

Student:	Email:
Sadam Hashi	smhashi@asu.edu

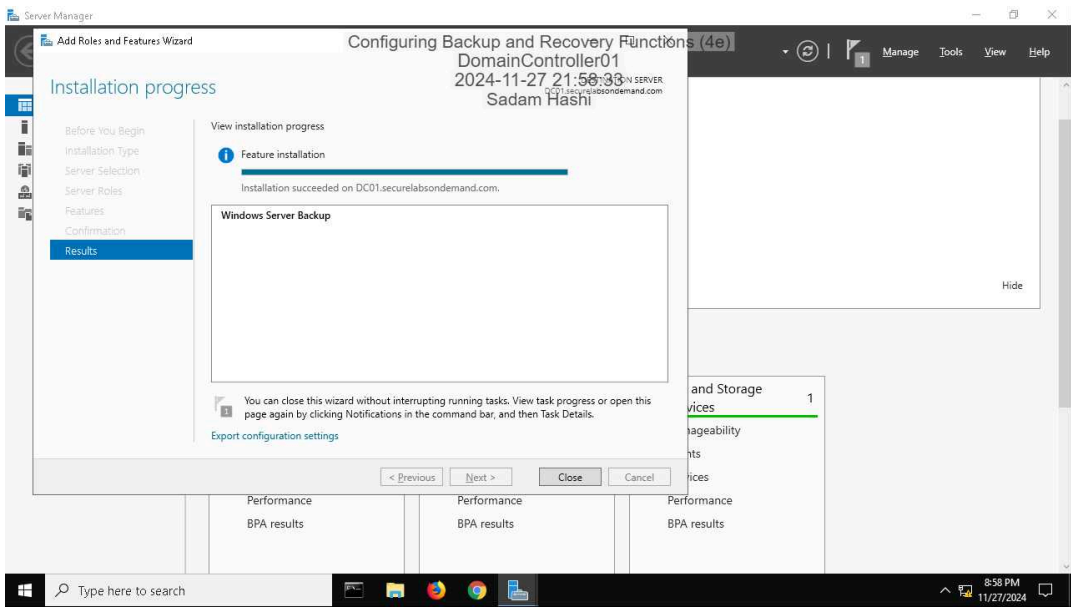
Time on Task:	Progress:
6 hours, 13 minutes	100%

Report Generated: Friday, November 29, 2024 at 12:00 AM

Section 1: Hands-On Demonstration

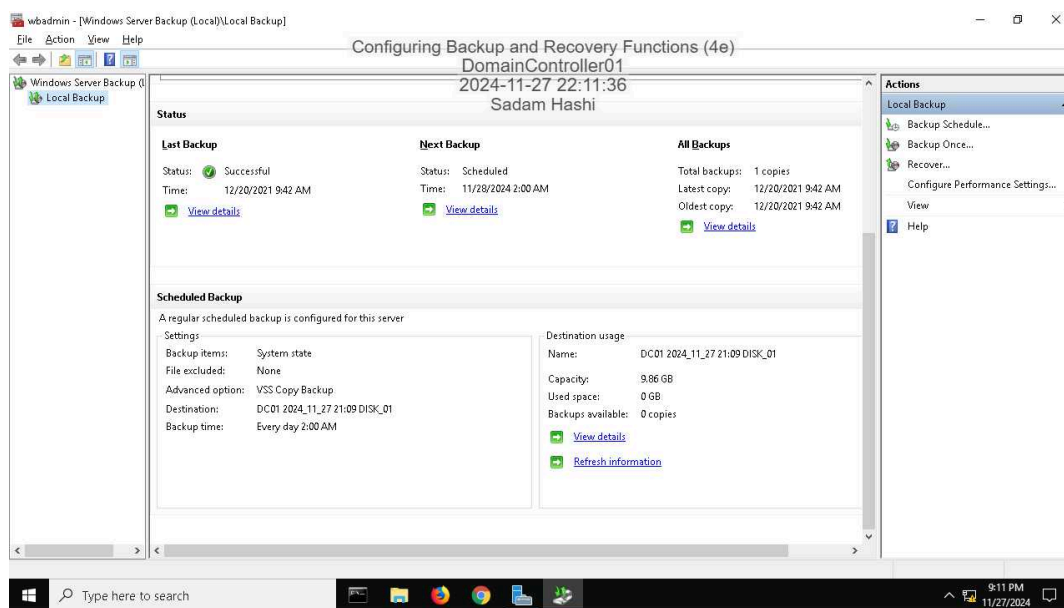
Part 1: Install Windows Server Backup

11. Make a screen capture showing the completed Windows Server Backup feature installation.



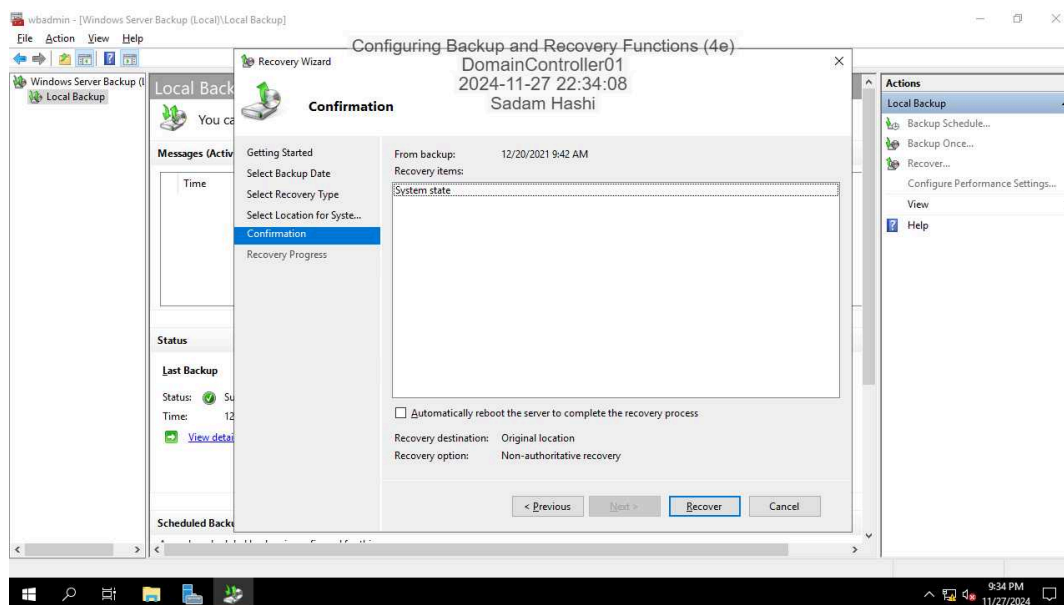
Part 2: Configure a System State Backup

15. Make a screen capture showing the **Scheduled Backup** settings, including the destination and backup time.



Part 3: Restore from a System State Backup

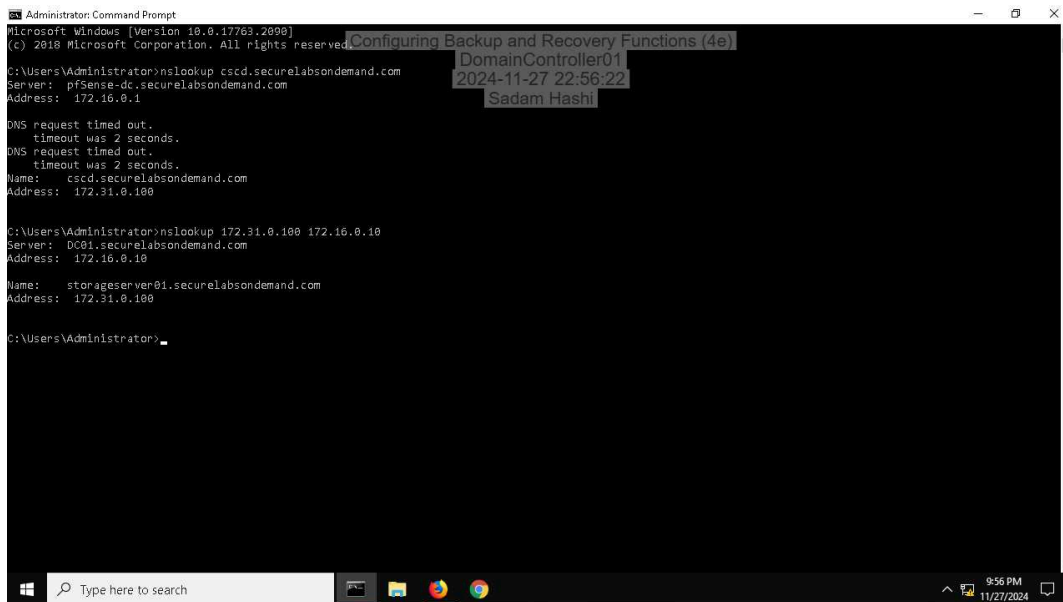
15. Make a screen capture showing the **Recovery Wizard Confirmation** page.



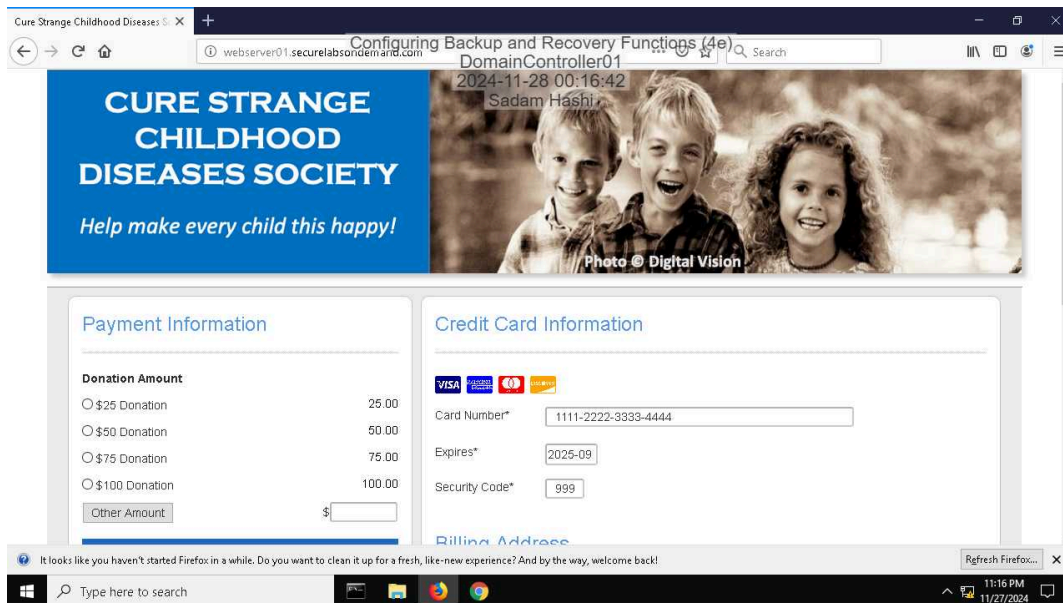
Section 2: Applied Learning

Part 1: Configure an NFS Share

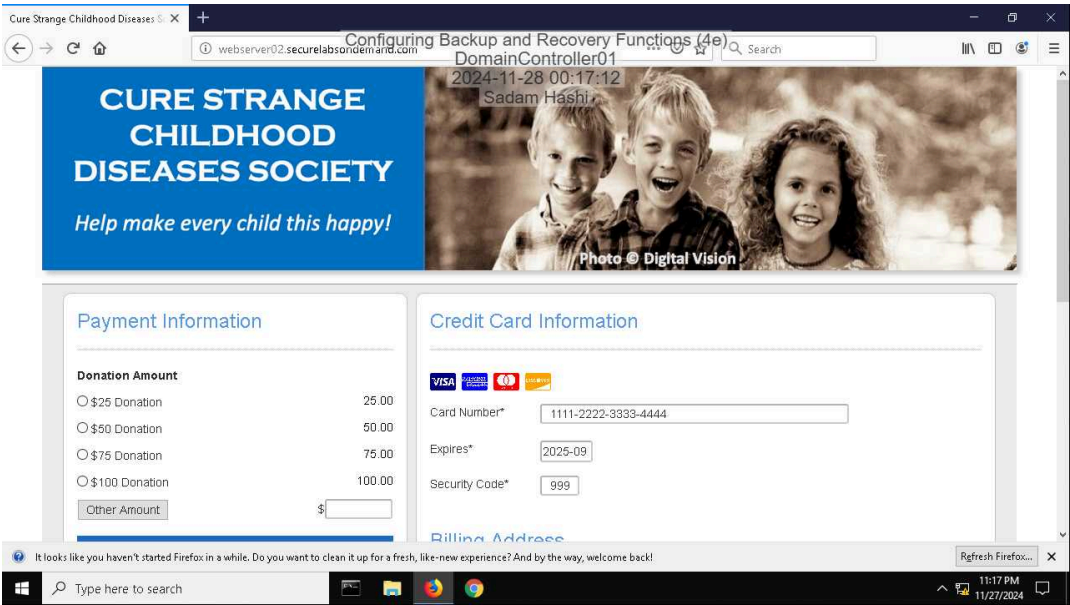
8. Make a screen capture showing the results of the reverse DNS query.



34. Make a screen capture showing the updated webserver01 home page.

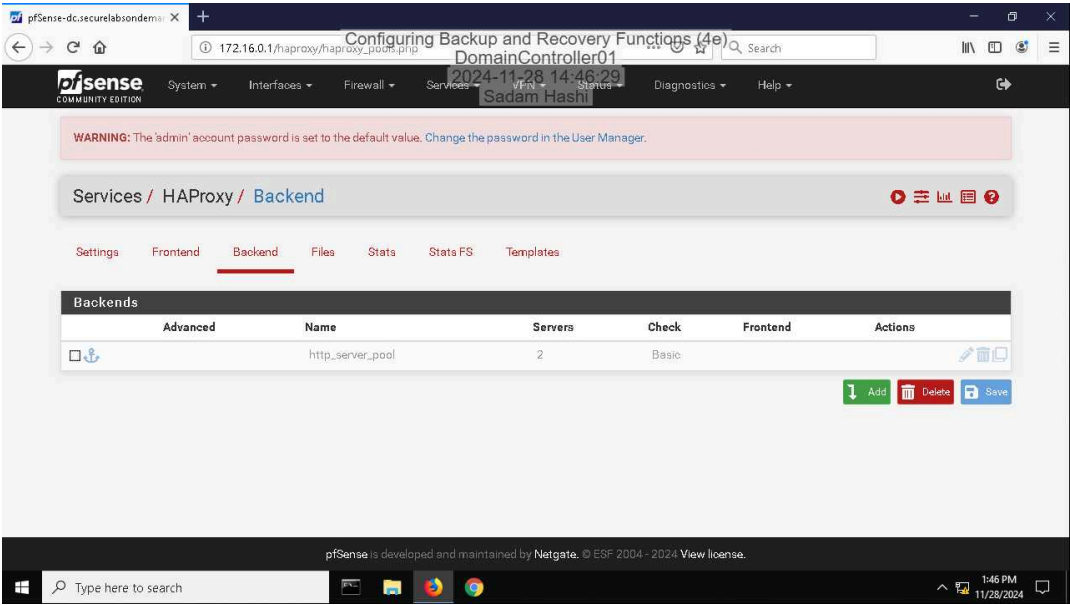


36. Make a screen capture showing the updated webserver02 home page.

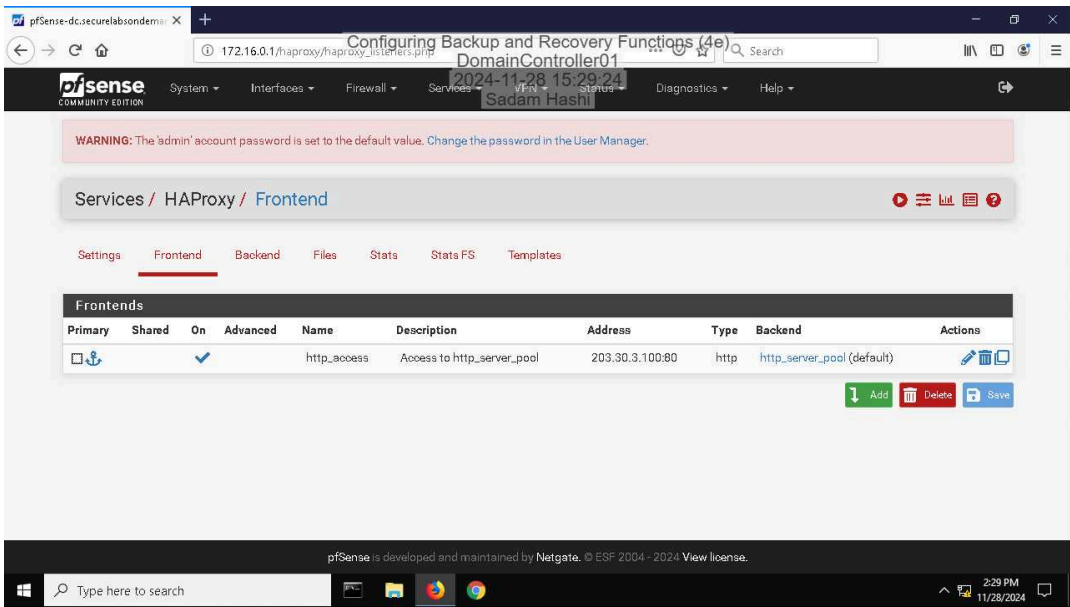


Part 2: Configure Load Balancing

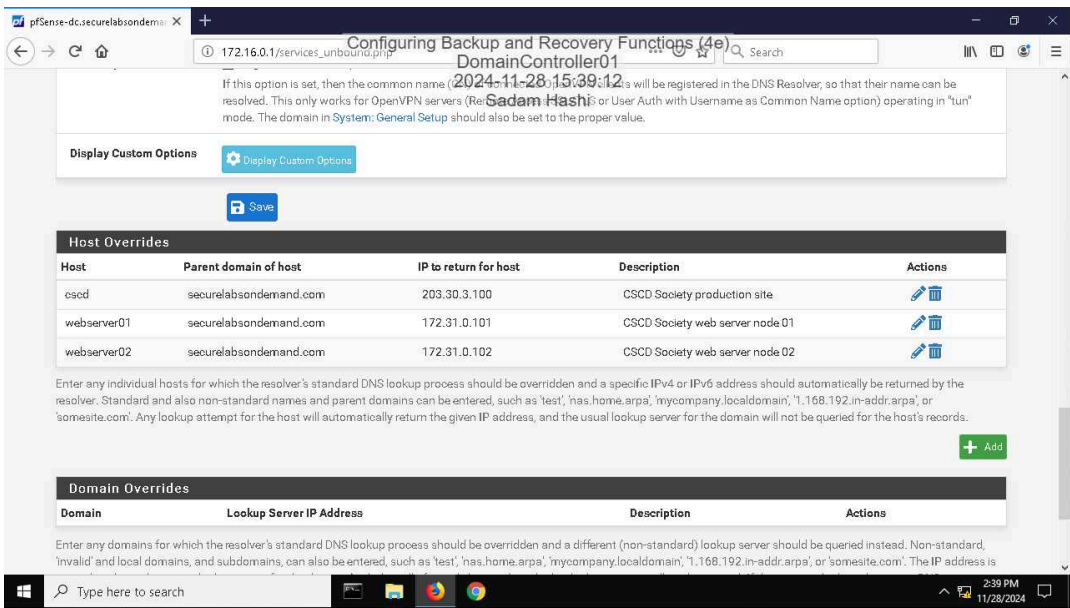
15. Make a screen capture showing the http_server_pool backend.



22. Make a screen capture showing the `http_access` frontend.



35. Make a screen capture showing the new Host Overrides entry for `cscd.securelabsondemand.com`.

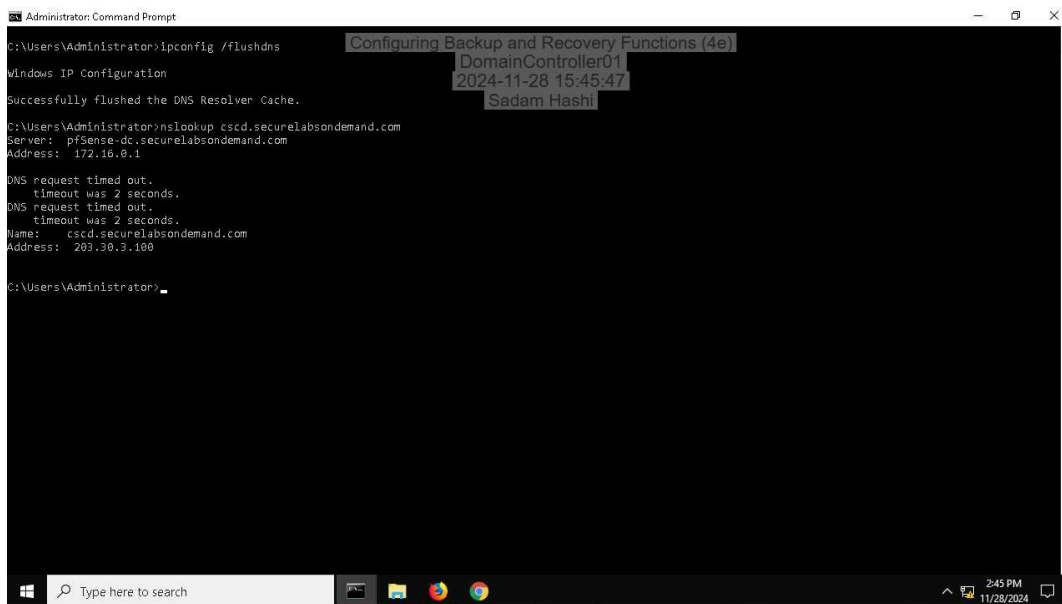


Part 3: Verify Load Balancing

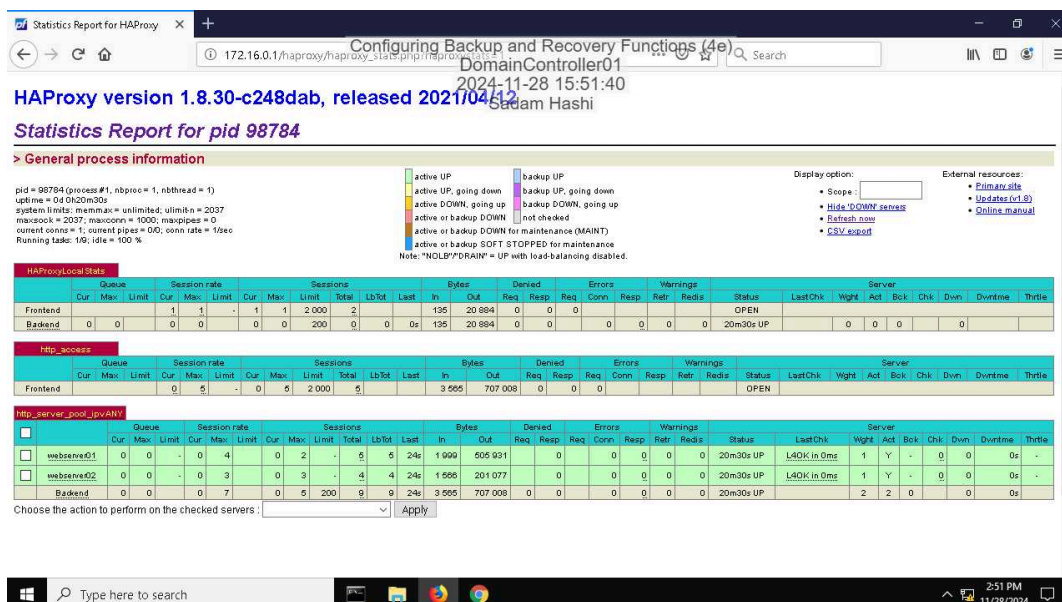
Configuring Backup and Recovery Functions (4e)

Fundamentals of Information Systems Security, Fourth Edition - Lab 09

4. Make a screen capture showing the result of your DNS query for **cscd.securelabsondemand.com**.



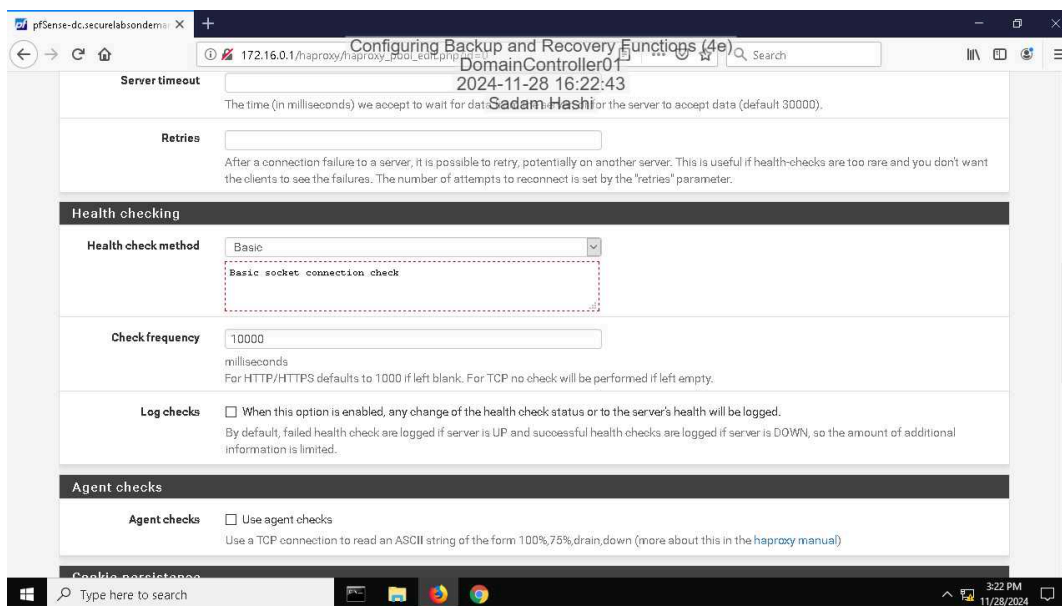
11. Make a screen capture showing the **Statistics Report** with a value of at least 1 in the **Sessions > Total** column of the **http_server_pool_ipvANY** box, for both **webserver01** and **webserver02**.



Section 3: Challenge and Analysis

Part 1: Add Failover Functionality

Make a screen capture showing the updated Check Frequency value in the Health checking module.



Part 2: Validate Failover Functionality

Configuring Backup and Recovery Functions (4e)

Fundamentals of Information Systems Security, Fourth Edition - Lab 09

Make a screen capture showing the **HAProxy Statistics Report** with a host in a **DOWN** state, as well as the **UP** host having more total sessions (**http_server_pool_ipvANY**, Sessions > Total) than the **DOWN** host.

Statistics Report for HAProxy

172.16.0.1/haproxy/haproxy_stats.php?pid=29049

DomainController01

2024-11-28 16:31:38

Sadam Hashi

HAProxy version 1.8.30-c248dab, released 2021/04/12

Statistics Report for pid 29049

> General process information

pid = 29048 (process #1, nbproc = 1, nbthread = 1)
uptime = 0d 0h 07m 37s
system limits: memmax = unlimited, ulimit_n = 2037
maxsock = 2037, maxconn = 1000, maxpipes = 0
current conn = 1, current pipes = 0/0, conn rate = 1/sec
Running tasks: 1/0, idle = 100 %

active UP
active UP, going down
active DOWN, going up
active or backup DOWN
active or backup SOFT STOPPED for maintenance

backup UP
backup UP, going down
backup DOWN, going up
not checked
active or backup DOWN for maintenance

Note: "NOLEAF DRAIN" = UP with load-balancing disabled.

Display options:
• Scope:
• Hide "DOWN" servers
• Refresh now
• CSV export

External resources:
• Primary site
• Updates (v1.8)
• Online manual

HAProxy Local Stats

	Queue			Session rate			Sessions				Bytes		Denied		Errors		Warnings		Status	Server											
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	Last	In	Out	Req	Resp	Req	Conn		Resp	Retr	Redis	LastChk	Wght	Act	Bck	Chk	Dvsn	Dvntime	Thrtle	
Frontend	0	0	0	1	1	1	1	1	1	2000	0	0	945	147	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Backend	0	0	0	0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Http_access

	Queue			Session rate			Sessions				Bytes		Denied		Errors		Warnings		Status	Server										
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	Last	In	Out	Req	Resp	Req	Conn		Resp	Retr	Redis	LastChk	Wght	Act	Bck	Chk	Dvsn	Dvntime	Thrtle
Frontend	0	0	0	0	0	0	0	0	0	2	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

http_server_pool_ipvANY

	Queue			Session rate			Sessions				Bytes		Denied		Errors		Warnings		Status	Server										
	Cur	Max	Limit	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	Last	In	Out	Req	Resp	Req	Conn		Resp	Retr	Redis	LastChk	Wght	Act	Bck	Chk	Dvsn	Dvntime	Thrtle
<input type="checkbox"/> webserver01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<input type="checkbox"/> webserver02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Backend	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Choose the action to perform on the checked servers: Apply