

Name: _____

Date: _____

Score: _____

Windscribe Review

Technical analysis of Canadian-headquartered Windscribe, ROBERT customizable DNS-based blocker, Cruise Control location switching, 10GB free tier, and open-source clients.

WINDSCRIBE REVIEW 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 the technical review of Windscribe. You will explore R.O.B.E.R.T. customizable DNS blockers, Canada jurisdiction, open-source clients, and Cruise Control.

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/windscribe/>

Your Windscribe Learning Roadmap

- Analyze the technical architecture and encryption standards of Windscribe Review.
- Configure client settings to prevent IP, DNS, and WebRTC traffic leaks.
- Compare proprietary tunneling protocols against standard implementations.

WINDSCRIBE REVIEW 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 ROBERT DNS blockers and Cruise Control.

R.O.B.E.R.T. CUSTOM DNS DOMAIN FILTERS & OPEN-SOURCE DESKTOP CLIENTS (INTRODUCTION)

Windscribe features the highly customizable R.O.B.E.R.T. ad and tracker blocker operating at the DNS server level. It maintains open-source desktop clients, Canadian corporate registration, a popular free tier, and Cruise Control routing.

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

Checkpoint 1: Multiple Choice Challenge

1 What is the name of Windscribe's customizable ad and tracker blocker?

- ☐ A) ROBERT
- ☐ B) NetShield
- ☐ C) CleanWeb
- ☐ D) MACE

2 In which country is Windscribe registered and headquartered?

- ☐ A) Canada
- ☐ B) United States
- ☐ C) Switzerland
- ☐ D) Panama

3 Which feature dynamically connects users to optimal servers automatically?

- ☐ A) Cruise Control
- ☐ B) SafePath
- ☐ C) Stealth Mode
- ☐ D) Double Hop

4 What is the monthly bandwidth quota of Windscribe's free tier?

- ☐ A) 10 GB
- ☐ B) 2 GB
- ☐ C) 5 GB
- ☐ D) Unlimited

5 Which protocol does Windscribe recommend for maximum speeds?

- ☐ A) WireGuard
- ☐ B) OpenVPN
- ☐ C) IKEv2
- ☐ D) Stealth

Checkpoint 2: True or False Challenge

6 Question 6

The R.O.B.E.R.T. blocklist operates at the DNS level to block trackers and ads.

☐ True ☐ False

7 Question 7

Cruise Control forces users to always connect to their nearest home server.

☐ True ☐ False

8 Question 8

Windscribe provides a functional SOCKS5 proxy configuration for torrent clients.

☐ True ☐ False

9 Question 9

Windscribe client applications are fully open-source and audited.

☐ True ☐ False

10 Question 10

The provider stores full session connection histories for up to 30 days.

☐ 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. Domain filtering and ad blocking are handled by _____ settings.
2. Windscribe is headquartered and operated out of _____ with strict laws.
3. Optimal server matching is handled by the _____ Control setting.
4. The free subscription tier offers a monthly allocation of _____ data.
5. Rapid throughput performance is achieved using the _____ protocol.
6. The provider supports proxy traffic routing using a custom _____ layer.

VOCABULARY WORD BANK

robert
wireguard

canada
socks5

cruise
blocker

10gb
opensource

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: VPN & Network Concept Match

DEFINITION MATCHING

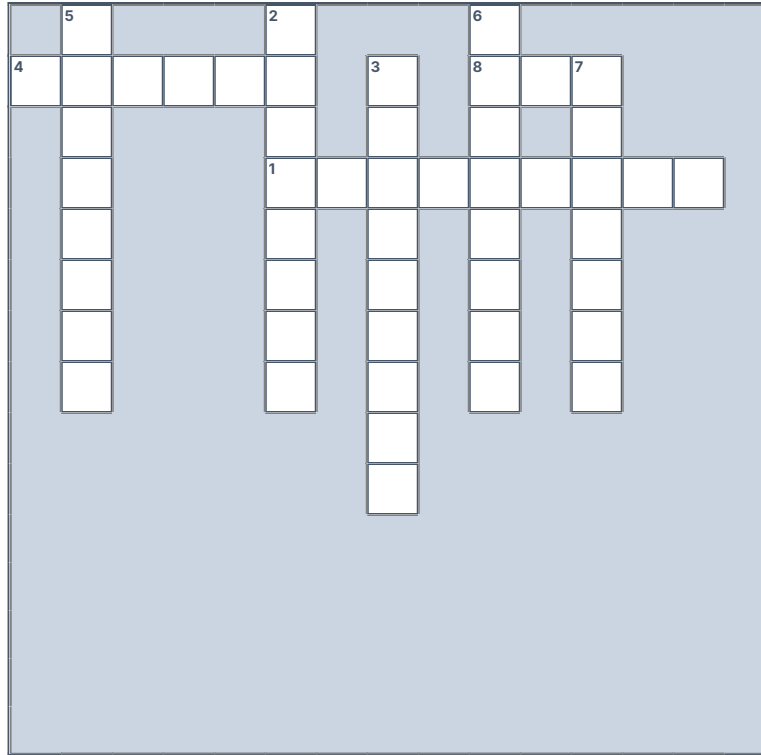
Match each vocabulary term on the left with its correct definition on the right by writing the corresponding letter (A-H) in the fillable input box.

- robert
- canada
- cruise
- 10gb
- wireguard
- socks5
- blocker
- opensource

- C** Automated server selection feature based on current network paths.
- E** Next-generation encryption protocol for maximum speeds.
- B** Country of registration and headquarters for the VPN.
- G** Security filter designed to stop malicious software domains.
- H** Code transparency model where client code is public.
- D** Monthly data capacity allocated to free-tier accounts.
- A** DNS-level customization tool for blocking ads and trackers.
- F** Proxy standard used for high-speed unencrypted downloads.

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: Proprietary DNS blocker feature name (6 letters):

4 Across: Canadian corporate headquarters country (6 letters):

5 Across: Automated dynamic server selection name (6 letters):

7 Across: Monthly free tier data limit capacity (4 letters):

DOWN CLUES

2 Down: Fastest cryptographic protocol standard (9 letters):

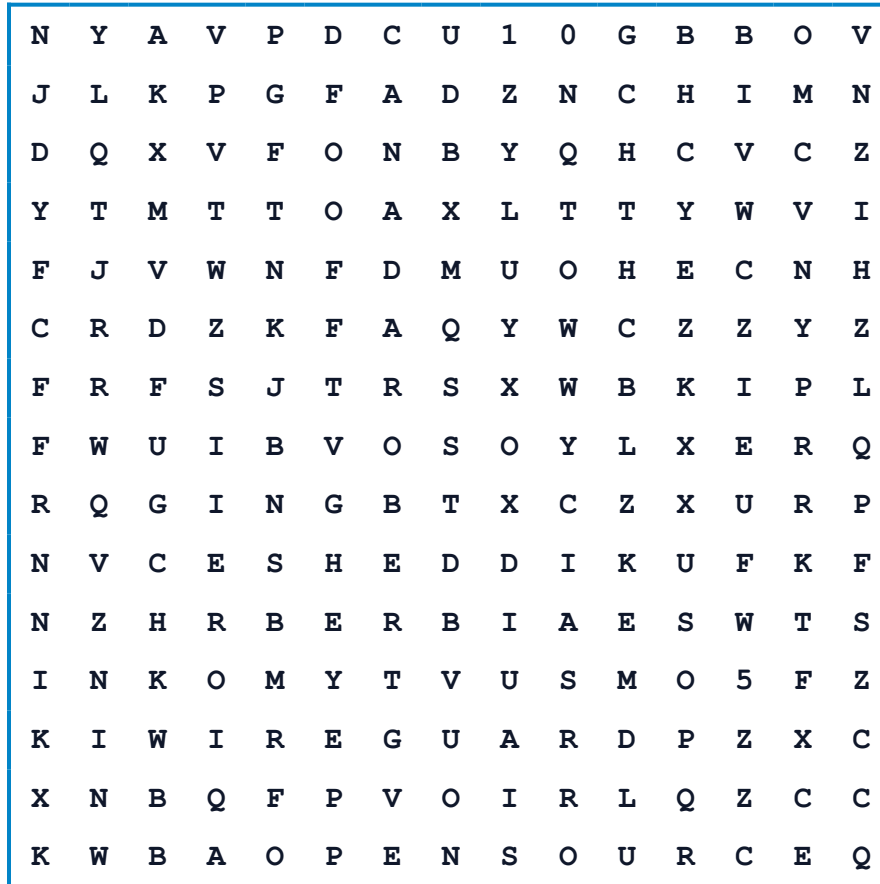
3 Down: Torrent proxy standard protocol name (6 letters):

6 Down: Safety ad and malware blocker tool (7 letters):

8 Down: Open source client application code model (10 letters):

Checkpoint 6: Hidden Word Search

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



VOCABULARY WORD LIST

robert
wireguard

canada
socks5

cruise
blocker

10gb
opensource

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. robert
- B. canada
- C. cruise
- D. 10gb
- E. wireguard
- F. socks5
- G. blocker
- H. opensource

DEFINITIONS & MATCH FIELDS

- 1. DNS-level customization tool for blocking ads and trackers.
- 2. Country of registration and headquarters for the VPN.
- 3. Automated server selection feature based on current network paths.
- 4. Monthly data capacity allocated to free-tier accounts.
- 5. Next-generation encryption protocol for maximum speeds.
- 6. Proxy standard used for high-speed unencrypted downloads.
- 7. Security filter designed to stop malicious software domains.
- 8. Code transparency model where client code is public.

Checkpoint 7: Scrambled Word Challenge

Unscramble the letters below to reveal key Virtual Private Network (VPN) concepts and terms. Write your answers in the input boxes provided.

1. obertr

5. ireguardw

2. anadac

6. ocks5s

3. ruisecc

7. lockerb

4. 0gb1

8. pensourceo

Checkpoint 8: VPN & Network Case Studies

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



CASE STUDY 1: DNS-LEVEL DOMAIN FILTERING

Scenario: A user wants to block social media trackers, ads, and phishing domains across their entire device without running separate blocker plugins.

Discussion Question: Which Windscribe feature should be configured, and how does it execute this request?



CASE STUDY 2: OPTIMIZING SERVER HANDSHAKES

Scenario: A software engineer connects from different offices and wants the VPN to automatically switch servers to maintain the lowest ping.

Discussion Question: Which Windscribe client setting automates this connection adjustment?

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

23	9	14	4	19	3	18	9	2	5	18	15	2	5	18	20
6	9	12	20	5	18	2	12	15	3	11	19				
20	18	1	3	11	5	18	4	15	13	1	9	14			
						17	21	5	18	9	5	19			

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 Windscribe?

Windscribe is a Canadian VPN provider famous for its 10GB free plan and robust R.O.B.E.R.T. blocking system.

Q2: What is R.O.B.E.R.T.?

R.O.B.E.R.T. is a customizable DNS-level blocker that blocks ads, trackers, malware, and custom domains.

Q3: How much free data do I get?

You get 10GB of high-speed data monthly by registering and verifying your email address.

Q4: Where is Windscribe based?

Windscribe is headquartered in Toronto, Canada, under Canadian jurisdiction.

Q5: What is Cruise Control?

Cruise Control is a feature that automatically connects you to the best server based on latency.

Checkpoint 10: Basic VPN FAQs (Part B)

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

Q6: Can I block ads on mobile?

Yes, R.O.B.E.R.T. works on both mobile and desktop apps to filter ads at the DNS level.

Q7: Does Windscribe support WireGuard?

Yes, WireGuard is supported natively for high-speed, secure connections.

Q8: Are Windscribe apps open source?

Yes, Windscribe's client applications are fully open-source and audited.

Q9: Does it support double hop?

Yes, their browser extensions allow routing traffic through a second server node.

Q10: Is there a kill switch?

Yes, Windscribe features a built-in firewall kill switch that blocks unencrypted traffic leaks.

Checkpoint 11: Advanced VPN FAQs (Part A)

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

Q1: How does R.O.B.E.R.T. block ads?

It intercepts DNS lookup queries and blocks connections to blacklisted ad domains at the server level.

Q2: Is Canada a surveillance threat?

Yes, Canada's Five-Eyes membership raises logging considerations, though Windscribe has a zero-logs policy.

Q3: What is the Windscribe firewall?

It is an advanced kill switch that blocks all sockets outside the VPN tunnel using Windows Filtering Platform.

Q4: Can I configure custom rules in R.O.B.E.R.T.?

Yes, paid accounts can create custom whitelist and blacklist rules for specific domain groups.

Q5: Does it support port forwarding?

Yes, Windscribe supports both ephemeral (temporary) and static port forwarding for P2P/gaming.

Checkpoint 11: Advanced VPN FAQs (Part B)

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

Q6: How does Stealth protocol function?

It wraps OpenVPN packets in a TLS tunnel via Stunnel to bypass deep packet inspection firewalls.

Q7: Is WebRTC leak protection active?

Yes, the browser extensions block WebRTC IP disclosures at the browser level.

Q8: Can I buy a dedicated IP?

Yes, Windscribe offers dedicated static IPs (datacenter or residential) as paid add-ons.

Q9: How are free tier nodes restricted?

Free users have access to 10 specific countries, while paid accounts unlock all locations.

Q10: What is the logging retention policy?

They log no IP history, session timestamps, or bandwidth histories; only account status is stored.

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

Windscribe is registered in Toronto, Canada, operating under Canadian national laws.

2. VPN INSIGHT

R.O.B.E.R.T. blocks ads and trackers at the DNS server level, reducing payload size.

3. VPN INSIGHT

Their free tier provides 10GB of monthly data with email verification.

4. VPN INSIGHT

Cruise Control automatically switches server nodes to maintain optimal connection speeds.

5. VPN INSIGHT

All client applications are fully open-source to support verification audits.

6. VPN INSIGHT

It employs a firewall-level kill switch rather than simple routing adjustments.

7. VPN INSIGHT

Double hop routing is supported via the integrated browser extension.

8. VPN INSIGHT

The provider supports WireGuard, OpenVPN, IKEv2, and Stealth protocols.

9. VPN INSIGHT

Port forwarding is available to support inbound connections for hosting and P2P.

10. VPN INSIGHT

They maintain no logs of user browsing activities, destination IPs, or session logs.

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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Answer Key: Checkpoint 1 - Multiple Choice

1 Network Check 1

VPN PROTECTION

Correct Answer: A

TEACHING NOTE

What is the name of Windscribe's customizable ad and tracker blocker?

Citation: IETF VPN RFC [Ref 3].

2 Network Check 2

VPN PROTECTION

Correct Answer: A

TEACHING NOTE

In which country is Windscribe registered and headquartered?

Citation: IETF VPN RFC [Ref 3].

3 Network Check 3

VPN PROTECTION

Correct Answer: A

TEACHING NOTE

Which feature dynamically connects users to optimal servers automatically?

Citation: IETF VPN RFC [Ref 3].

4 Network Check 4

VPN PROTECTION

Correct Answer: A

TEACHING NOTE

What is the monthly bandwidth quota of Windscribe's free tier?

Citation: IETF VPN RFC [Ref 3].

5 Network Check 5

VPN PROTECTION

Correct Answer: A

TEACHING NOTE

Which protocol does Windscribe recommend for maximum speeds?

Citation: IETF VPN RFC [Ref 3].

Answer Key: Checkpoint 2 - True or False

6 Network Rule 1

VPN PROTECTION

Correct Answer: True

TEACHING NOTE

The R.O.B.E.R.T. blocklist operates at the DNS level to block trackers and ads.

Citation: IETF VPN RFC [Ref 3].

7 Network Rule 2

VPN PROTECTION

Correct Answer: False

TEACHING NOTE

Cruise Control forces users to always connect to their nearest home server.

Citation: IETF VPN RFC [Ref 3].

8 Network Rule 3

VPN PROTECTION

Correct Answer: True

TEACHING NOTE

Windscribe provides a functional SOCKS5 proxy configuration for torrent clients.

Citation: IETF VPN RFC [Ref 3].

9 Network Rule 4

VPN PROTECTION

Correct Answer: True

TEACHING NOTE

Windscribe client applications are fully open-source and audited.

Citation: IETF VPN RFC [Ref 3].

10 Network Rule 5

VPN PROTECTION

Correct Answer: False

TEACHING NOTE

The provider stores full session connection histories for up to 30 days.

Citation: IETF VPN RFC [Ref 3].

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 robert

B canada

C cruise

D 10gb

E wireguard

F socks5

G blocker

H opensource

CHECKPOINT 3: KEY TERM KEY

1 robert

2 canada

3 cruise

4 10gb

5 wireguard

6 socks5

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

N	Y	A	V	P	D	C	U	1	O	G	B	B	O	V
J	L	K	P	G	F	A	D	Z	N	C	H	I	M	N
D	Q	X	V	F	O	N	B	Y	Q	H	C	V	C	Z
Y	T	M	T	T	O	A	X	L	T	T	Y	W	V	I
F	J	V	W	N	F	D	M	U	O	H	E	C	N	H
C	R	D	Z	K	F	A	Q	Y	W	C	Z	Z	Y	Z
F	R	F	S	J	T	R	S	X	W	B	K	I	P	L
F	W	U	I	B	V	O	S	O	Y	L	X	E	R	Q
R	Q	G	I	N	G	B	T	X	C	Z	X	U	R	P
N	V	C	E	S	H	E	D	D	I	K	U	F	K	F
N	Z	H	R	B	E	R	B	I	A	E	S	W	T	S
I	N	K	O	M	Y	T	V	U	S	M	O	5	F	Z
K	I	W	I	R	E	G	U	A	R	D	P	Z	X	C
X	N	B	Q	F	P	V	O	I	R	L	Q	Z	C	C
K	W	B	A	O	P	E	N	S	O	U	R	C	E	Q

CROSSWORD SOLUTION

		5	G					2	P					6	F			
4	S	E	R	V	E	R				3	B			8	I	S	7	P
		O				O					A			R			R	
		B					1	T	U	N	N	E	L	I	N	G		
		L						O		D				W		V		
		O						C		W				A		A		
		C						O		I				L		C		
		K						L		D				L		Y		
										T								
										H								

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. obertr

robert

5. ireguardw

wireguard

2. anadac

canada

6. ocks5s

socks5

3. ruisecc

cruise

7. lockerb

blocker

4. 0gb1

10gb

8. pensourceo

opensource

SECRET CIPHER CHALLENGE KEY

**"WINDSCRIBE ROBERT FILTER BLOCKS TRACKER DOMAIN
QUERIES"**

VPN & Network Case Studies Solution Key

A Case Study 1: DNS-Level Domain Filtering

[Instructor Solution](#)

GRADING GUIDELINE

Student answers should cover the following points:

- **Scenario Analysis:** A user wants to block social media trackers, ads, and phishing domains across their entire device without running separate blocker plugins.
- **Recommended Strategy & Solution:** R.O.B.E.R.T. should be configured; it filters requests at the VPN's DNS server level, returning null routes for blocked domains.

B Case Study 2: Optimizing Server Handshake

[Instructor Solution](#)

GRADING GUIDELINE

Student answers should cover the following points:

- **Scenario Analysis:** A software engineer connects from different offices and wants the VPN to automatically switch servers to maintain the lowest ping.
- **Recommended Strategy & Solution:** Cruise Control dynamically switches server connections as the user's local network location changes.