

The background is a vibrant, abstract graphic. It features a central bright white light source from which numerous colorful rays emanate, creating a sunburst effect. The rays transition through a spectrum of colors including yellow, orange, red, and various shades of blue and green. Overlaid on this are large, flowing, wavy shapes in similar colors, giving the overall image a sense of motion and energy.

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Let's go

#CiscoLive



The bridge to possible

# Dynamic custom dashboards w/PowerPoint

Programmatically driving slide updates from data!

Ray Stephenson, Sr Director  
Head of Developer Relations  
DEVNET-1111



# Cisco Webex App

## Questions?

Use Cisco Webex App to chat with the speaker after the session

## How

- 1 Find this session in the Cisco Live Mobile App
- 2 Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until June 9, 2023.



<https://ciscolive.ciscoevents.com/ciscolivebot/#DEVNET-1111>

# Agenda

- Motivation
- Step by step
- Demo
- Try it yourself!
- Conclusion

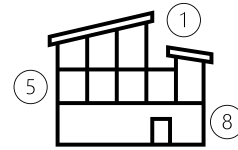
# Motivation

*“If only I could create dashboards  
like Cisco does at Cisco Live...”*

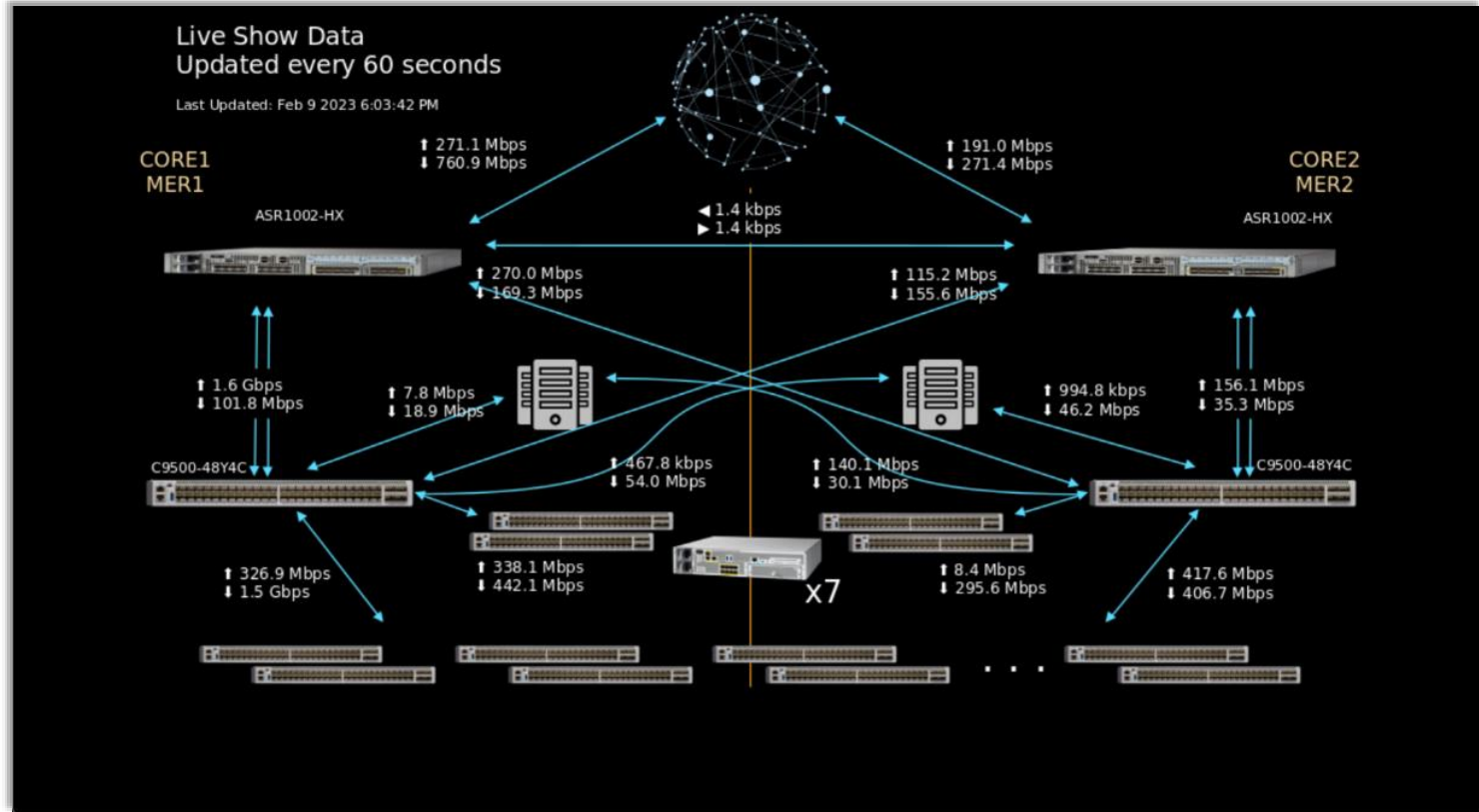
Cisco Live attendee  
Company XYZ

# Tools and outputs

- Vendor-supplied dashboards – good if you want what they give
- Graphing packages – good if you want lots of charts
- But what if you want to use pictures with data overlay?



# From the NOC display at Cisco Live Europe 2023





# Wireless clients by floor of building



**RTP10 Total: 35**



# Step by step

# Step by step

1. Pick data: choose data that changes frequently
2. Design your slide(s)
3. Add data placeholders
4. Program placeholder update with current data\*
5. Go live
6. Wait...run step 4 again

\*where the magic happens

# Godzilla\* metrics

Timestamp	Label	Value
1	Buildings destroyed	0
2	Buildings destroyed	2
3	Buildings destroyed	7
4	Buildings destroyed	11
..	..	..
42	Buildings destroyed	24

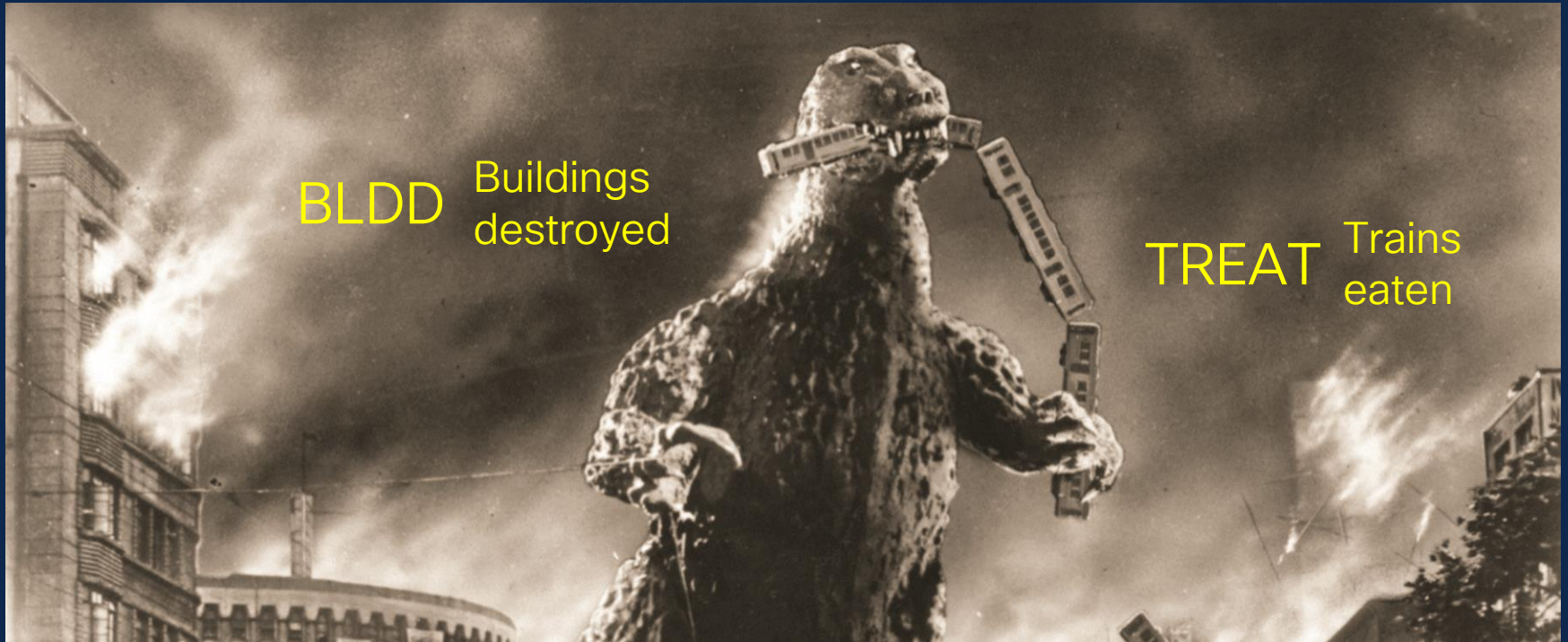
*\*Godzilla's Japanese name, Gojira (ゴジラ), comes from a combination of the Japanese approximation of "gorilla" (ゴリラ gorira), and kujira (クジラ), the Japanese word for "whale."*

# Design your slide





# Add data placeholders



# Process your data replacements



# Processing steps

- Unzip slide file
- Replace placeholders with actual data from any source
- Repackage into slides
- Export slide(s) as .PNG
- Use image files to update a web page
- Web page now shows update on next refresh





# Demo

# Let's revisit: Step by step

1. Pick data: choose data that changes frequently
2. Design your slide(s)
3. Add data placeholders
4. Program placeholder update with current data\*
5. Go live
6. Wait...run step 4 again

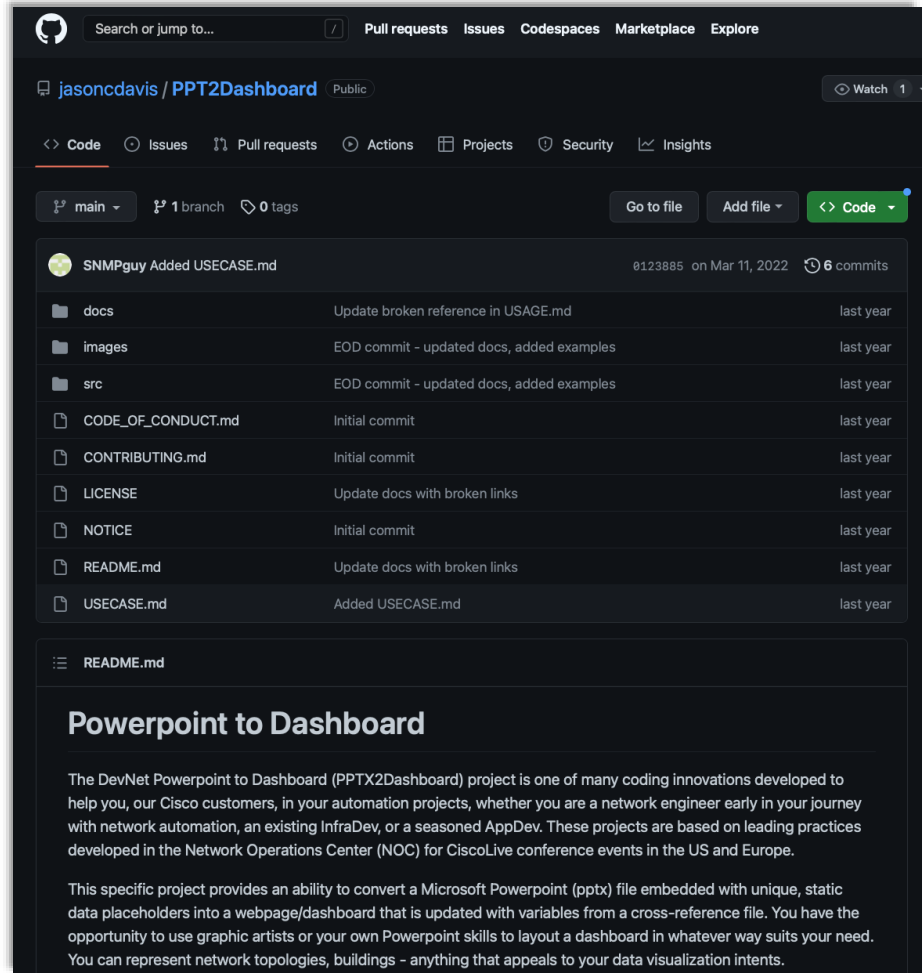
\*where the magic happens

# Try it yourself

# Jason Davis solution

- Complete working sample
- Self-install or docker image
- Open-source parts
  - Ubuntu Linux
  - Python
  - LibreOffice
  - Apache

<https://github.com/jasoncdavis/PPT2Dashboard>



# Fill out your session surveys!



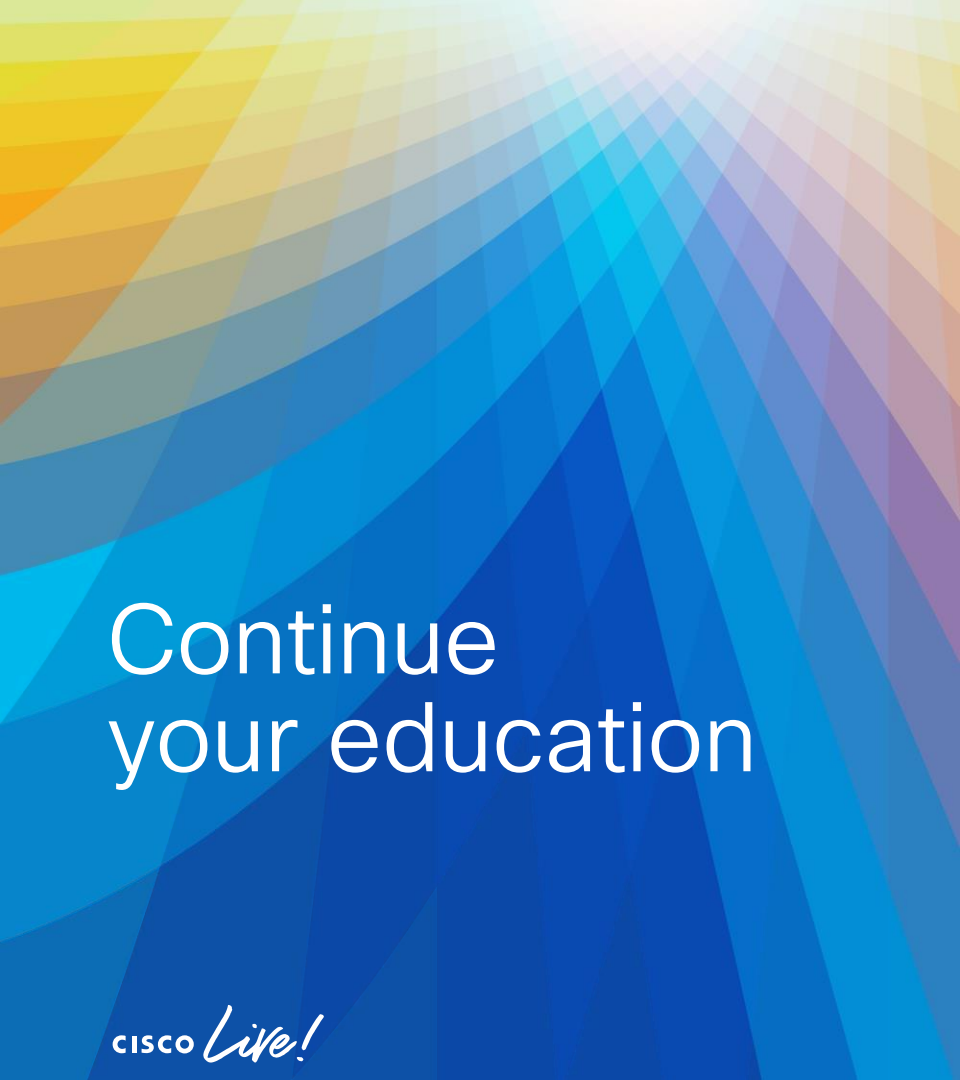
Attendees who fill out a minimum of four session surveys and the overall event survey will get **Cisco Live-branded socks** (while supplies last)!



Attendees will also earn 100 points in the **Cisco Live Challenge** for every survey completed.



**These points** help you get on the leaderboard and increase your chances of winning daily and grand prizes



# Continue your education

CISCO *Live!*

- Visit the Cisco Showcase for related demos
- Book your one-on-one Meet the Engineer meeting
- Attend the interactive education with DevNet, Capture the Flag, and Walk-in Labs
- Visit the On-Demand Library for more sessions at [www.CiscoLive.com/on-demand](https://www.CiscoLive.com/on-demand)

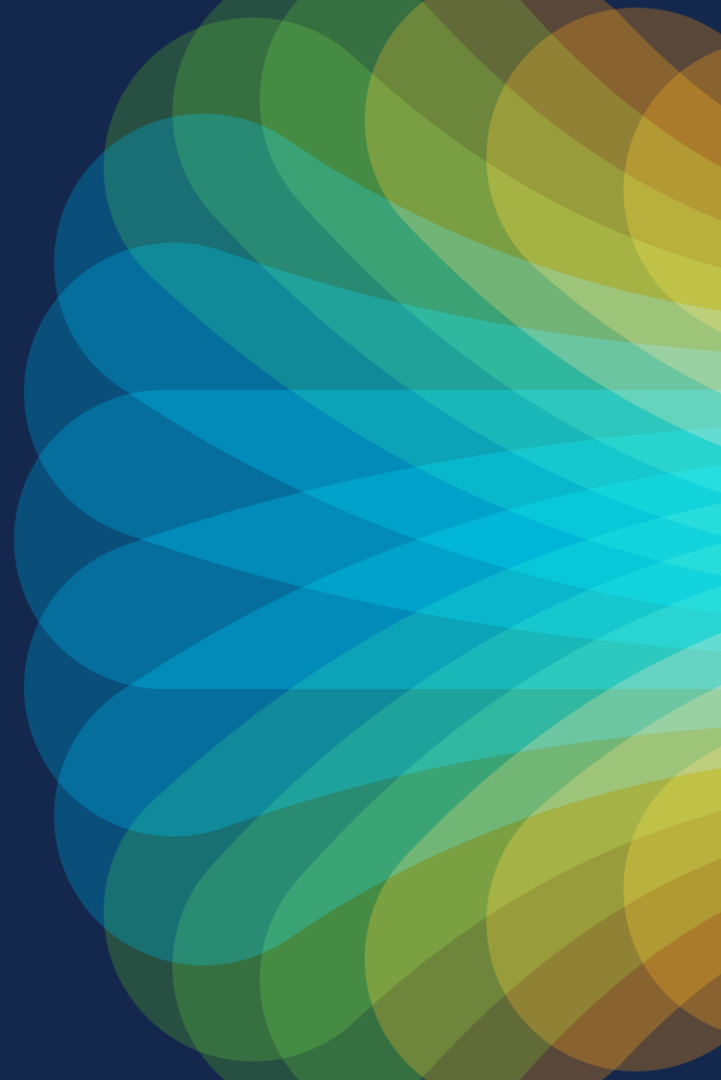


The bridge to possible

# Thank you

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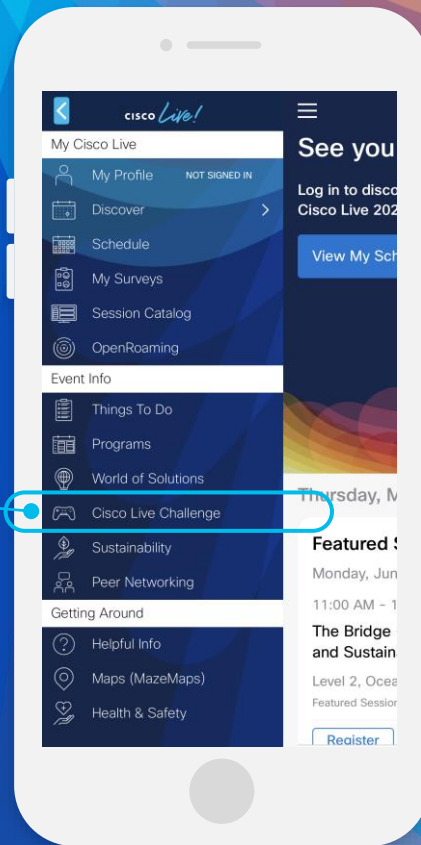
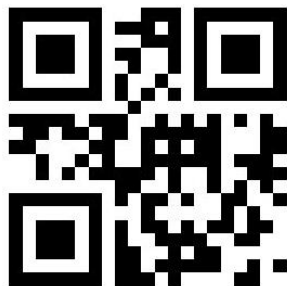


# Cisco Live Challenge

Gamify your Cisco Live experience!  
Get points for attending this session!

## How:

- 1 Open the Cisco Events App.
- 2 Click on 'Cisco Live Challenge' in the side menu.
- 3 Click on View Your Badges at the top.
- 4 Click the + at the bottom of the screen and scan the QR code:





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Let's go

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