Workshop Overview & Background

Tim Polk, NCCoE

Overview

- Operational Notes
- Background & Motivations
- Workshop Format
- Goals

Operational Notes

- This is the NCCoE's second attempt at our first fully virtual workshop
  - Presentations were pre-recorded, but Q&A will be live
  - The complexity of the composed system and our inexperience with certain tools slowed troubleshooting in the first pass

- As with the first workshop, we appreciate attendees using the chat feature to keep us informed of any issues

- We are also interested in general thoughts on formats, tools and overall experience after the workshop
  - Please direct post-workshop thoughts to **nccoe_events@nist.gov**

- Enterprises depend upon TLS to secure traffic within the enterprise

- Enterprises also depend upon collection and decryption of TLS protected traffic to:
  - Achieve compliance with regulations and industry standards
  - Implement security requirements
  - Meet operational needs

- Security enhancements incorporated in TLS 1.3 will preclude popular mechanisms for achieving visibility into TLS protected traffic

- The IETF considered these requirements, but determined that proposed changes to TLS preserving visibility were incompatible with the SDO's goals, and could be achieved through other means

- Loss of visibility is not unique to TLS-based applications. Widely used protocols are subject to continuous enhancement, so loss of visibility will continue.
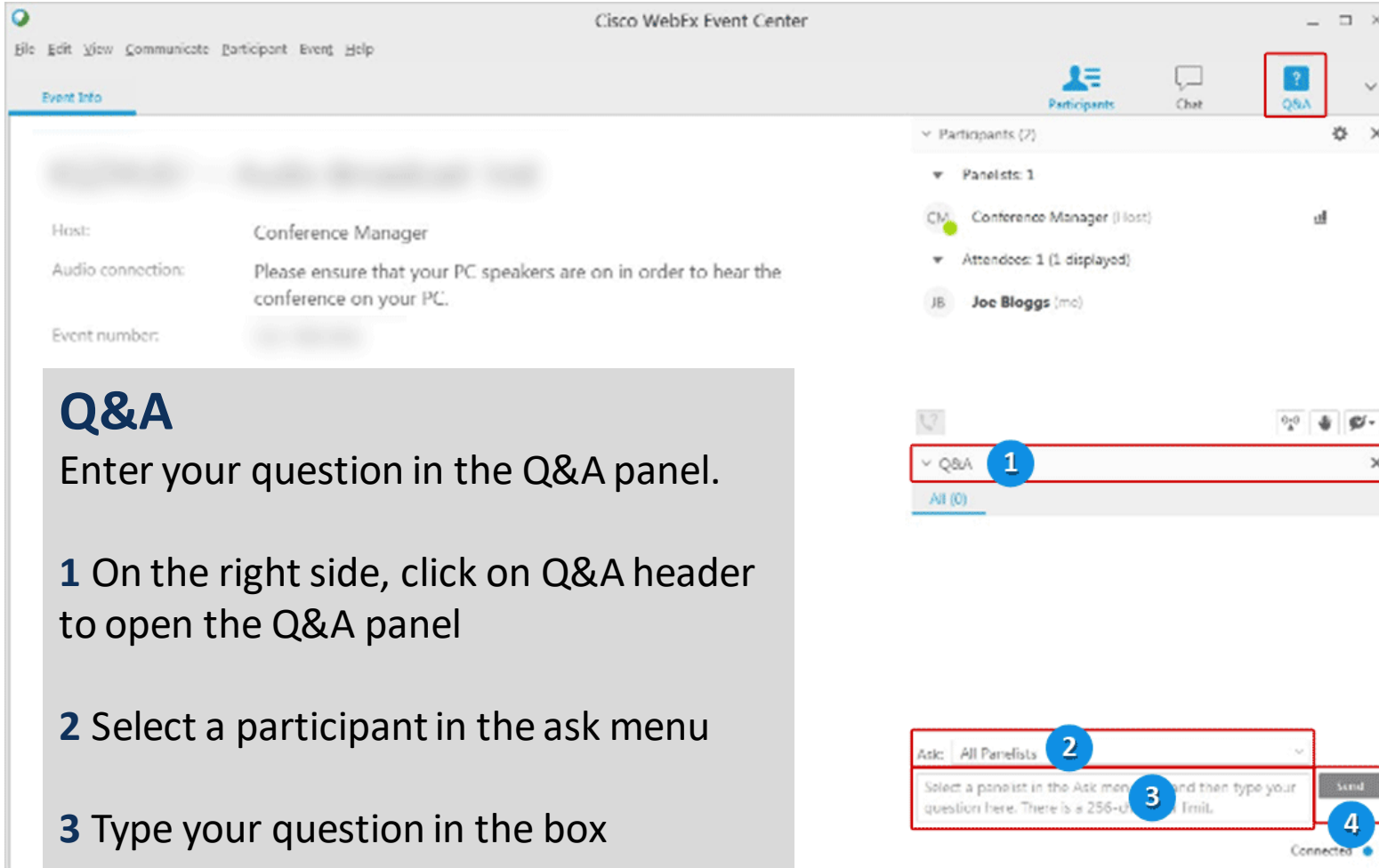
Workshop Goals

- The NCCoE wishes to demonstrate and document a range of solutions to maintain Enterprise visibility to meet common enterprise challenges in compliance, operations, and security

- By holding this workshop, we hope to gain insight into the types of solutions where an NCCoE demonstration project and documentation would most benefit the community

- The workshop is organized into three sessions:
  - Session 1: Background information
  - Session 2:
    - Challenges enterprises commonly address through visibility into TLS sessions, including:
      - Compliance;
      - Operations; and
      - Security
    - Scenarios for examination and demonstration of solution
  - Session 3: A range of solutions to help enterprises meet those challenges
- Each session ends with a Q&A period

Feedback & Questions

Q&A

Enter your question in the Q&A panel.

1 On the right side, click on Q&A header to open the Q&A panel

2 Select a participant in the ask menu

3 Type your question in the box
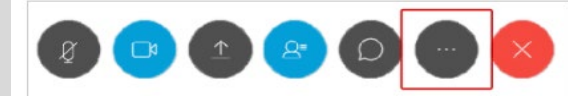
4 Click **send** or **send privately**
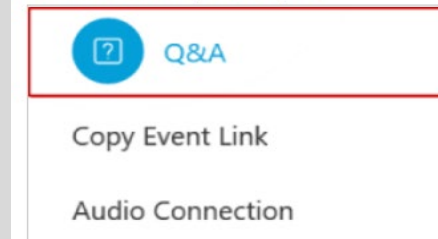
Q&A
Alternate way to use

1 In the toolbar at the bottom, click on the 3-dot button

2 On the menu, click Q&A

3 Type your question in the box

4 Click **send** or **send privately**

Questions and feedback may be submitted via Webex Q&A during the presentations.

Questions will be addressed at the end of each session as part of a moderated discussion.

Thank you!