

Student:	Email:
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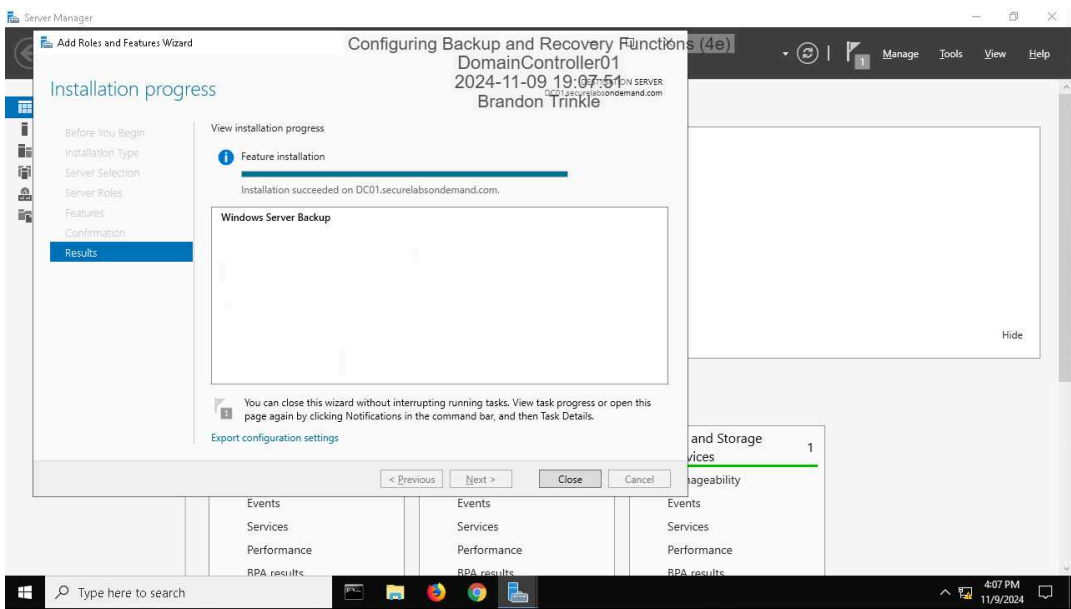
Time on Task:	Progress:
1 hour, 20 minutes	100%

Report Generated: Saturday, November 9, 2024 at 8:24 PM

## Section 1: Hands-On Demonstration

### Part 1: Install Windows Server Backup

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

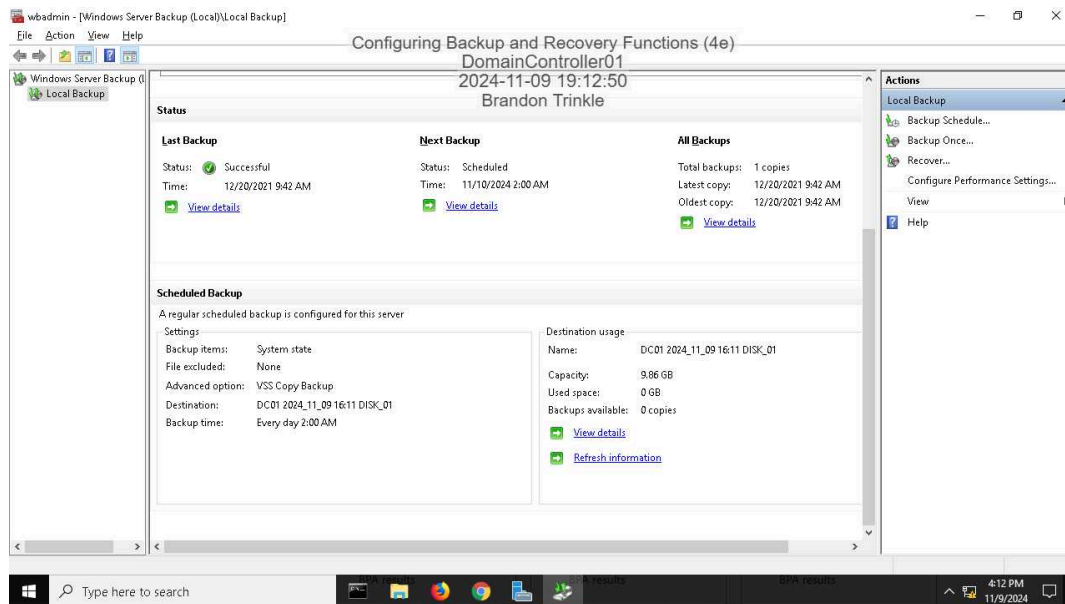


### Part 2: Configure a System State Backup

# Configuring Backup and Recovery Functions (4e)

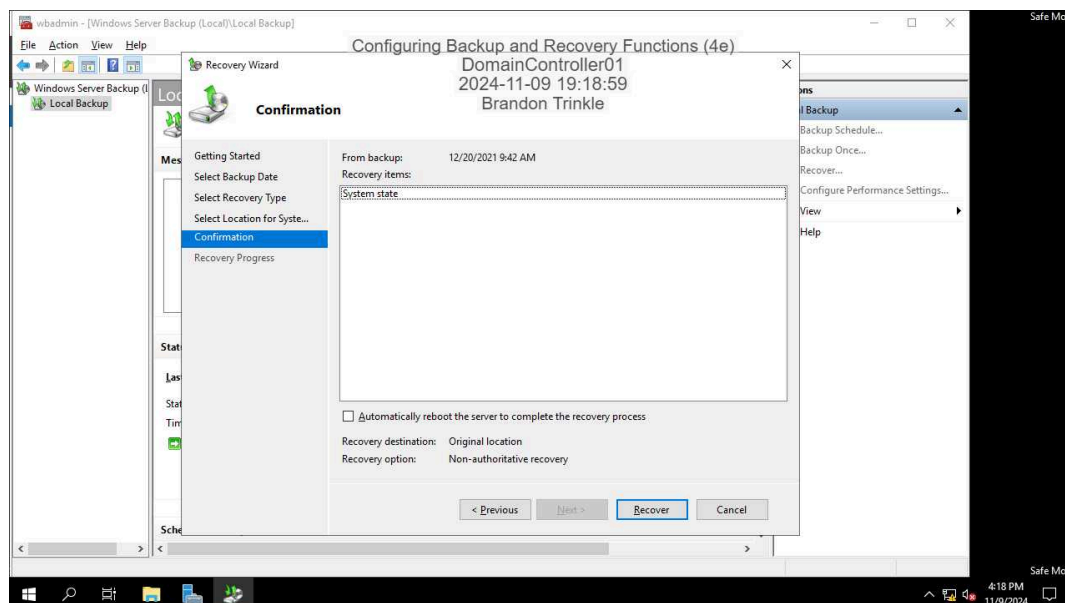
## Fundamentals of Information Systems Security, Fourth Edition - Lab 09

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



## Part 3: Restore from a System State Backup

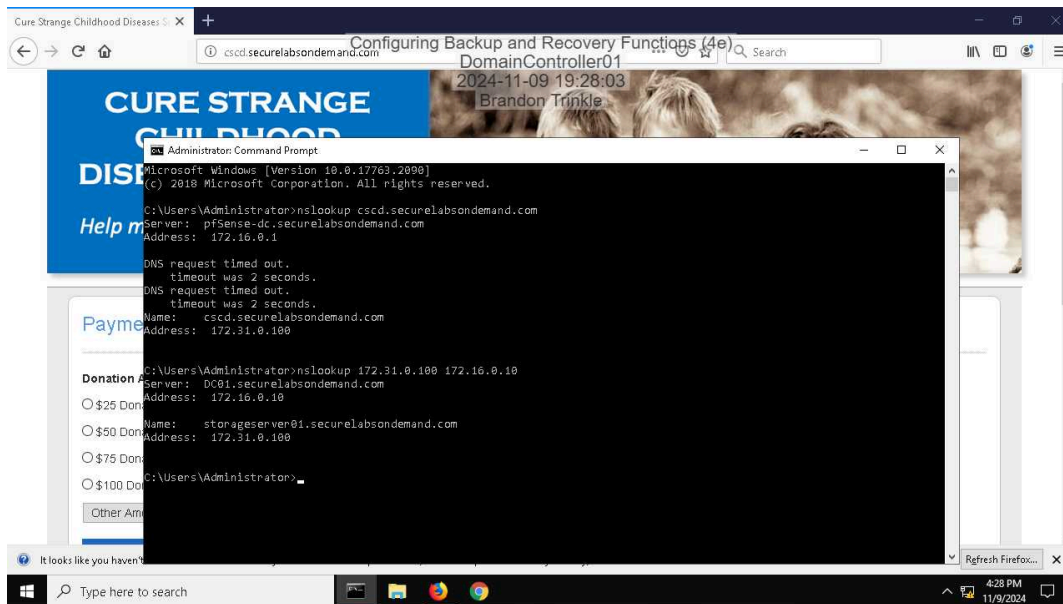
15. Make a screen capture showing the **Recovery Wizard Confirmation** page.



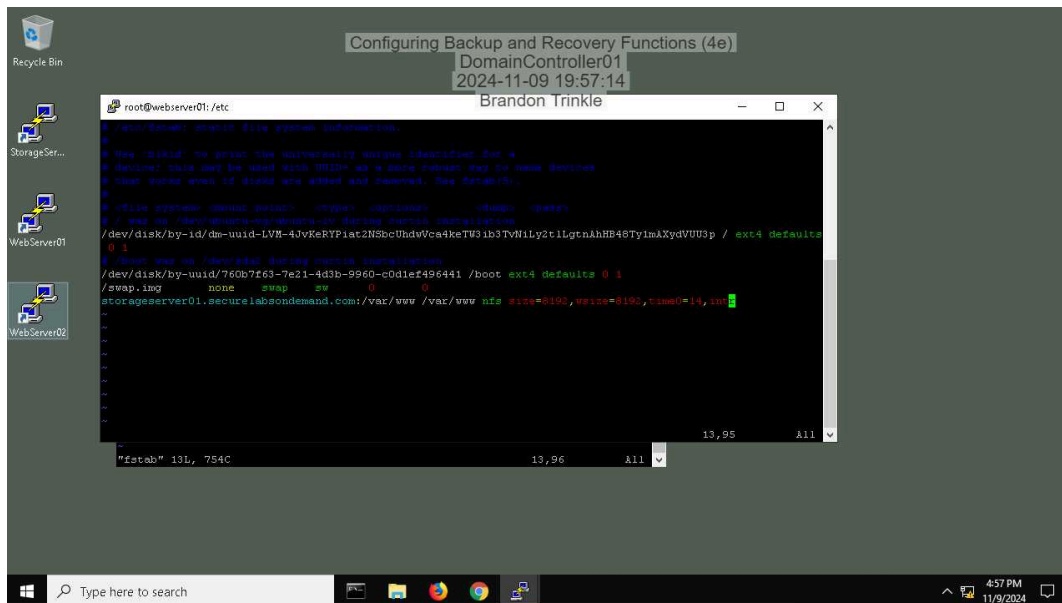
## Section 2: Applied Learning

### Part 1: Configure an NFS Share

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



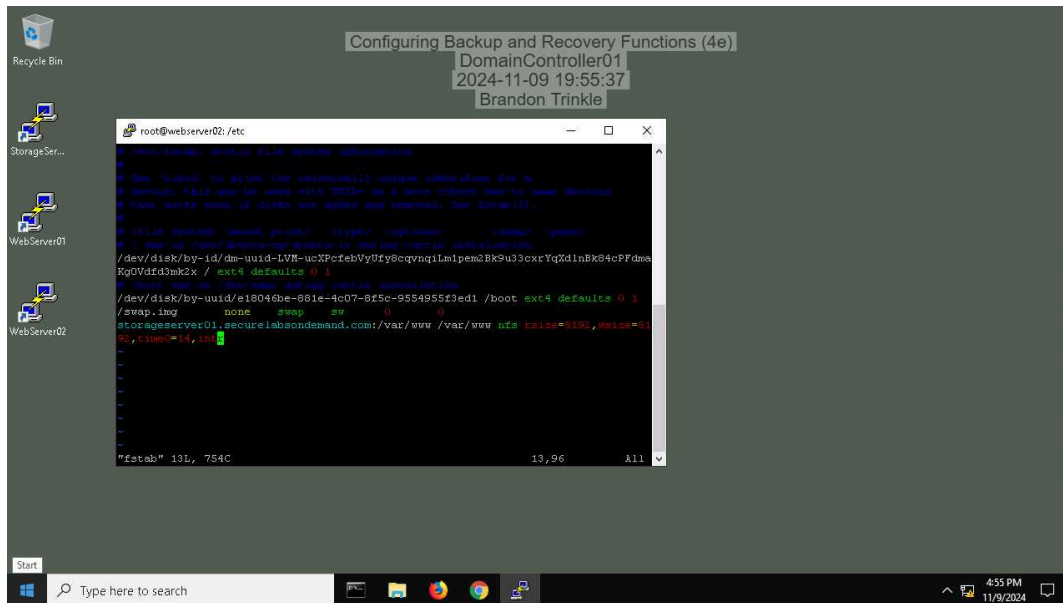
34. Make a screen capture showing the updated webserver01 home page.



## Configuring Backup and Recovery Functions (4e)

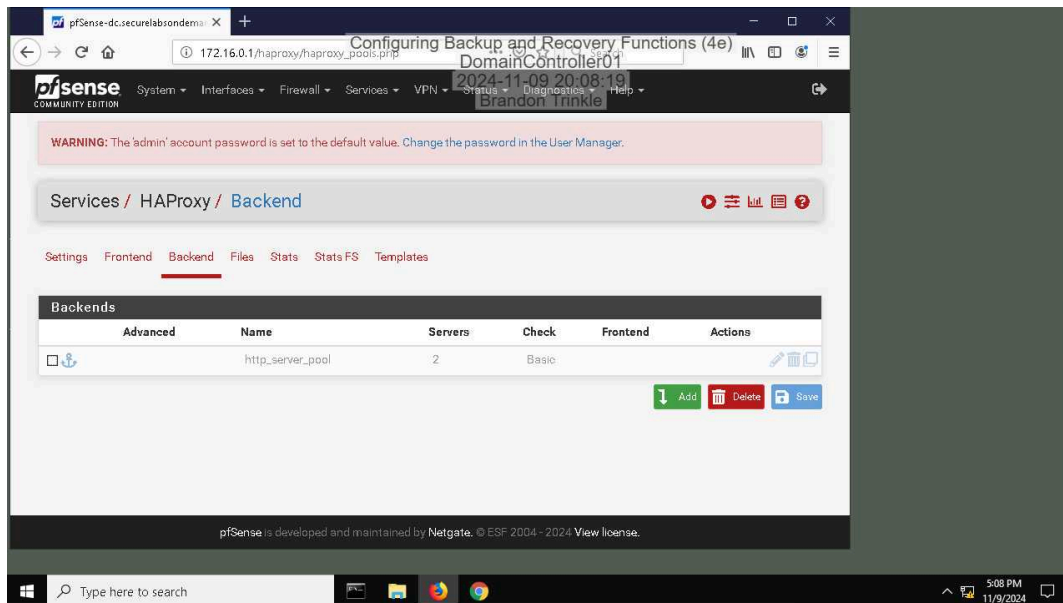
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36. Make a screen capture showing the **updated webserver02** home page.

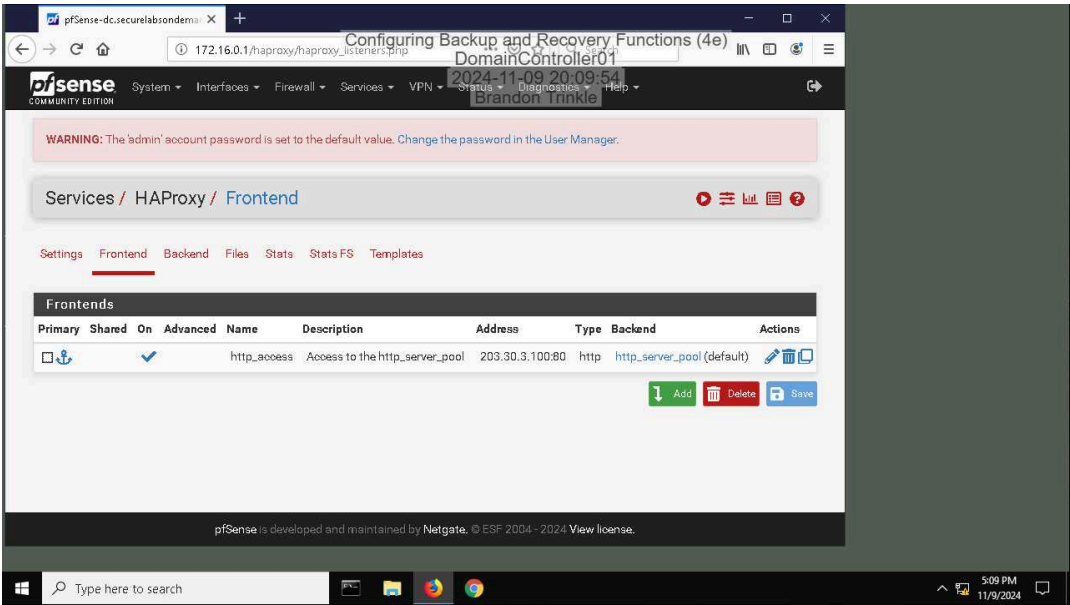


## Part 2: Configure Load Balancing

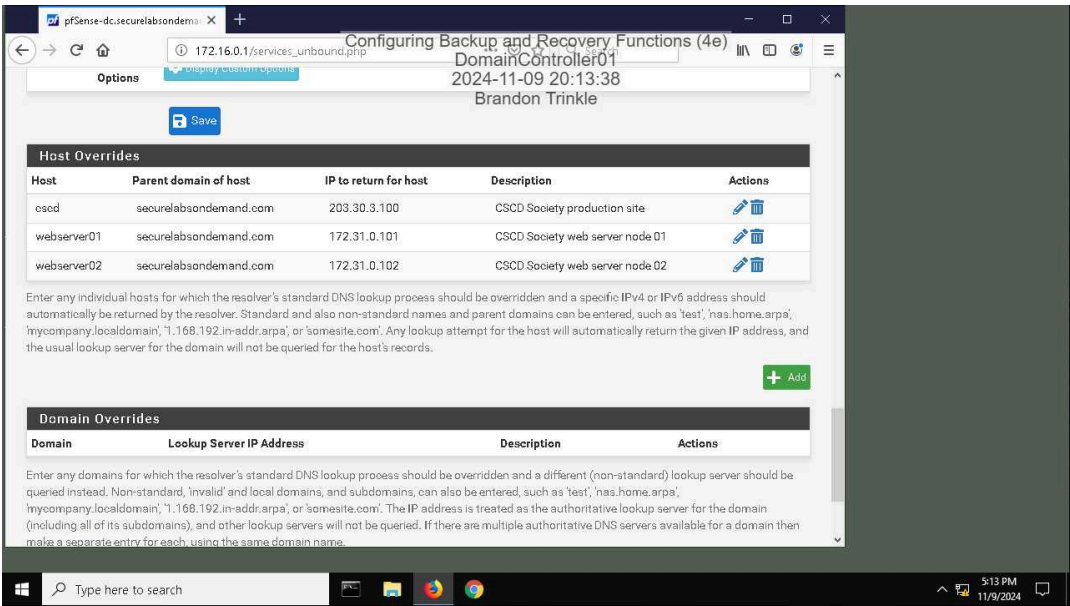
15. Make a screen capture showing the **http\_server\_pool** backend.



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`.

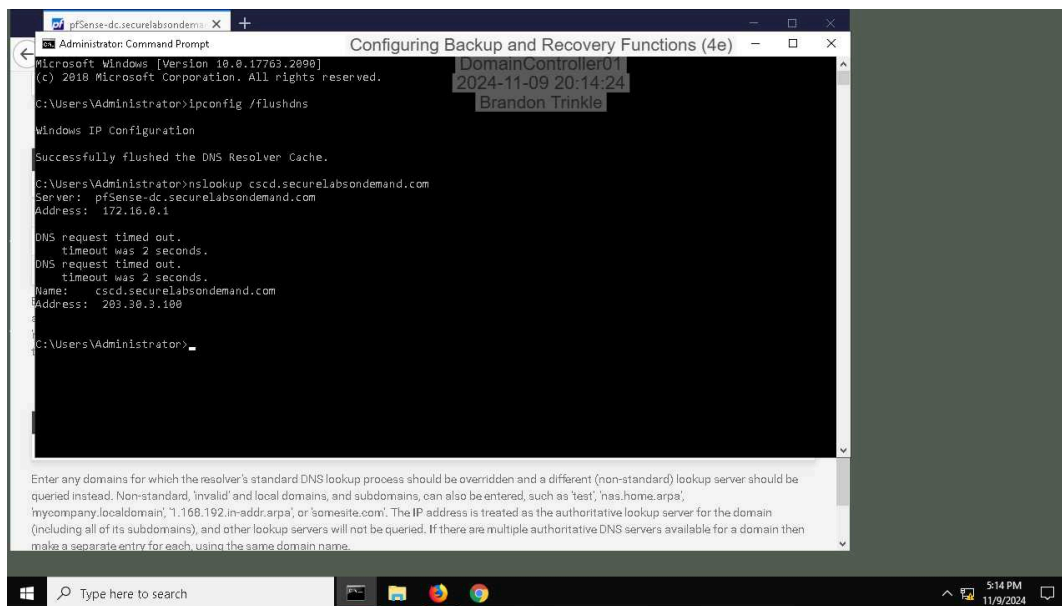


Part 3: Verify Load Balancing

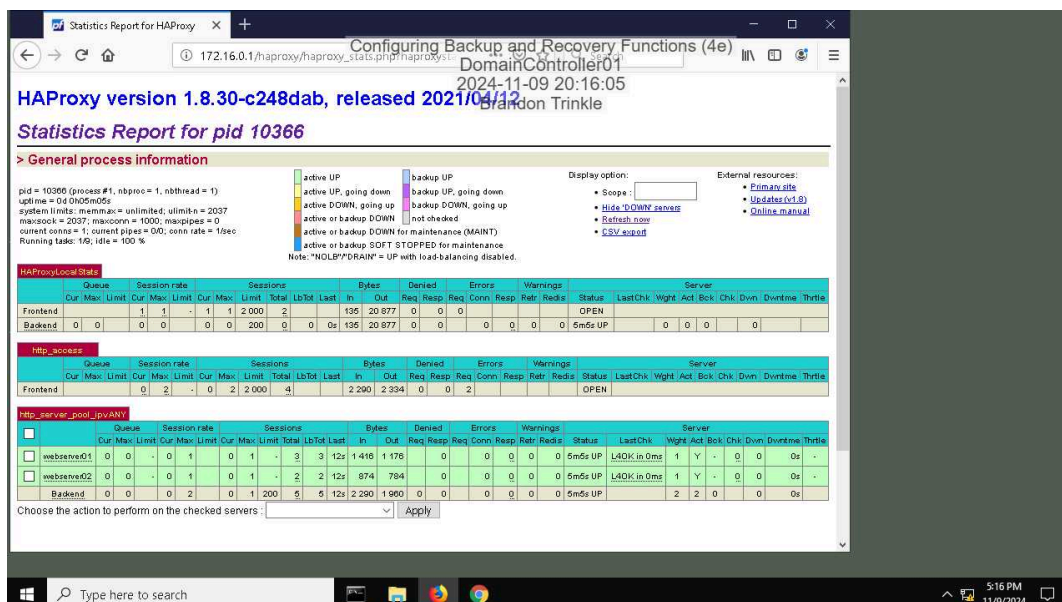
# Configuring Backup and Recovery Functions (4e)

## 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**.



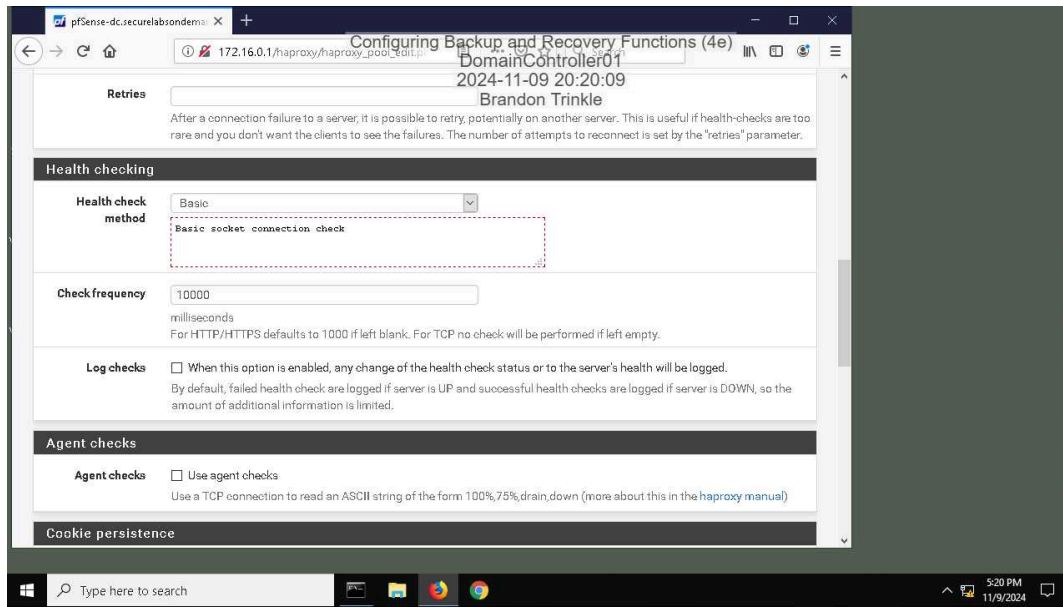
11. Make a screen capture showing the **Statistics Report** with a value of at least 1 in the **Sessions > Total** column of the **http\_server\_pool\_ipvANY** box, for both **webserver01** and **webserver02**.



## 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)

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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?haproxy=1

Configuring Backup and Recovery Functions (4e)

DomainController01

2024-11-09 20:22:06

Brandon Trinkle

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

**Statistics Report for pid 51213**

> General process information

pid = 51213 (process #1, nbproc = 1, nbthread = 1)  
uptime = 0d 0h02m10s  
system limits: memmax = unlimited; ulimits = 2037  
maxsock = 2037; maxconn = 1000; maxpipes = 0  
current conns = 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 DOWN for maintenance (MAINT)  
active or backup SOFT STOPPED for maintenance

backup UP  
backup UP, going down  
backup DOWN, going up  
not checked

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

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

**HAProxyLocalStats**

Queue	Session rate			Sessions			Bytes			Denied			Errors			Warnings			Status	Server							
	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	Last	In	Out	Req	Resp	Req	Conn	Resp	Refr	Redis		LastChk	Wght	Act	Bck	Chk	Down	Dvntime	Throttle
Frontend	1	1	-	1	1	2 000	6			675	105 753	0	0	0	0	0	0	0	0								
Backend	0	0	0	0	0	0	200	0	0	675	105 753	0	0	0	0	0	0	0	0						2m10s	UP	

**Http\_access**

Queue	Session rate			Sessions			Bytes			Denied			Errors			Warnings			Status	Server							
	Cur	Max	Limit	Cur	Max	Limit	Total	LbTot	Last	In	Out	Req	Resp	Req	Conn	Resp	Refr	Redis		LastChk	Wght	Act	Bck	Chk	Down	Dvntime	Throttle
Frontend	0	2	-	0	2	2 000	4			6 512	5 962	0	0	2					0								
Backend	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	Total	LbTot	Last	In	Out	Req	Resp	Req	Conn	Resp	Refr	Redis		LastChk	Wght	Act	Bck	Chk	Down	Dvntime	Throttle	
webserve01	0	0	-	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	1m	DOWN	L4CON in 0ms	1	Y	-	3	1	1m	-
webserve02	0	0	-	0	2	0	1	-	14	14	42s	6 512	5 488	0	0	0	0	0	2m10s	UP	L4OK in 0ms	1	Y	-	0	0	0s	-
Backend	0	0	0	0	2	0	1	200	14	14	42s	6 512	5 488	0	0	0	0	0	2m10s	UP		1	1	0	0	0s		

Choose the action to perform on the checked servers:  Apply