

Name: _____

Date: _____

Score: _____

Best VPN for Business

Business VPN security, scalability, and central administration hands-on review.

BEST VPN FOR BUSINESS LEARNING OVERVIEW

LEARNER

STUDENT STATUS

Network Defender Track

SECURE

CONNECTION STATUS

Shielding data packets

100%

LEAK DEFENSE

DNS & IPv6 leak protection

Welcome! This activity packet guides you through Business VPN and remote access networks. You will explore Zero Trust architectures, IPsec site-to-site tunnels, SASE frameworks, multi-factor logins, and endpoint security checks.

WORKSHEET CHECKPOINTS

- ☐ **Part 1-4:** Master VPN and network security configurations.
- ☐ **Part 5-7:** Solve crossword & word search puzzles.
- ☐ **Part 8-9:** Solve case studies & cipher challenge.
- ☐ **Part 10:** Review basic & advanced FAQ pages.
- ☐ **Part 11:** Explore 10 interesting real-world facts.

Open the VPN.com Best VPNs Guide

URL: <https://www.vpn.com/vpn/best-vpn-for-business/>

Your Business VPN Learning Roadmap

- Identify top Business VPN providers and their team-specific features.
- Analyze differences between consumer VPN privacy and business administrative controls.
- Differentiate between Remote Access VPNs and Site-to-Site corporate tunnels.

BUSINESS VPN GUIDE INSTRUCTIONS

Answer the multiple choice and true/false questions, complete the fill-in-the-blank sentences using the word bank, match definitions, and solve the crossword and word search puzzles. Apply your knowledge to enterprise remote access setups.

ENTERPRISE REMOTE ACCESS & SECURE EDGE (INTRODUCTION)

Securing corporate remote access requires moving from traditional perimeter-based VPN models to Zero Trust architectures. Enforcing strong multi-factor authentication (MFA) and Secure Access Service Edge (SASE) frameworks protects sensitive assets from compromised endpoints.

READ EACH CHECKPOINT CAREFULLY AND SELECT OR WRITE THE CORRECT RESPONSE.

Checkpoint 1: Multiple Choice Challenge

1 Which type of business VPN connects entire office networks to each other?

- ☐ A. Site-to-Site VPN
- ☐ B. Remote Access VPN
- ☐ C. Consumer VPN
- ☐ D. Smart DNS

2 Which pick is highlighted as the best overall for business teams?

- ☐ A. NordLayer
- ☐ B. Surfshark
- ☐ C. Proton VPN
- ☐ D. Private Internet Access

3 What does a dedicated static IP address prevent for business teams?

- ☐ A. IP address blacklisting
- ☐ B. Router speed drops
- ☐ C. Data compression
- ☐ D. Client updates

4 Which provider is highlighted as best for dedicated infrastructure?

- ☐ A. Proton VPN
- ☐ B. NordLayer
- ☐ C. Surfshark
- ☐ D. Private Internet Access

5 What feature provides a centralized admin dashboard for managing users?

- ☐ A. Admin controls
- ☐ B. Port forwarding
- ☐ C. Router emulation
- ☐ D. Split tunneling

Checkpoint 2: True or False Challenge

6 Question 6

Remote Access VPNs allow individual employees to connect from anywhere.

☐

True

☐

False

7 Question 7

Consumer VPNs protect an entire organization under one admin panel.

☐

True

☐

False

8 Question 8

Dedicated IP addresses keep company traffic separate from public traffic.

☐

True

☐

False

9 Question 9

Private Internet Access is highlighted as best for large enterprises.

☐

True

☐

False

10 Question 10

SASE integrates WAN routing with cloud-delivered security frameworks.

☐

True

☐

False

Checkpoint 3: Key Term Insertion

Read each sentence below and fill in the blank with the correct term from the Word Bank.

1. The top-ranked overall provider for business teams is _____.
2. Interconnecting multiple corporate branch offices uses _____.
3. To prevent address blacklisting, teams deploy a _____.
4. Administrators manage device permissions using a central _____.
5. Adding seats dynamically to support growing teams is _____.
6. Meeting regulatory and data audit standards requires _____.

VOCABULARY WORD BANK

NORDLAYER
SCALABILITY

SITETOSITE
COMPLIANCE

STATICIP
ROUTING

DASHBOARD
GATEWAY

Write your answers here:

- | | | | |
|----|----------------------|----|----------------------|
| 1. | <input type="text"/> | 2. | <input type="text"/> |
| 3. | <input type="text"/> | 4. | <input type="text"/> |
| 5. | <input type="text"/> | 6. | <input type="text"/> |

Checkpoint 4: Domain Concept Match

DEFINITION MATCHING

Match each vocabulary term on the left with its correct definition on the right by writing the corresponding letter (A-H) in the fillable input box.

NORDLAYER

E Dynamic multi-seat team growth.

SITETOSITE

D Central admin control console.

STATICIP

A Best overall business pick.

DASHBOARD

B Office network interconnect tunnel.

SCALABILITY

C Dedicated non-blacklisted address.

COMPLIANCE

H Authentication remote entry node.

ROUTING

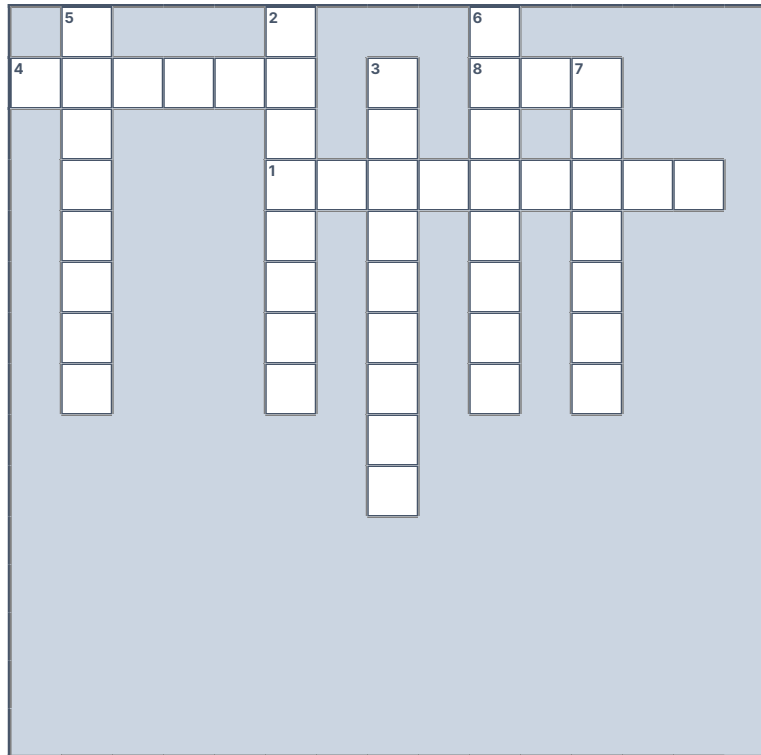
F Regulatory audit standard audit.

GATEWAY

G Split tunneling traffic control.

Checkpoint 5: Crossword Puzzle

Solve the crossword puzzle by typing letters into the active white boxes. The numbers correspond to the clues below.



ACROSS

1. Process of wrapping data packets inside other packets (9)
4. Remote server that routes traffic and hides your IP (6)
8. Internet Service Provider, logs traffic unless encrypted (3)

DOWN

2. Rules determining how data is sent and encrypted (8)
3. Rate of data transfer across a path (9)
5. Blocking site access based on location (8)
6. Security system that monitors and blocks traffic (8)
7. State of being free from tracking or surveillance (7)

Checkpoint 5 Alternative: Accessible Crossword Clues

Screen-reader and keyboard users can type the crossword answers directly in the text fields below.

ACROSS CLUES

1 Across: High speed business VPN solution ranked top by experts. (9 letters):

3 Across: Unique corporate address avoiding shared server blacklists. (8 letters):

5 Across: Capacity to support adding multiple seats for growing teams. (11 letters):

7 Across: Bypassing enterprise filters locally using split tunnels. (7 letters):

DOWN CLUES

2 Down: Tunnel topology linking physical office networks securely. (10 letters):

4 Down: Centralized administrator console interface for managing users. (9 letters):

6 Down: Meeting legal guidelines like GDPR or health data standards. (10 letters):

8 Down: Authentication access server for business network tunnels. (7 letters):

Checkpoint 6: Hidden Word Search

Find the 8 key vocabulary terms hidden in the grid below. Words can be horizontal, vertical, or diagonal.

J	R	H	G	C	O	M	P	L	I	A	N	C	E	X
J	Z	S	S	D	P	O	J	S	K	W	M	R	K	W
S	H	S	I	T	N	X	T	F	H	O	E	N	J	R
V	J	S	C	T	A	A	Z	U	A	X	E	V	F	O
O	P	Z	B	A	E	T	B	Q	K	E	T	K	H	U
I	N	R	N	C	L	T	I	K	B	A	R	S	X	T
S	G	X	F	O	K	A	O	C	B	T	E	M	N	I
F	A	I	U	K	R	X	B	S	I	M	K	E	U	N
N	T	U	A	R	D	D	H	I	I	P	L	J	I	G
K	E	M	A	O	Q	H	L	T	L	T	T	S	Q	F
B	W	B	E	E	S	R	W	A	M	I	E	B	F	H
C	A	G	D	C	D	D	R	A	Y	P	T	L	W	X
N	Y	Y	F	C	M	G	F	E	G	E	K	Y	F	K
Z	L	L	B	V	F	X	Y	Z	L	X	R	W	B	F
D	A	S	H	B	O	A	R	D	S	Y	I	P	W	L

VOCABULARY WORD LIST

NORD
LAYER
SCALABILITY

SITE
TO SITE
COMPLIANCE

STATIC
IP
ROUTING

DASHBOARD
GATEWAY

Checkpoint 6 Alternative: Accessible Vocabulary Matching

Match each of the 8 vocabulary terms from the Word Search to its correct definition by writing the letter (A-H) in the blank space.

VOCABULARY TERMS

- A. NORDLAYER
- B. SITETOSITE
- C. STATICIP
- D. DASHBOARD
- E. SCALABILITY
- F. COMPLIANCE
- G. ROUTING
- H. GATEWAY

DEFINITIONS & MATCH FIELDS

- 1. Continuous verification model.
- 2. Network layer encryption.
- 3. Cloud-native WAN security.
- 4. Multi-factor authentication.
- 5. Office interconnect tunnel.
- 6. Boundary port filter.
- 7. Cryptographic identity credential.
- 8. Access authorization node.

Checkpoint 7: Scrambled Word Challenge

Unscramble the letters below to reveal key domain brokerage concepts and terms. Write your answers in the input boxes provided.

1. R E Y A L D R O N

5. Y T I L I B A L A C S

2. E T I S O T E T I S

6. E C N A I L P M O C

3. P I C I T A T S

7. G N I T U O R

4. D R A O B H S A D

8. Y A W E T A G

Checkpoint 8: Domain Brokerage Case Studies

Apply the concepts you have learned to solve the real-world scenarios below.



CASE STUDY 1: SHARED PUBLIC IP BLACKLISTING

Scenario: A sales team accesses corporate databases using a consumer VPN, but is locked out because the shared exit IP was blacklisted by fraud systems.

Discussion Question: Propose a business VPN infrastructure configuration to resolve this lock.



CASE STUDY 2: CORPORATE OFFICE INTERCONNECTION

Scenario: An enterprise company with offices in Munich and Boston needs to securely share local file servers without routing traffic over public web spaces.

Discussion Question: Select the appropriate business VPN topology.

Final Challenge: Decrypting the Cipher

A network engineer secures routing channels and client tunnels. Use the Letter-to-Number key below to decrypt the message by writing the matching letters in the blank spaces.

LETTER-TO-NUMBER ENCRYPTION KEY

A=1	B=2	C=3	D=4	E=5	F=6	G=7	H=8	I=9	J=10	K=11	L=12	M=13
N=14	O=15	P=16	Q=17	R=18	S=19	T=20	U=21	V=22	W=23	X=24	Y=25	Z=26

Decoded cybersecurity message:

TIP: EACH NUMBER REPRESENTS THE POSITION OF THAT LETTER IN THE ALPHABET (E.G. 1 = A, 2 = B, 26 = Z).

Checkpoint 10: Basic VPN FAQs (Part A)

Review the most common questions and answers regarding Virtual Private Networks (VPNs) and tunneling.

Q1: What is a business VPN?

A secure network connection allowing remote staff and offices to access private corporate data safely.

Q2: How do consumer and business VPNs differ?

Consumer VPNs hide personal browsing; business VPNs protect corporate systems with central admin consoles.

Q3: What is a Site-to-Site VPN?

A tunnel that connects entire physical office networks to each other over the web.

Q4: What is a Remote Access VPN?

A tunnel allowing individual remote employees to securely connect to the company network.

Q5: What is the benefit of a dedicated static IP?

It keeps corporate traffic separate from public pools and avoids shared IP blacklisting.

Checkpoint 10: Basic VPN FAQs (Part B)

Review the most common questions and answers regarding Virtual Private Networks (VPNs) and tunneling.

Q6: Which provider is best for small businesses?

Private Internet Access (PIA), noted for small-team affordability and setup simplicity.

Q7: Which business VPN is ranked #1 overall?

NordLayer, scored at 92/100 for overall features and administration tools.

Q8: What is team scalability in VPNs?

The ability to dynamically add user seats, licenses, and gateways as a company grows.

Q9: Why is central management critical?

It allows admins to enforce security policies and revoke employee access in one dashboard.

Q10: What is SASE?

Secure Access Service Edge, which merges WAN routing with cloud-delivered security services.

Checkpoint 11: Advanced VPN FAQs (Part A)

Explore advanced technical aspects of VPN tunneling protocols, mobile client integrations, and enterprise deployment.

Q1: How does split tunneling secure teams?

It keeps private SaaS traffic inside the secure tunnel while routing public web access locally.

Q2: What does Proton VPN offer businesses?

Dedicated server infrastructure with high-security configurations scored at 88/100.

Q3: What compliance standards demand VPNs?

HIPAA, GDPR, and PCI-DSS require encryption of data in transit across public spaces.

Q4: Can you run business VPNs on routers?

Yes, configuring VPN tunnels on routers protects all office devices automatically.

Q5: What is multi-factor authentication?

Requiring multiple credentials (like smart cards or SMS codes) to authenticate logins.

Checkpoint 11: Advanced VPN FAQs (Part B)

Explore advanced technical aspects of VPN tunneling protocols, mobile client integrations, and enterprise deployment.

Q6: Why do shared IP addresses get blacklisted?

Because thousands of users share them, some of whom may perform malicious acts.

Q7: How does a gateway authenticate users?

By verifying client certificates, passwords, and multi-factor codes against active directories.

Q8: What does Surfshark offer teams?

Best value for security bundles, integrating antivirus and malware protection scored at 84/100.

Q9: How do you audit business VPN connections?

By inspecting connection logs, data usage metrics, and login history in the admin console.

Q10: What is Zero Trust access control?

A paradigm where all devices are assumed untrusted, demanding verification for every session.

Part 11: 10 Real-World VPN Facts & Insights

Review real-world facts regarding VPN encryption speeds, protocol audits, mobile connectivity, and enterprise remote work.

1. VPN INSIGHT

A business VPN encrypts traffic and shields company systems from public network sniffing.

2. VPN INSIGHT

Site-to-Site VPNs securely bridge entire branch networks together without exposing local hosts.

3. VPN INSIGHT

Consumer VPNs mask personal browsing, whereas business VPNs protect enterprise resource gateways.

4. VPN INSIGHT

NordLayer is scored at 92/100, making it the best overall business VPN tested.

5. VPN INSIGHT

Proton VPN is scored at 88/100, highlighted for providing dedicated infrastructure hosts.

6. VPN INSIGHT

Private Internet Access is scored at 76/100, ranked as the best option for small business teams.

7. VPN INSIGHT

Central admin dashboards allow security officers to manage user permissions and access rules.

8. VPN INSIGHT

Dedicated static IP addresses prevent teams from getting blocked by fraud systems sharing IPs.

9. VPN INSIGHT

Data compliance frameworks like GDPR require encryption of corporate communications.

10. VPN INSIGHT

Zero Trust architectures verify all remote endpoints regardless of location or credentials.

Technical References & Sources

The study guide and interactive puzzles are compiled from global technical standards, specifications, and regulatory frameworks.

SCHOLARLY & INDUSTRY REFERENCES

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- [10] WireGuard. (2026). Fast, Modern, Secure VPN Tunnel. Retrieved from <https://www.wireguard.com/>

Answer Key: Checkpoint 1 - Multiple Choice

1 Tunnel Topology

SITE-TO-SITE

Correct Answer: A

TEACHING NOTE

Site-to-Site VPNs securely connect entire remote branch offices to each other.

Citation: NIST Zero Trust [Ref 1].

2 Top Scored Provider

NORDLAYER

Correct Answer: A

TEACHING NOTE

NordLayer is scored at 92/100, ranked as the best overall business VPN pick.

Citation: CISA Infrastructure [Ref 2].

3 IP Whitelisting

DEDICATED IP

Correct Answer: A

TEACHING NOTE

Dedicated static IPs prevent teams from getting locked out due to shared IP blacklists.

Citation: NIST Remote Access [Ref 5].

4 Dedicated Servers

PROTON VPN

Correct Answer: A

TEACHING NOTE

Proton VPN is scored at 88/100, highlighted for its dedicated server setups.

Citation: CISA Advisories [Ref 3].

5 Central Console

ADMIN CONTROLS

Correct Answer: A

TEACHING NOTE

Centralized panels allow security officers to manage user permissions and seats.

Citation: NIST Remote Access [Ref 5].

Answer Key: Checkpoint 2 - True or False

6 Remote Connections

REMOTE ACCESS

Correct Answer: True

TEACHING NOTE

Remote Access VPNs allow individual remote workers to connect to private servers.

Citation: NIST Remote Access [Ref 5].

7 Enterprise Tunnels

CONSUMER LIMITS

Correct Answer: False

TEACHING NOTE

Consumer VPNs lack centralized admin controls and are unsuitable for organization audits.

Citation: CISA Infrastructure [Ref 2].

8 Gateway Isolation

DEDICATED TUNNEL

Correct Answer: True

TEACHING NOTE

Dedicated IPs isolate company traffic from public noise to secure databases.

Citation: NIST Zero Trust [Ref 1].

9 Small Teams

PIA VALUE

Correct Answer: False

TEACHING NOTE

PIA is scored at 76/100, ranked as best value for small enterprise teams.

Citation: CISA Advisories [Ref 3].

10 Security Merges

SASE STANDARD

Correct Answer: True

TEACHING NOTE

SASE merges enterprise WAN routing with cloud-delivered zero-trust security.

Citation: Cloudflare Zero Trust [Ref 4].

Vocabulary Keys & Grading Rubric

Instructor Grading Rubric: Award 1 point for each correct matching (8 points total) and context term (6 points total).

CHECKPOINT 4: CONCEPT MATCH KEY

A NORDLAYER

B SITETOSITE

C STATICIP

D DASHBOARD

E SCALABILITY

F COMPLIANCE

G ROUTING

H GATEWAY

CHECKPOINT 3: KEY TERM KEY

1 NORDLAYER

2 SITETOSITE

3 STATICIP

4 DASHBOARD

5 SCALABILITY

6 COMPLIANCE

DISCUSSION NOTES FOR INSTRUCTORS

Valuation Accuracy:

Verify that students understand how domain length, extension (.com, .ai), and commercial search volume drive appraisal pricing.

Escrow Security:

Emphasize that funds are held in licensed third-party holding accounts prior to domain WHOIS transfer verification.

Stealth Representation:

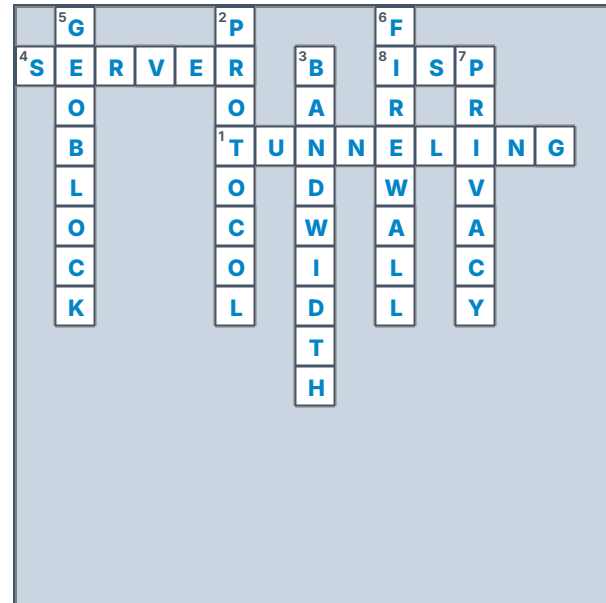
Highlight the role of NDAs and third-party representation in preventing speculative price gouging during corporate procurement.

Puzzles Keys & Instructor Notes

WORD SEARCH SOLUTION

J	R	H	G	C	O	M	P	L	I	A	N	C	E	X
J	Z	S	S	D	P	O	J	S	K	W	M	R	K	W
S	H	S	I	T	N	X	T	F	H	O	E	N	J	R
V	J	S	C	T	A	A	Z	U	A	X	E	V	F	O
O	P	Z	B	A	E	T	B	Q	K	E	T	K	H	U
I	N	R	N	C	L	T	I	K	B	A	R	S	X	T
S	G	X	F	O	K	A	O	C	B	T	E	M	N	I
F	A	I	U	K	R	X	B	S	I	M	K	E	U	N
N	T	U	A	R	D	D	H	I	I	P	L	J	I	G
K	E	M	A	O	Q	H	L	T	L	T	T	S	Q	F
B	W	B	E	E	S	R	W	A	M	I	E	B	F	H
C	A	G	D	C	D	D	R	A	Y	P	T	L	W	X
N	Y	Y	F	C	M	G	F	E	G	E	K	Y	F	K
Z	L	L	B	V	F	X	Y	Z	L	X	R	W	B	F
D	A	S	H	B	O	A	R	D	S	Y	I	P	W	L

CROSSWORD SOLUTION



INSTRUCTOR GUIDE FOR CROSSWORD SOLUTIONS

ACROSS CLUES

- 1 Across:** TUNNELING Process of wrapping data packets. (3, 5)
- 4 Across:** SERVER Remote computer routing traffic. (1, 0)
- 8 Across:** ISP Internet Service Provider. (1, 9)

DOWN CLUES

- 2 Down:** PROTOCOL Rules determining data transmission. (0, 5)
- 3 Down:** BANDWIDTH Rate of data transfer. (1, 7)
- 5 Down:** GEOBLOCK Location website restriction. (0, 1)
- 6 Down:** FIREWALL Security monitor barrier. (0, 9)
- 7 Down:** PRIVACY State of freedom from tracking. (1, 11)

Scrambled Words & Cipher Solution Key

Grading key for the vocabulary word unscramble activity and Secret Cipher Challenge.

WORD UNSCRAMBLE KEY

1. R E Y A L D R O N

NORDLAYER

5. Y T I L I B A L A C S

SCALABILITY

2. E T I S O T E T I S

SITETOSITE

6. E C N A I L P M O C

COMPLIANCE

3. P I C I T A T S

STATICIP

7. G N I T U O R

ROUTING

4. D R A O B H S A D

DASHBOARD

8. Y A W E T A G

GATEWAY

SECRET CIPHER CHALLENGE KEY

"ZERO TRUST MODELS SECURE MODERN ENTERPRISE NETWORKS"

Domain Brokerage Case Studies Solution Key

A Case Study 1: Shared Public IP Blacklisting

[Instructor Solution](#)

GRADING GUIDELINE

Student answers should cover the following points:

- **Scenario Analysis:** A sales team accesses corporate databases using a consumer VPN, but is locked out because the shared exit IP was blacklisted by fraud systems.
- **Recommended Strategy & Solution:** Deploy dedicated business servers paired with a static IP address to separate corporate traffic from public pools.

B Case Study 2: Corporate Office Interconnection

[Instructor Solution](#)

GRADING GUIDELINE

Student answers should cover the following points:

- **Scenario Analysis:** An enterprise company with offices in Munich and Boston needs to securely share local file servers without routing traffic over public web spaces.
- **Recommended Strategy & Solution:** Configure a Site-to-Site VPN tunnel to interconnect the two local office networks securely over the internet.