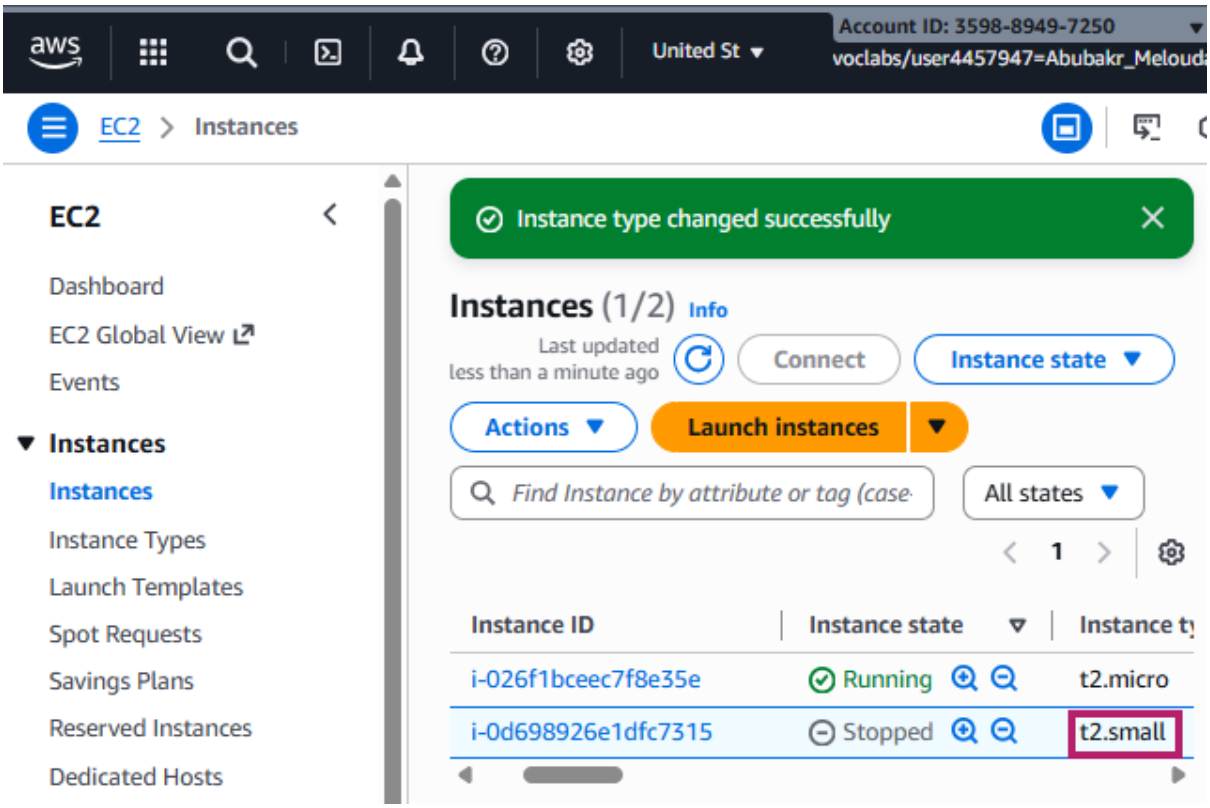


- **Screenshot changing instance type from t2.micro to t2.small for vertical scaling.**

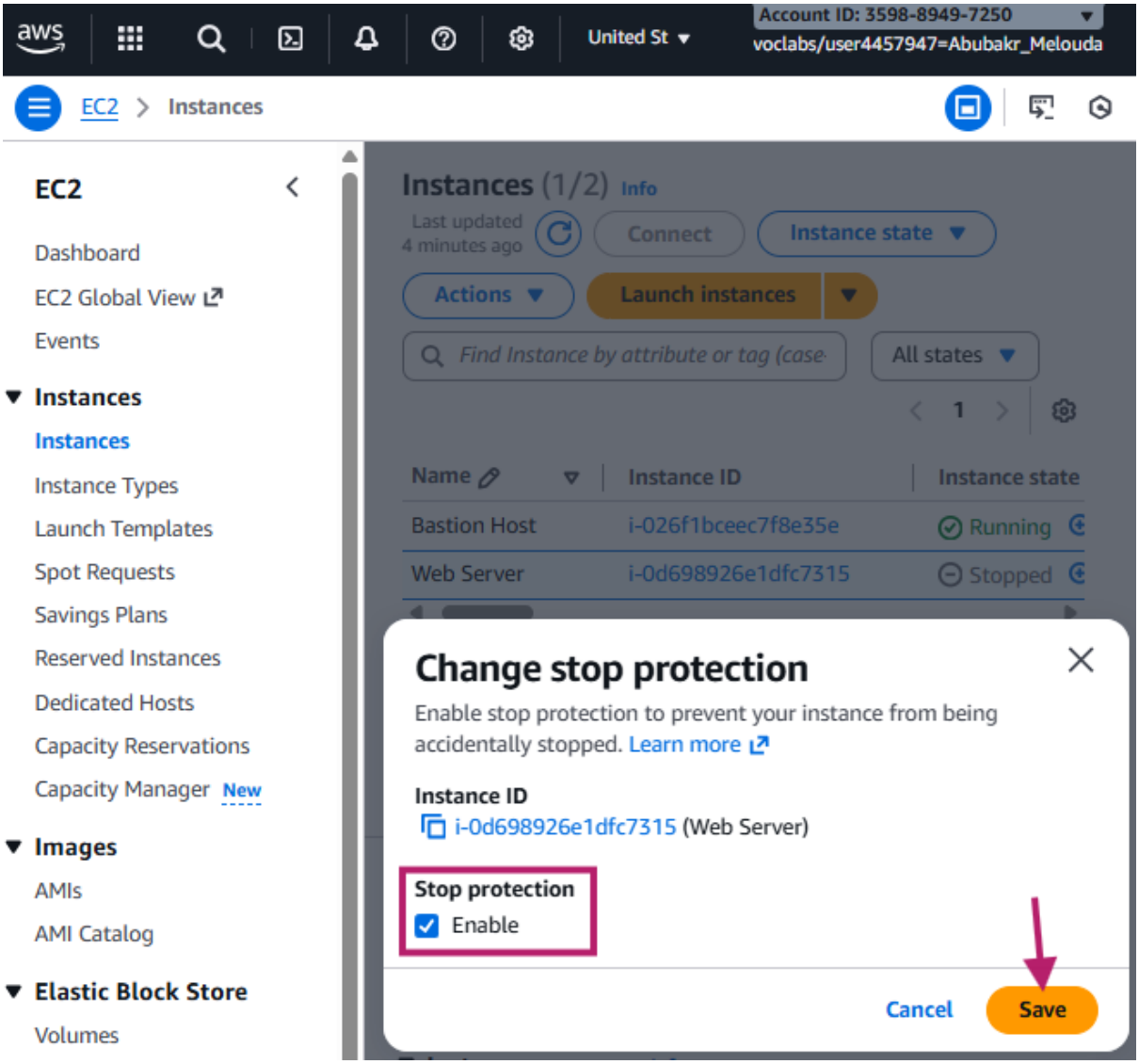
  Before



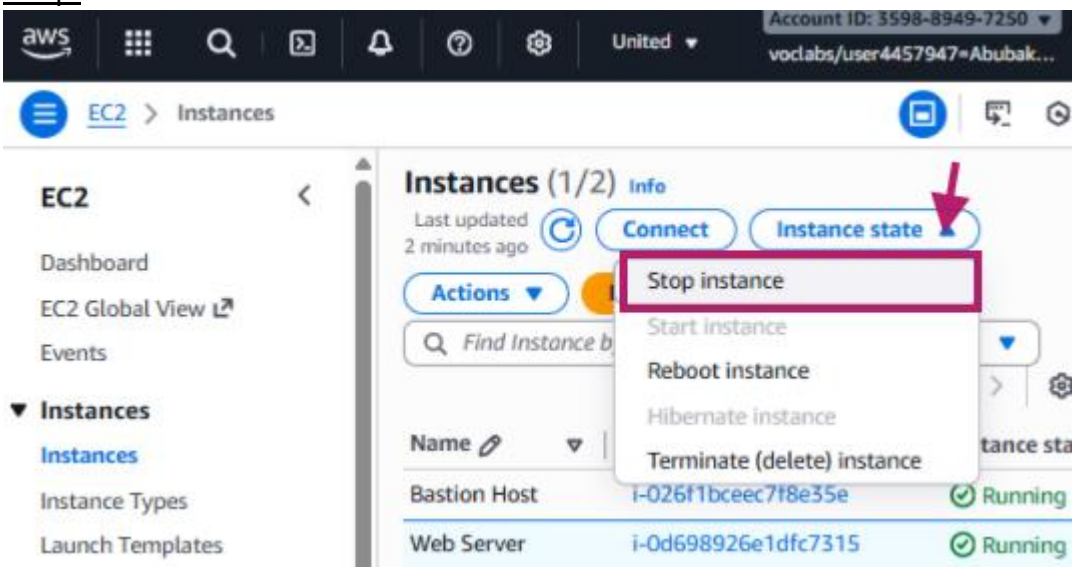
After

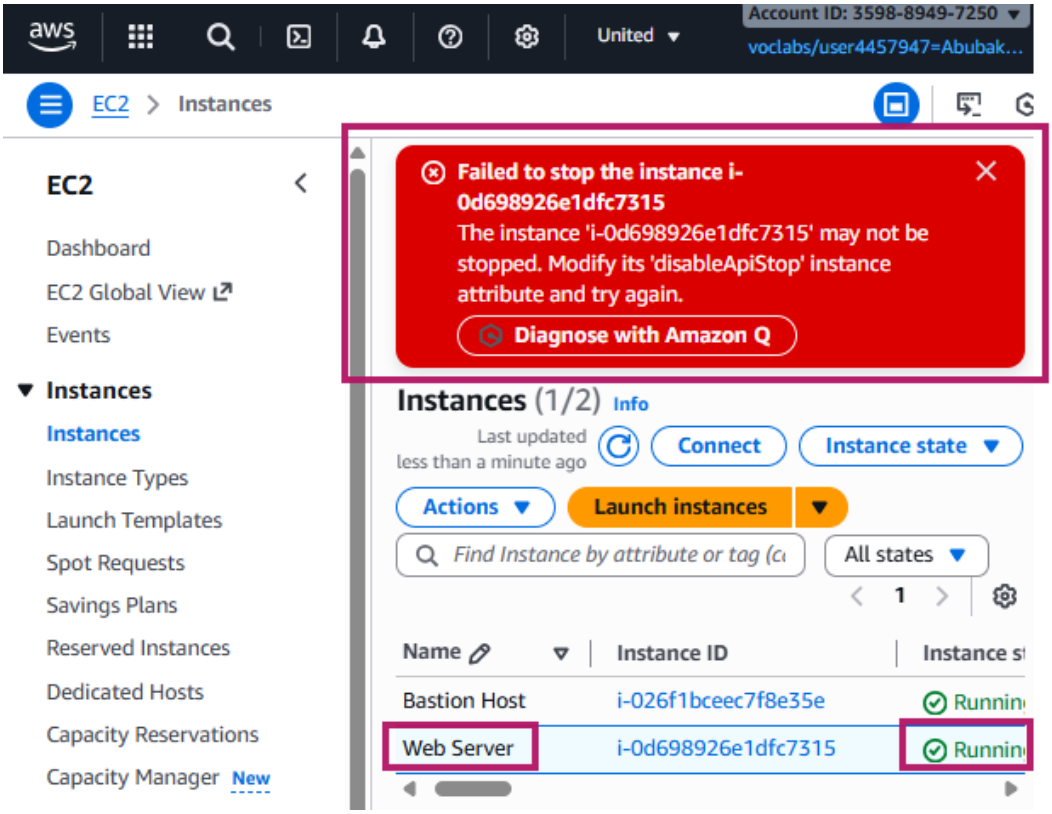


- **Screenshot activating stop protection feature to prevent accidental instance stoppage - demonstrates instance-level safeguards.**

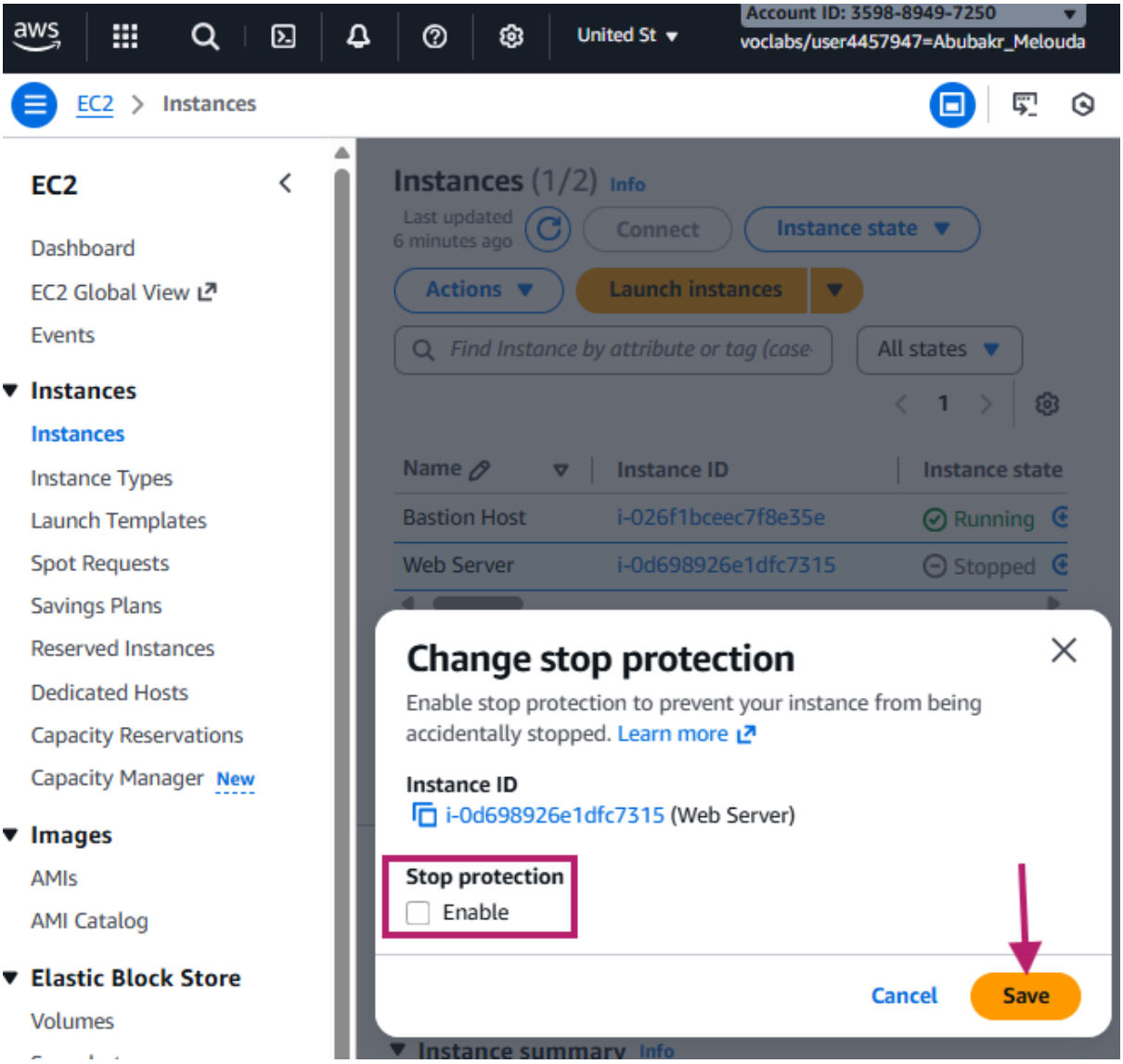


Test result showing instance successfully responding to no stop





- **Screenshot disabling stop protection to allow instance stoppage when needed.**



- **Screenshot increasing EBS root volume from 8 GB to 10 GB for additional storage capacity.**

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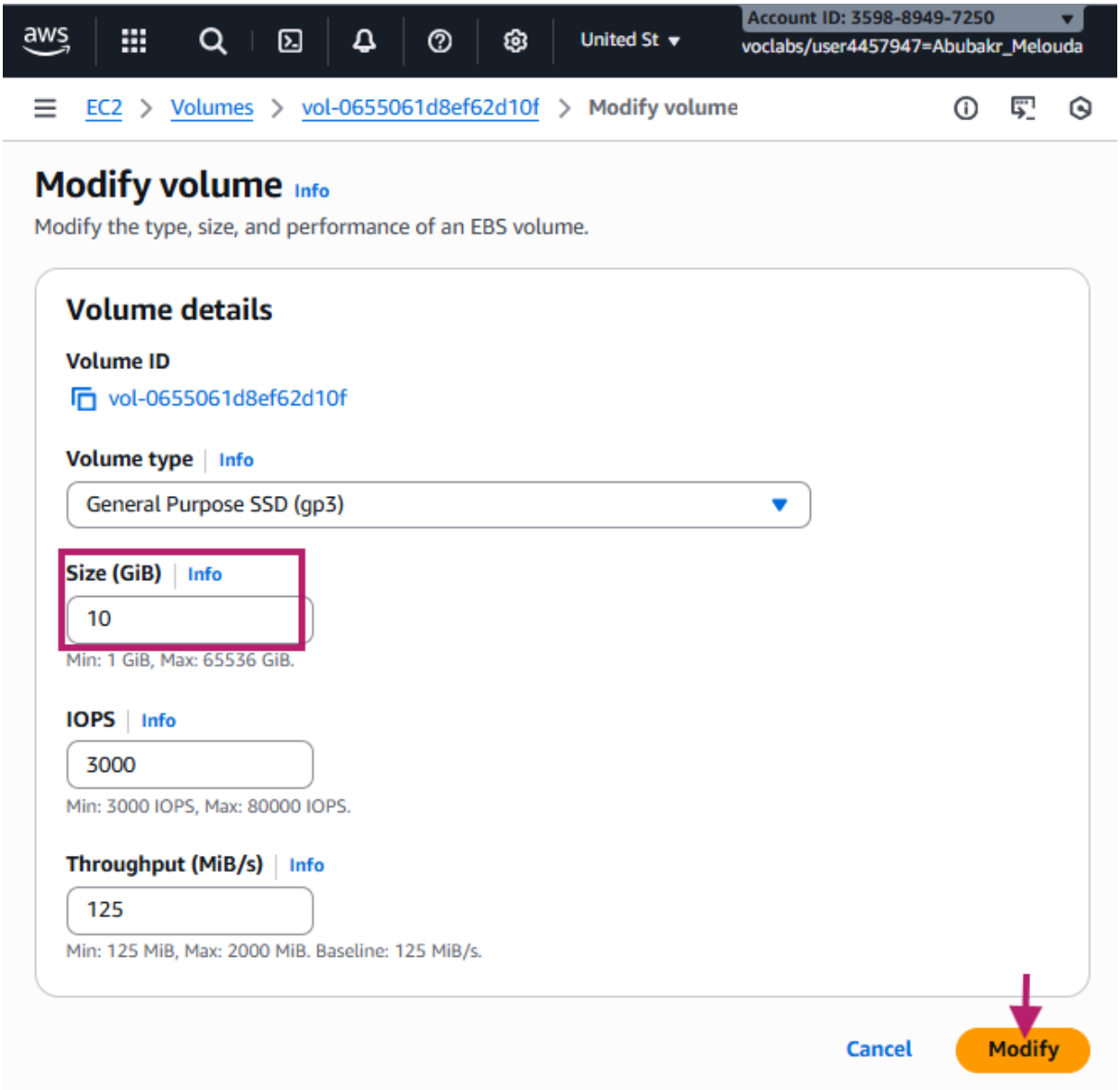
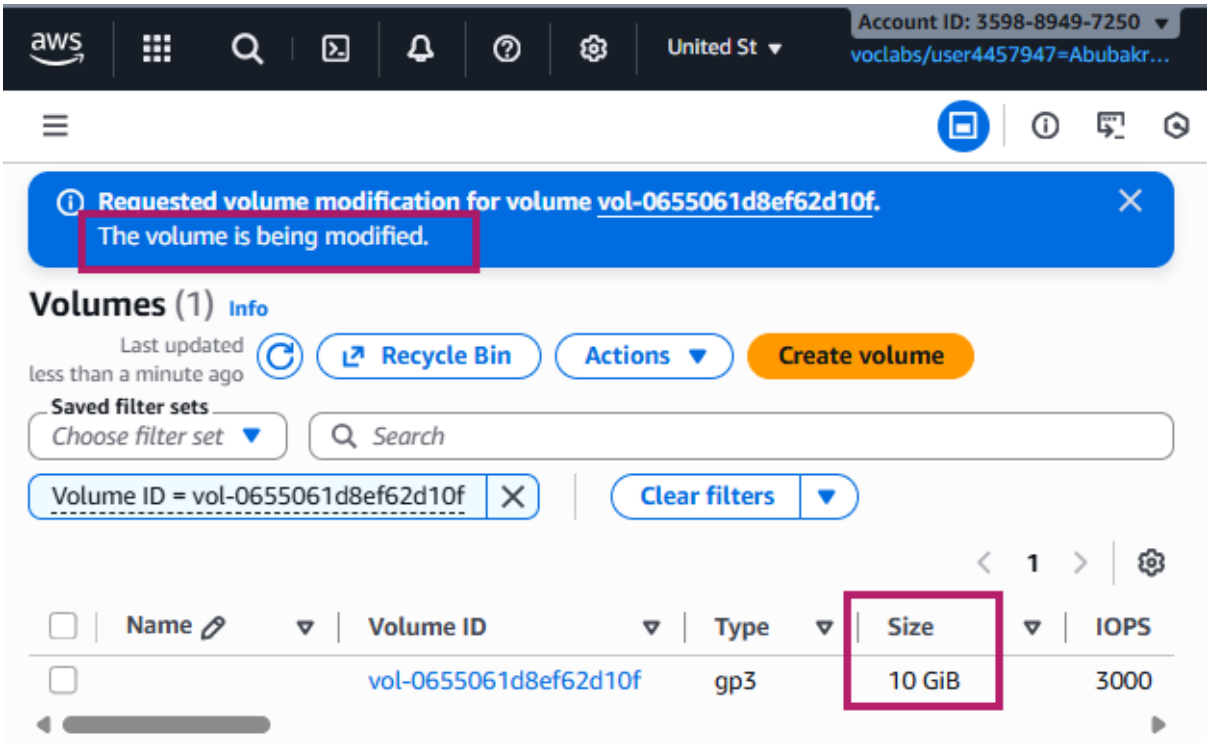
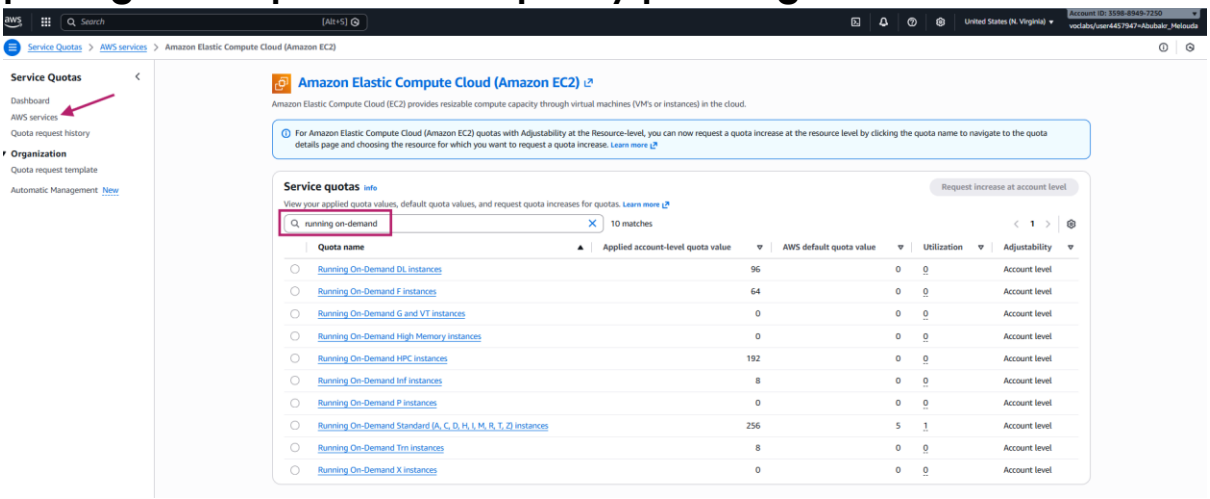




- **Screenshot AWS Service Quotas showing EC2 instance limits per region - important for capacity planning.**



- **Screenshot EC2 instance successfully stopped after all lab tasks completed - demonstrates full lifecycle management.**

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