Wireshark Certified Network Analyst™ Program

Laura Chappell, Wireshark University
info@wiresharktraining.com
www.wiresharktraining.com

WIRESHARK UNIVERSITY

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

WIRESHARK®
CERTIFIED
NETWORK ANALYST

Contents

- Certification Process

- Certification Maintenance

- Wireshark Certified Network Analyst Online Portal

- Registering for the Exam

- Sample Exam Questions

- Q & A

The Certification Process

WIRESHARK
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The Certification Process

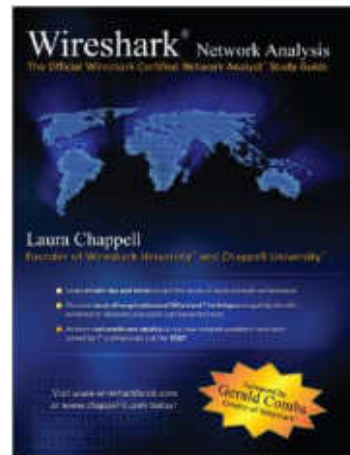Pre-Certification (Study/Prepare) → Certification Process → Certification Maintenance → Recertification Process

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The Certification Process

Pre-Certification (Study/Prepare) → **Certification Process** → **Certification Maintenance** → **Recertification Process**

Wireshark University Authorized Training Partner Courses

Study Guide

Exam Prep Guide

On-the-Job Study

Practice Exam

WIRESHARK UNIVERSITY™
Authorized Training Partner

Global Knowledge.
www.globalknowledge.com

CHAPPELL UNIVERSITY
www.chappellU.com

SCOS
www.scos.nl

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The Certification Process

Pre-Certification (Study/Prepare)	Certification Process	Certification Maintenance	Recertification Process

Wireshark University Authorized Training 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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The Certification Process

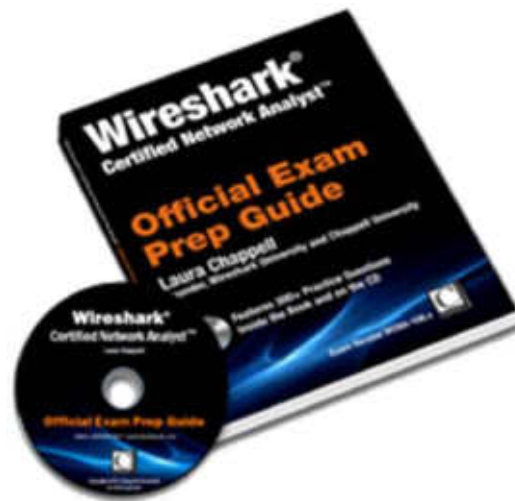| Pre-Certification (Study/Prepare) | Certification Process | Certification Maintenance | Recertification Process |

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Study Guide

Exam Prep Guide

On-the-Job Study

Practice Exam

10-digit ISBN: 1-893939-98-7
13-digit ISBN: 978-1-893939-98-1
Paperback: 202 pages (includes CD)
Book URL: www.wiresharkbook.com/epg
Released: August 2010
Sold through Amazon.com

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www.webassessor.com/pai

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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 Chappell University (www.chappellU.com). 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 website.

Getting Started

1. Create a new account by clicking here.
2. Login to your account.
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Register and take the Exam at
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80 countries and almost 500 testing centers worldwide

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

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Your Welcome Kit

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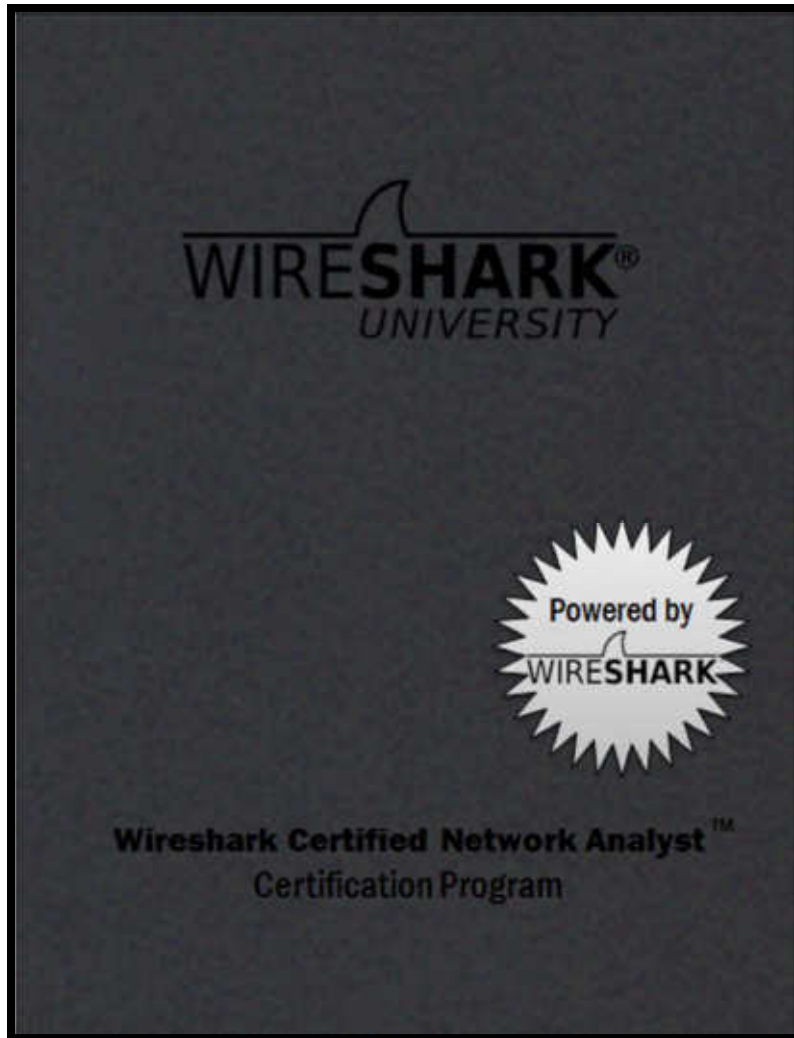
The Certification Process

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

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

WIRESHARK CERTIFIED
NETWORK ANALYST

The Certification Process

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Register and take the current Exam
- Latest version of Wireshark
- Latest Exam objectives
- Updated technologies
- Updated methods

WIRESHARK CERTIFIED NETWORK ANALYST

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

WIRESHARK® CERTIFIED NETWORK ANALYST

Certification Maintenance

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Certification Maintenance

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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

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Manual CPE Submission Process
www.wiresharktraining.com/cpe

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

Your Online Portal

Certification Maintenance

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WIRESHARK CERTIFIED NETWORK ANALYST

The Wireshark Certified Network Analyst Process

Pre-Certification (Study/Prepare)	Certification Process	Certification Maintenance	Recertification 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

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The Online Portal

WCNA Online Portal

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

Provided training meets requirements by third-party certification programs.

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

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

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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.

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ASSESSMENT REGISTRATION

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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

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WIRESHARK CERTIFIED NETWORK ANALYST

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

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Thirty-Three Specific Sections

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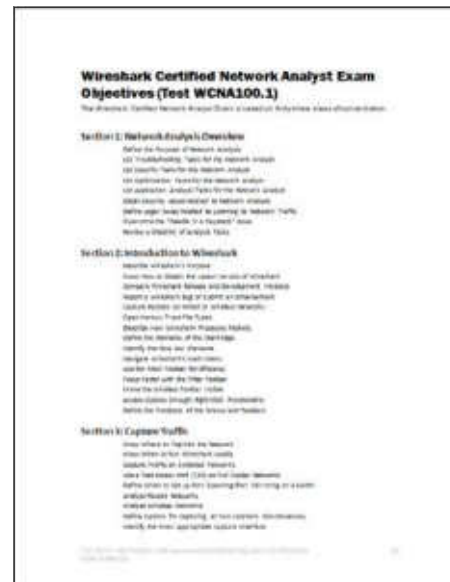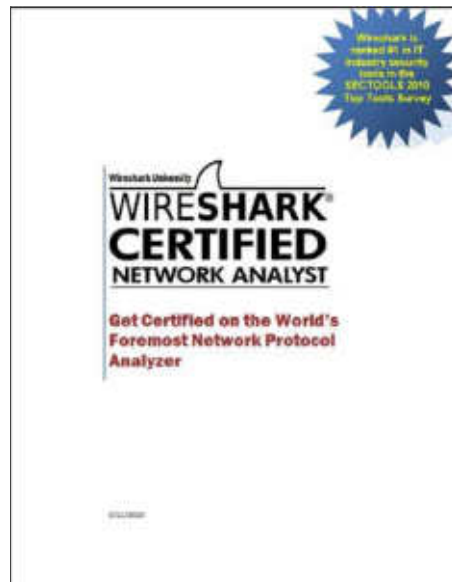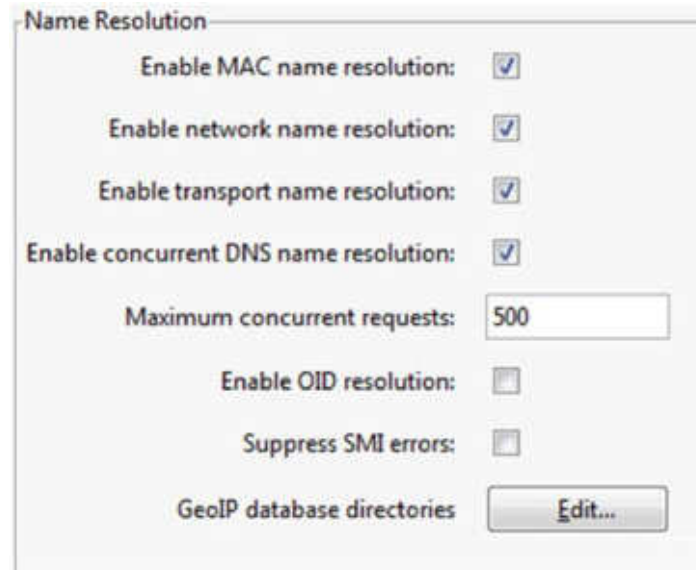
Sample Multiple Choice Question

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

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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.

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Sample Multiple Choice Question
(with image)
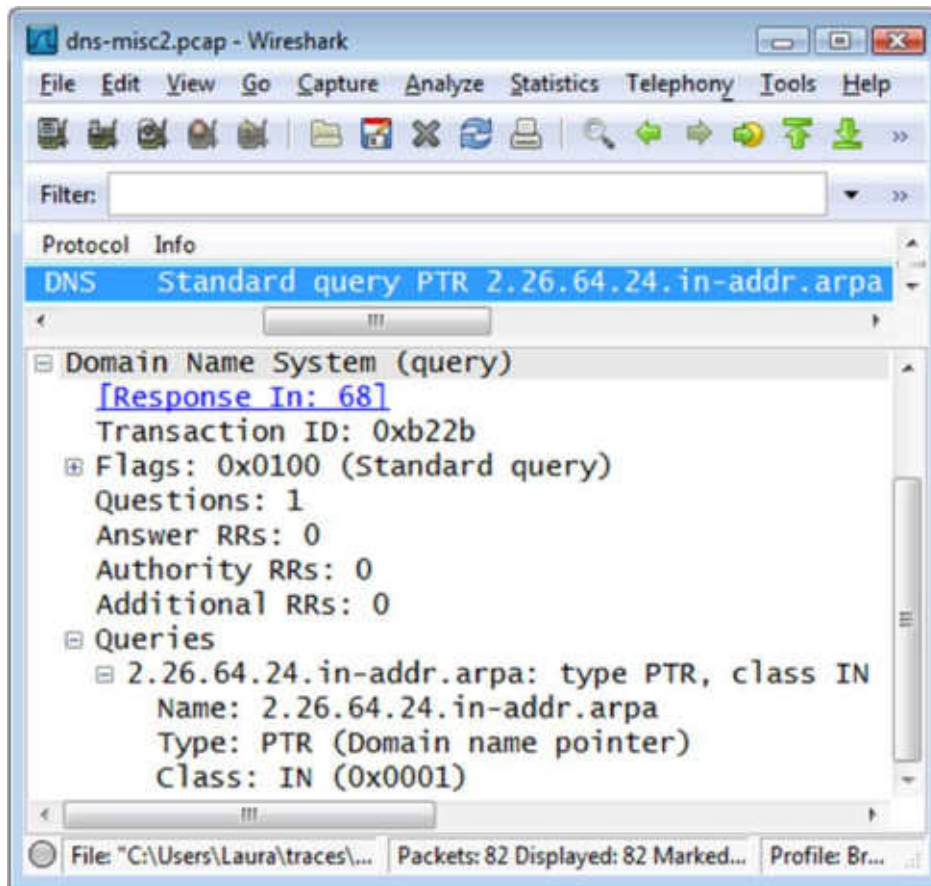
Which statement about the DNS packet shown is correct?

✓   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

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What if I Have Questions?

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  - www.wiresharktraining.com/certification

- Contact us
  - info@wiresharktraining.com
  - Phone: +1 408-378-7841
  - Fax: +1 408-378-7891

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Q&A Time

Thank you for joining me today

Laura Chappell, Wireshark University
info@wiresharktraining.com
www.wiresharktraining.com