

Cisco Support Community

Expert Series Webcast

Troubleshooting with Speed and Confidence for Network Engineers

Kevin Wallace, CCIEx2

June 23, 2015

#### Upcoming Expert Series Webcast

## Cisco FirePOWER Threat Defense for Integrated Services Routers (ISR)

July 8th, 2015

In October 2013 Cisco acquired Source Fire, and has integrated Source Fire in the ASA platforms as well as in the ISR platforms.

In this session you will learn about Source Fire company history, the rebranding of Source Fire as FirePOWER Services and how to use FirePOWER effectively on the ISR G2 and 4K platforms on the UCS-E blade to secure the network from attacks and malware.



Kureli Sankar

https://supportforums.cisco.com/event/12534921/live-expert-webcast-firepower-threat-defense-integrated-services-routers-isr



### Ask the Expert Events – Active

Now through July 3rd

Configuring and Troubleshooting MPLS Traffic-Eng on Cisco IOS and IOS XR. Learn and ask questions about Configuring and Troubleshooting MPLS Traffic-engineering on Cisco IOS and IOS XR router to maximize network resource utilization with expert Vinit Jain

Social Miner (Implementation, deployment and troubleshoot) and Integration with Contact Center hosted by Cisco Expert, Arundeep Nagaraj



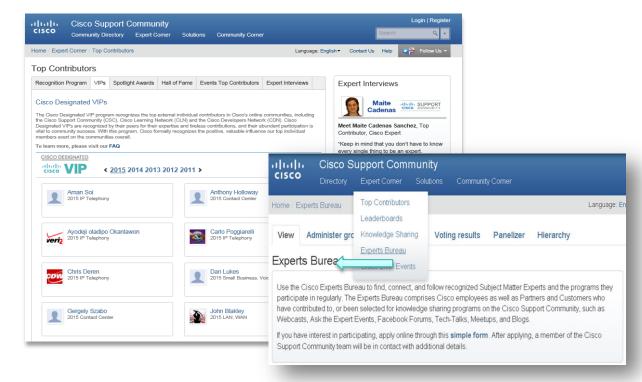




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https://supportforums.cisco.com/blog/154746

#### Cisco Support Community Expert Series Webcast

### Kevin Wallace, CCIEx2 (R/S and Collaboration) #7945

- Today's first featured expert is Kevin Wallace, a Certified Cisco Systems Instructor (CCSI #20061), and he also holds multiple Cisco professional and associatelevel certifications in the Routing/Switching, Collaboration, Security, Design, and Data Center tracks. <a href="http://kwtrain.com">http://kwtrain.com</a>
- Ask your questions now in the Q&A window











# Meet Your Question Managers

Vinit Jain, CCIEx4 (R/S, SP, Security, Data) #22854











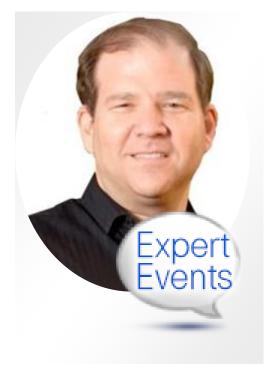


#### Ask the Expert Event following the Webcast

Now through July 3, 2015

Kevin will be continuing the discussion in an Ask the Expert event. So if you have more questions, please visit the Expert Corner > Events on the Cisco Support Community

https://supportforums.cisco.com/discussion/12534966/ask-expert-troubleshooting-speed-and-confidence-kevin-wallace







If you would like a copy of the presentation slides, click the PDF file link in the chat box on the right or go to:

https://supportforums.cisco.com/document/12535016/webcast-slidestroubleshooting-speed-and-confidence-network-engineers







#### Submit Your Questions Now!

Use the Q & A panel to submit your questions and the panel of experts will respond.

Please take a moment to complete the survey at the end of the webcast



## Troubleshooting with Speed and Confidence for Network Engineers

Cisco Support Community Expert Series Webcast

Kevin Wallace, CCIEx2

CCIEx2, Cisco Press Author June 23, 2015

### Agenda





#### Polling Question 1

# How often do you troubleshoot your network?

Every day.

Every few days.

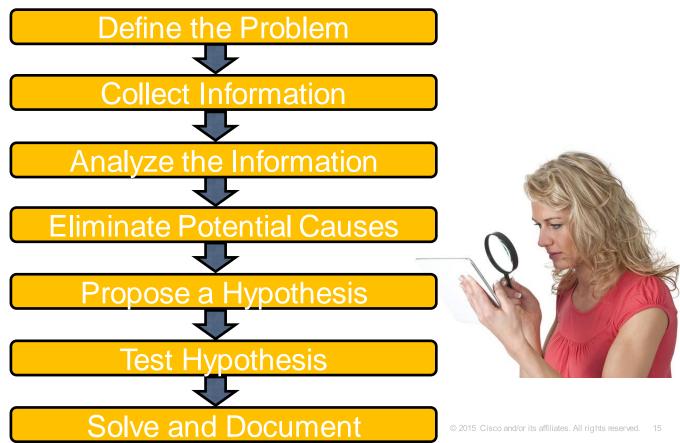
Just a few times a month.

Someone else is responsible for troubleshooting.



## Ine 7-Step Troubleshooting Methodology

#### The 7 Steps





#### Define the Problem

- Problem Report
- Verify
- Create Trouble Ticket
- Assign Trouble Ticket





#### Collect Information

Create a Plan

Identify Targets

Identify Tools

Gain Access

Collect Information





#### Analyze the Information





#### Eliminate Potential Causes

- Question Assumptions
- List Possible Causes





### Propose a Hypothesis

- Identify Most Likely Cause
- Gain Access







### Test Hypothesis

- Balance Impact with Urgency
- Document a Rollback Plan

Implement Proposed Solution

Check Result



#### Solve and Document

- Implement Solution
- Document Solution
- Close Trouble Ticket





# Reigning in show Command Output

## Demo

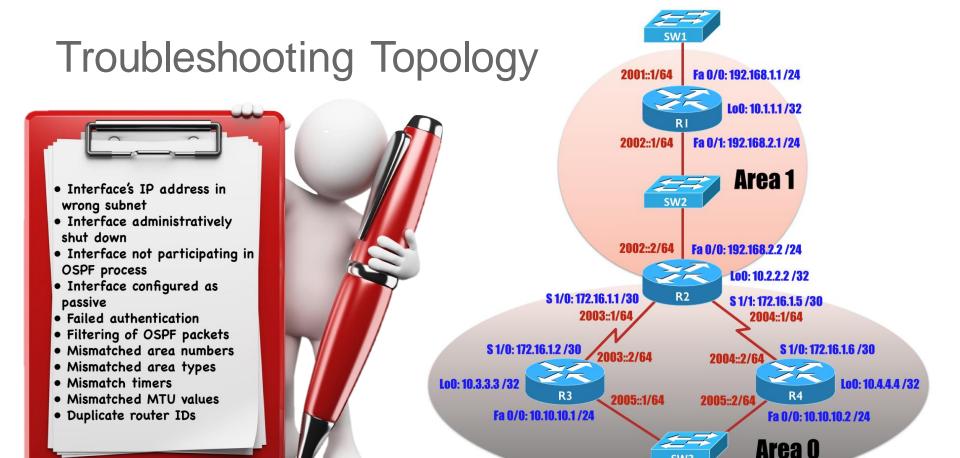
# Troubleshooting Class Exercise #1

#### Polling Question 2

### What might prevent an OSPF neighborship from forming?

Type in your answers.







## Demo

# Troubleshooting Class Exercise #2

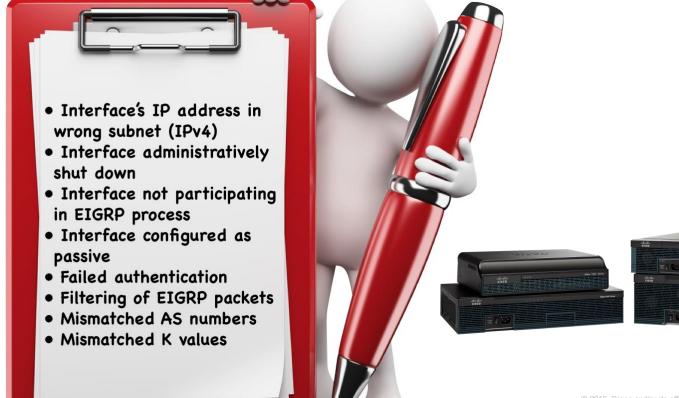
#### Polling Question 3

### What might prevent an **EIGRP** neighborship from forming?

Type in your answers.



### Troubleshooting EIGRP



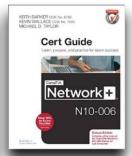
## Demo

## Kevin's Books and Videos

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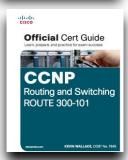
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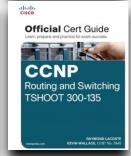
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#### Submit Your Questions Now!

Use the Q & A panel to submit your questions and our expert will respond



# 8. <u>8.</u>

#### kwtrain.com/success





## Keep in Touch with Kevin















linkedin.com/in/kwallaceccie google.com/+KevinWallace



# Collaborate within our Social Media

## Learn About Upcoming Events



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# Cisco has support communities in other languages!

If you speak Spanish, Portuguese, Japanese, Russian or Chinese we invite you to participate and collaborate in your language





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https://supportforums.cisco.com/community/spanish

#### **Portuguese**

https://supportforums.cisco.com/community/portuguese

#### **Japanese**

https://supportforums.cisco.com/community/csc-japan

#### Russian

https://supportforums.cisco.com/community/russian

#### Chinese

http://www.csc-china.com.cn

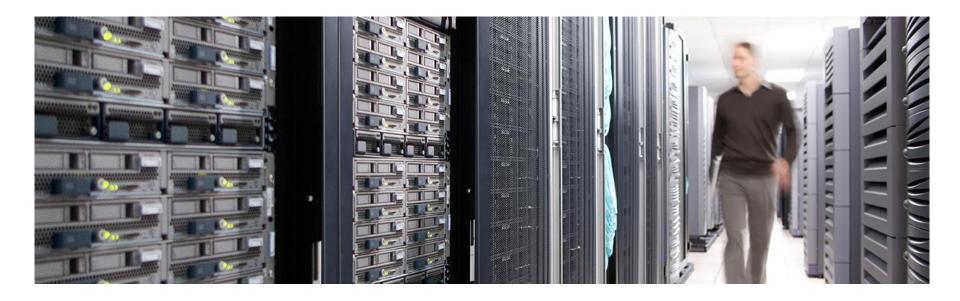




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#### Please take a moment to complete the survey

Thank you for Your Time!



## CISCO TOMORROW starts here.