

Wireshark Certified Network Analyst™ Program



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Wireshark Certified Network Analyst

- Designed to confirm individual competencies in using Wireshark® to locate the cause of network problems (poor performance or security-related) and confirm your knowledge of TCP/IP network communications in general.
- Wireshark Certified Network Analyst Exam was DoD 8570-approved by the US Army
- Download Wireshark for free from www.wireshark.org/download

Contents

- Certification Process
- Certification Maintenance
- Wireshark Certified Network Analyst Online Portal
- Registering for the Exam
- Sample Exam Questions
- Q & A

The Certification Process

The Certification Process



The Certification Process



**Wireshark University
Authorized Training
Partner Courses**

Study Guide

Exam Prep Guide

On-the-Job Study

Practice Exam



Global Knowledge.

www.globalknowledge.com



www.chappellU.com



www.scos.nl

The Certification Process

Pre-Certification
(Study/Prepare)

Certification
Process

Certification
Maintenance

Recertification
Process

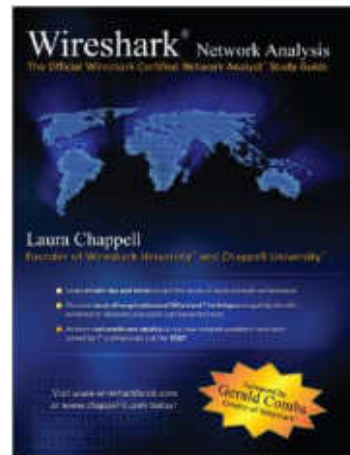
Wireshark University
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Partner Courses

Study Guide

Exam Prep Guide

On-the-Job Study

Practice Exam



ISBN10: 1-893939-99-5

ISBN13: 978-1-893939-99-8

Paperback: 800 pages

Book URL: www.wiresharkbook.com

I have recommended all my junior analysts read WNA. They will learn a ton about Wireshark, and will also be able to follow Laura's explanations of many common network protocols. We may even pursue the certification tied to the book. Great work Laura!
- Richard Bejtlich, TaoSecurity.com

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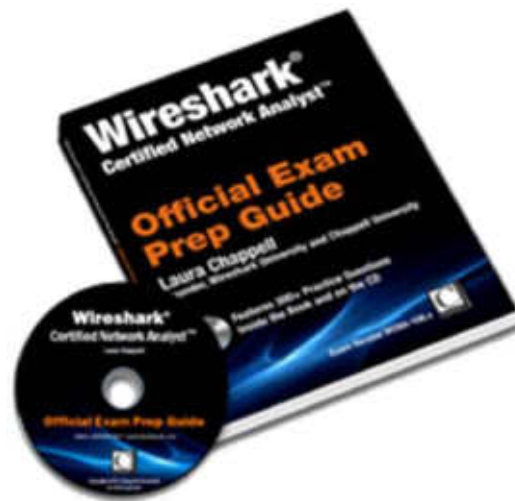
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Book URL: www.wiresharkbook.com/epg

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www.webassessor.com/pai

The screenshot shows the Protocol Analysis Institute (PAI) website. The page title is "Protocol Analysis Institute" and the main heading is "CERTIFICATION REGISTRATION". The page content includes a welcome message, a list of exams (Wireshark Certified Network Analyst Exam and Practice Exam), and instructions on how to obtain certification. A login form is visible on the right side of the page.

Protocol Analysis Institute

HOME | CERTIFICATIONS | REGISTER FOR AN EXAM

CERTIFICATION REGISTRATION

Welcome to the Protocol Analysis Institute online registration for certification exams and assessments.

Protocol Analysis Institute (PAI) is the parent company of Wireshark University (www.wiresharktraining.com) and Chapel University (www.chapel.edu). At this time, PAI offers the following Exams:

- Wireshark Certified Network Analyst Exam
- Wireshark Certified Network Analyst Practice Exam

How to Obtain Certification:

Protocol Analysis Institute's Certification Exams are available at hundreds of testing centers around the world. You can take your Exam at a KRYTERION High-Stake Online Secure Testing (HOST) location or where you live, learn or work via KRYTERION's Online Proctoring (OLP) services. In some cases, online Assessment Exams may also be available. To find out more about Protocol Analysis Institute's Certification Exams, please visit Protocol Analysis Institute's www.pai.edu.

Getting Started

1. Create a new account by clicking [here](#).
2. Login to your account.
3. Register for a Certification Exam or Assessment Exam.

If you have any questions about registering or scheduling an Exam, please contact Protocol Analysis Institute at +1-409-379-7941 or email us at info@paia.net.

Login:
Password:

The Certification Process




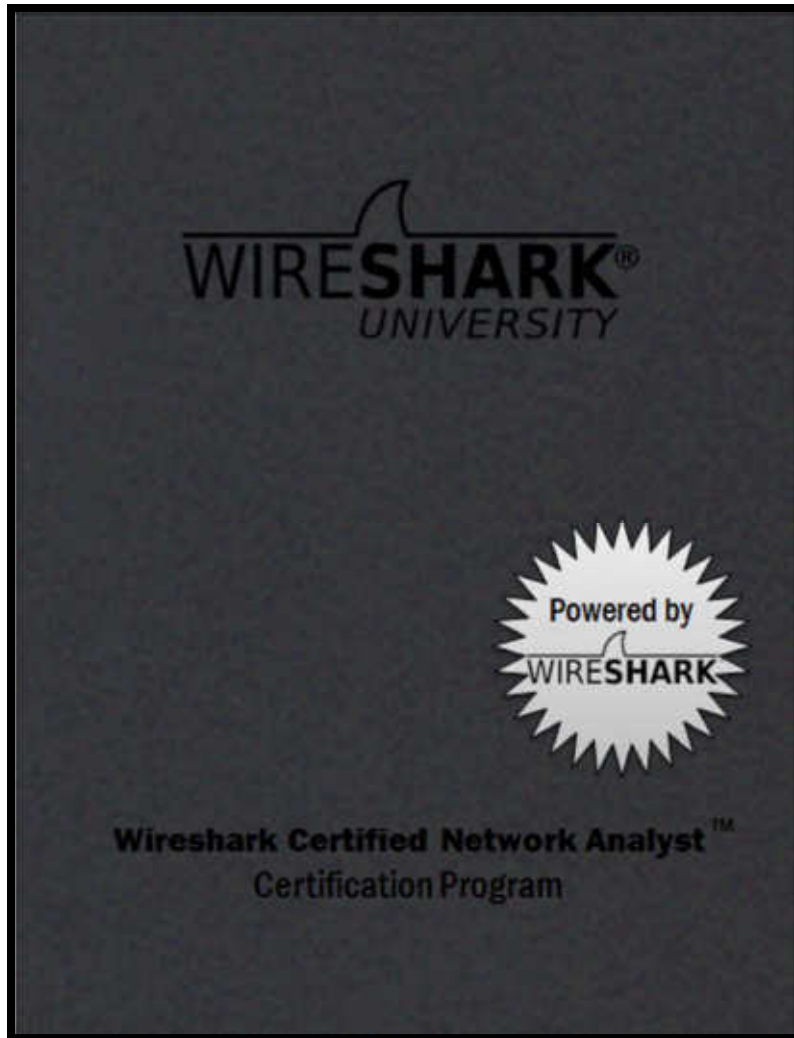
Register and take the Exam at
www.webassessor.com/pai

80 countries and almost 500
testing centers worldwide

No testing center? Learn about
the Online Proctored option at
www.kryteriononline.com

Your Welcome Kit

- Your signed Certificate
- Your Certification ID Number
- Your Portal login information 
- Logo access and usage details
- CPE requirement details



The Certification Process



20 Continuing Professional Education (CPE) Credits yearly for 3 years – *Free* training through your Online Portal



- Wireshark Functionality
- Network Communications
- Network Troubleshooting
- Network Security

The Certification Process



Register and take the current Exam

- Latest version of Wireshark
- Latest Exam objectives
- Updated technologies
- Updated methods

This is **NOT** Your Typical Certification Program

- Our goal is to build a **global team of Wireshark Certified Network Analysts capable of tackling the biggest network challenges.**
- We want you to succeed and benefit from achieving the Wireshark Certified Network Analyst designation.
- The Online Portal provides you with free updated/advanced training after your certification to enhance your network analysis skills

Certification Maintenance

Certification Maintenance



20 Continuing Professional Education (CPE) Credits yearly for 3 years – *Free* training through your Online Portal



- Wireshark Functionality
- Network Communications
- Network Troubleshooting
- Network Security

60 Minutes of Activity = 1 CPE



Read/Write

- Technical Books, RFCs, Articles, etc.



Listen/Watch

- Podcasts, webinars, online training events



Attend

- Conferences, seminars, member meetings



Work

- Submit reports based on your on-the-job experience

Manual CPE Submission Process

www.wiresharktraining.com/cpe

- Only required for CPEs gained outside your Wireshark Analyst Online Portal



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CPE Submission Form

Wireshark Certified Network Analysts must obtain twenty (20) CPE credits for each certification year. Questions about the CPE crediting program may be sent to cpe@wiresharktraining.com

 CPE Information Package

All fields are required.

Last name:

First name:

Certification ID:
Printed on your Wireshark Certified Network Analyst Certificate

Email:

Phone Number:

CPE credit information including date, location and duration of activity:

Date:

Location:

Duration (hours): Full hour values only.

Description of Activity:

Your Online Portal[®]



Certification Maintenance




20 Continuing Professional Education (CPE) Credits yearly for 3 years – *Free* training through your Online Portal

- Wireshark Functionality
- Network Communications
- Network Troubleshooting
- Network Security

The Wireshark Certified Network Analyst Process



WCNA Online Portal 

- ✓ Activities worth +20 CPE credits per year (online courses/study)
- ✓ Up-to-date techniques and dissections of network traffic
- ✓ You can contribute using work-related experience for credit
- ✓ No need to submit CPEs for this CPE training – automatically credited to your Wireshark Certified Network Analyst Account

The Online Portal

The screenshot displays the WCNA Online Portal interface. At the top, the header includes the 'WIRESHARK CERTIFIED NETWORK ANALYST' logo and the 'WCNA Portal' title. A search bar is located below the header. The main content area is titled 'WCNA Online Portal Content' and features a 'Courses list' section. A table lists various courses, each with a green checkmark icon, a course number, a title, CPE value, author, and category. The sidebar on the left contains a 'Main Menu' with links like 'Home', 'Enrolled Courses', and 'WCNA Course List', and a 'User Menu' with links like 'My Portal Information' and 'My Profile'. A note on the left side of the page states: 'Access is restricted to individuals who have passed the Wireshark Certified Network Analyst exam.'







#	Course Name	Category
1	Analyzing TCP Connection Options [CPE: 1.5] Author: Laura Chappell	TCP/IP Ar
2	NetScanTools Pro [CPE: 1] Author: Laura Chappell	Other To
3	Quiz Challenge 1: TCP Handshake [CPE: 1] Author: Laura Chappell	Quiz Cha
4	Quiz Challenge 2: HTTP Analysis [CPE: 1] Author: Laura Chappell	Quiz Cha
5	Quiz Challenge 3: Wireshark Display Filters [CPE: 1] Author: Laura Chappell	Quiz Cha
6	RFC 1323: TCP Extensions for High Performance [CPE: 2] Author: Laura Chappell	Industry RFCs with Quizzes
7	RFC 791: Internet Protocol (IP) [CPE: 2] Author: Laura Chappell	Industry RFCs with Quizzes
8	RFC 792: Internet Control Message Protocol [CPE: 2] Author: Laura Chappell	Industry RFCs with Quizzes
9	Sanitizing Trace Files with B5-Twist(w) [CPE: 1.5] Author: Laura Chappell	Other Tools


WCNA Online Portal

Take Wireshark Certified Network Analyst CPE training and print your transcript to meet other Certification CPE requirements*

Wireshark Certified Network Analyst CPE Training and Other Cert Programs

CISSP CPE Requirements

Direct Information Systems Security Activities {GROUP A Credits}	Professional Skills Activities {GROUP B Credits}
Access Control 	Organizational Behavior
Application Security 	Strategic Planning
Business Continuity and Disaster Recovery Planning	Programming Languages & Techniques
Cryptography	Tools and Techniques 
Information Security and Risk Management 	Interpersonal Communications Skills
Legal, Regulations, Compliance and Investigations	Interviewing Techniques
Operations Security	Team Development Skills
Physical (Environmental) Security	Project Management Skills
Security Architecture and Design 	
Telecommunications and Network Security 	

 Wireshark studies and the Wireshark Certified Network Analyst Exam process should qualify for CISSP CPE credits in these areas. Ultimately, however, it is the decision of the ISC2 to allow/disallow CPE credits. Wireshark is, however, the #1 ranked open source tool for network security and any skills gained using Wireshark should apply directly to the CISSP desired skillset.

Register for the Exam

Register for a Free Test Taker Account at www.webassessor.com/pai

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Protocol Analysis Institute

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- Wireshark Certified Network Analyst Practice Exam

Login:	<input type="text"/>
Password:	<input type="password"/>
	<input type="button" value="log in"/>

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2. Login to your account.
3. Register for a Certification Exam or Assessment Exam.

If you have any questions about registering or scheduling an Exam, please contact Protocol Analysis Institute at +1 408-378-7841 or email us at info@packet-level.com

www.wiresharktraining.com

Choose your desired Exam and click **Buy Now**.

You will not be asked for payment until you have completed scheduling your Exam. You must complete payment information before accessing Practice Exams.



Protocol Analysis Institute

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ASSESSMENT REGISTRATION

[Return Home](#)

To register for an assessment, please select an assessment from the list below.

Wireshark Exams

Wireshark Certified Network Analyst Exam	Wireshark Certified Network Analyst Exam [v100.1] Retake Policy:	PR000001	\$299.00	Buy Now
Wireshark Certified Network Analyst Practice Exam	Wireshark Certified Network Analyst Practice Exam [v100.1] Retake Policy:	PR000002	\$29.00	Buy Now
Wireshark Certified Network Analyst OLP	Wireshark Certified Network Analyst Exam [v100.1] Retake Policy: Biometric Requirements:	PR000003	\$299.00	Buy Now

[Return Home](#)

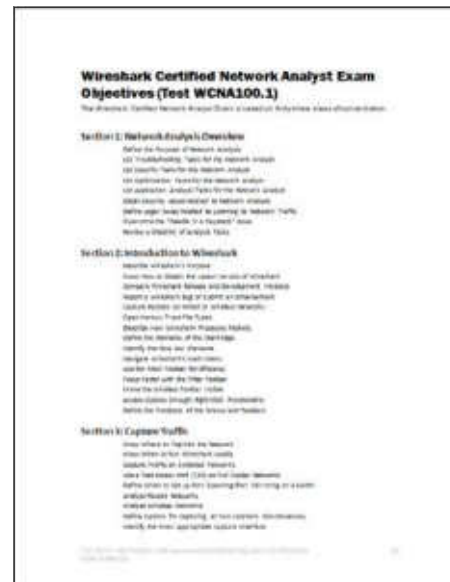
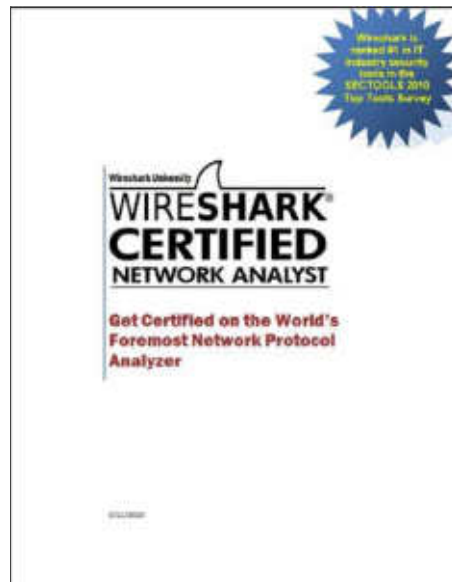
The Exam

What's On the Exam?

- Four “Focus Areas”
 - Wireshark Functionality
 - Network Communications
 - Network Troubleshooting
 - Network Forensics/Security
- Pass/Fail indication upon completion of Exam

Thirty-Three Specific Sections

Section Detail is located in the Certification Info Pack at www.wiresharktraining.com/certification.



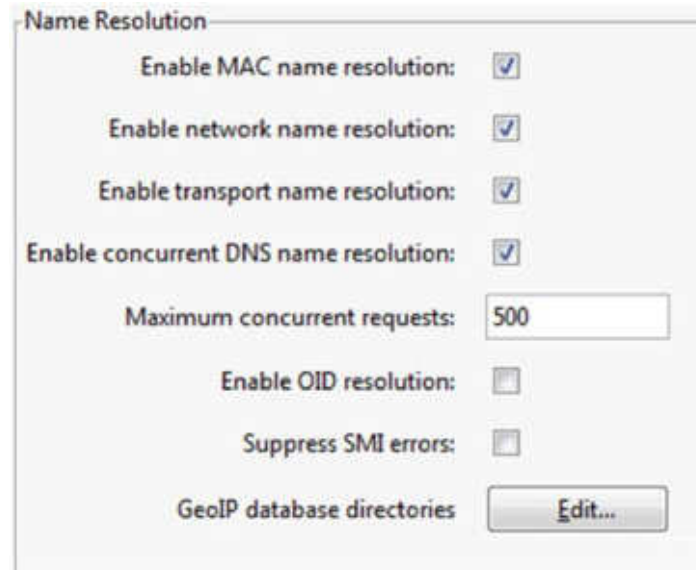
Sample Multiple Choice Question

What type of TCP scan would this filter display?

```
(tcp.flags.urg==1) && (tcp.flags.push==1)
&& (tcp.flags.fin==1)
```

- A. IP scan
- B. Xmas scan
- C. stealth scan
- D. half-connect scan

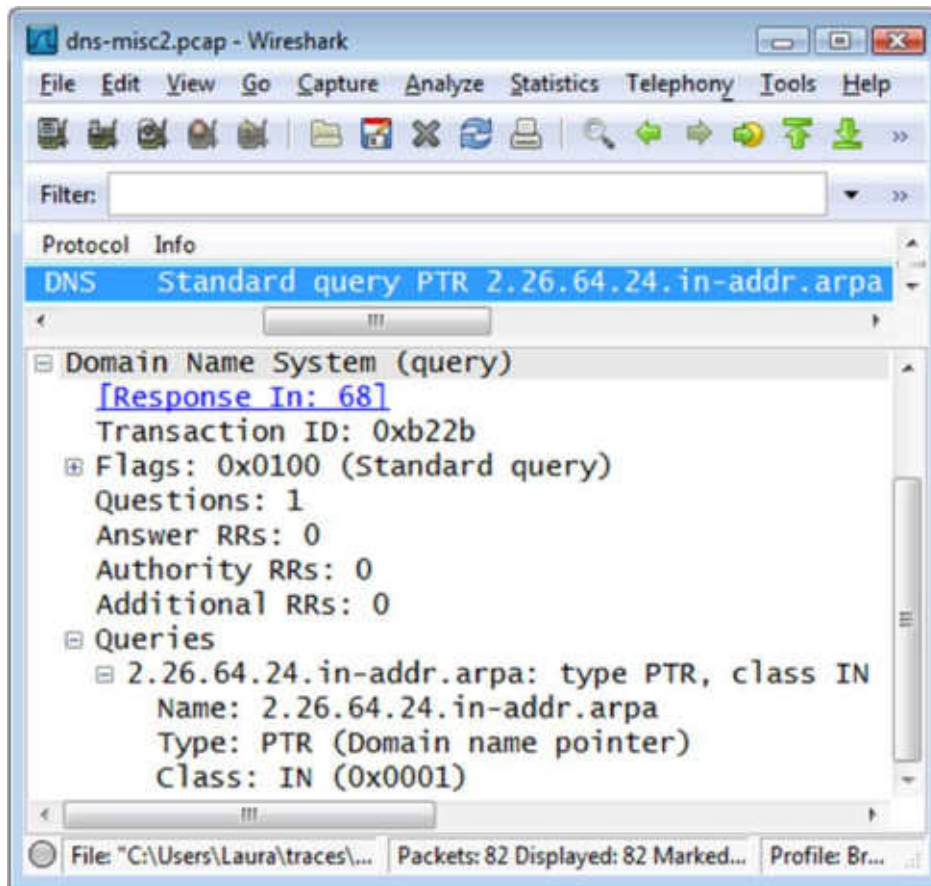
Sample Multiple Choice Question (with image)



Which statement about the Preferences setting shown above is correct?

- A. Wireshark may generate DNS PTR queries to resolve host names.
- B. Wireshark may generate port queries to ietf.org to resolve transport names.
- C. Wireshark may generate OUI queries to ieee.org to resolve MAC addresses.
- D. Wireshark may generate mDNS queries to resolve 500 host names simultaneously.

Sample Multiple Choice Question (with image)



Which statement about the DNS packet shown is correct?

- A. This is an inverse DNS query.
- B. This is a DNS response packet.
- C. This DNS packet indicates that a domain name could not be resolved.
- D. This is a request to resolve the IP address 2.26.64.24.

Sample True/False Question

A Window Update packet contains no data, but indicates that the sender's TCP window size field value has decreased.

- True
- False

What if I Have Questions?

- Visit us online
 - www.wiresharktraining.com/certification
- Contact us
 - info@wiresharktraining.com
 - Phone: +1 408-378-7841
 - Fax: +1 408-378-7891



Q&A Time

Thank you for joining me today



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