

Tweet at Us!

#mozilla

#DevRoadshow

TAKE 1 MIN to fill out our survey... and be entered to win sweet swag.

mzl.la/roadshowfeedback

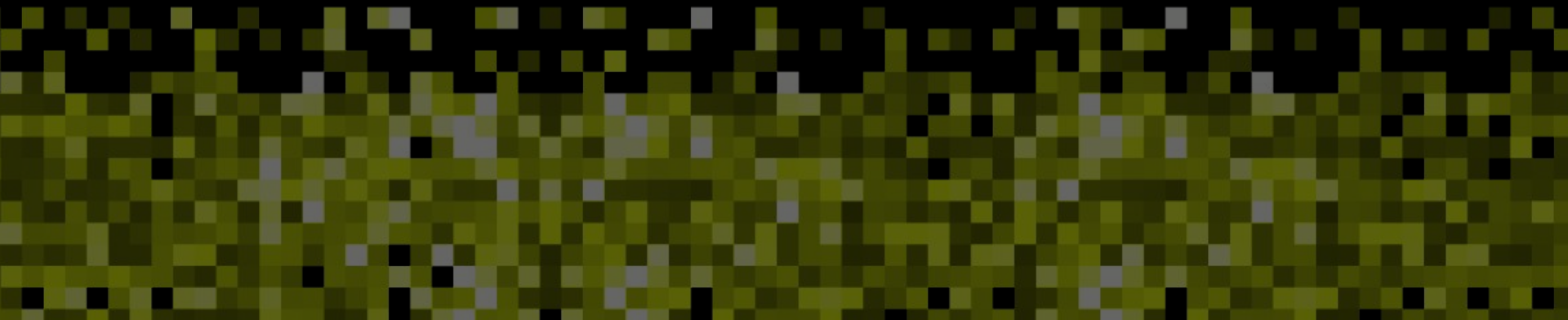
Tell us what you think!

moz://a

Developer Roadshow

2017

SINGAPORE | 19 SEPTEMBER, 2017



Overview

Hi.

**We're Mozilla, the proudly non-profit
champions of the Internet, helping to keep it
healthy, open and accessible to all.**

Me.

I am Ali Spivak

I work at Mozilla

I work on Developer Outreach

Twitter [@alispivak](https://twitter.com/alispivak)



Speakers

David Bryant- **Emerging Technologies**

Jeremy Keith - **Evaluating Technology**

Hui Jing - **Web Design**

Vitaly Friedman - **Uncharted Responsive Design**

Fabien Benetou - **Web VR & A-Frame**

Code of Conduct

A primary goal of Mozilla's Developer Roadshow (Roadshow) is to be inclusive to the largest number of participants, with the most varied and diverse backgrounds possible. As such, we are committed to providing a **friendly, safe and welcoming environment for all**, regardless of gender, sexual orientation, ability, age, ethnicity, socioeconomic status, and religion (or lack thereof).

This Code of Conduct outlines our expectations for all those who participate in our conference community, as well as the consequences for unacceptable behavior.

We invite all those who participate in the Roadshow to help us create safe and positive experiences for everyone.

Please find the full text here: <https://mzl.la/devroadshowcoc>

And contact Sandra Persing (sandra@mozilla.com; @sandrapersing) for any issues, questions, concerns.

Get Involved with Mozilla!

- Contribute to the Code Base: https://mzl.la/developer_guide
- Participate in Outreachy Project: <https://wiki.mozilla.org/Outreachy>
- Start your webVR project w Mozillians: <https://mzl.la/campuswebVR>
- Come work with us: <https://careers.mozilla.org/>

Major Things Coming Soon in Firefox

Performance

1. Multi-process architecture
2. Quantum CSS - new CSS engine written in Rust runs in parallel across multiple CPU cores
3. Quantum Compositor
4. Active tab prioritization

Features

1. Refreshed Design ("Photon")
2. Container tabs
3. Web Extensions for add-ons
4. Activity Stream

Developer Tools

1. CSS Layout Panel
2. New design and themes
3. Hosting DevTools on GitHub as individual extensions, allowing faster updates and easier outside contributions

Firefox “Editions”

Nightly

Current Version: **57**

Updated: Daily, numbered version every 6 weeks

Experimental, more unstable, allows testing new features as they are added to the code.



Developer Edition/Beta

Current Version: **56**

Next update: September 26th (57)

Updated every 6 weeks, more stable than Nightly, gives 6 weeks to test new features



Release

Current Version: **55**

Next Update: September 28th (56)
November 14th (57)

Updated every 6 weeks, stable, consumer version.



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Me.

I am David Bryant

I work at Mozilla

I work on Emerging Technologies

Twitter [@david_bryant](https://twitter.com/david_bryant)

Emerging Technologies

Emerging Technologies develops new technology, product, and service areas that are impactful and sustainable, while continuing to strengthen our core business, Firefox.

Emerging Technologies and The Road to Firefox 57

- Rooted in the work of Mozilla Research
 - ◆ **Rust** programming language - “Fearless Concurrency”
 - ◆ **Servo** - Rust-based, high-performance browser engine
 - ◆ **WebAssembly** - virtual CPU inside your browser
 - ◆ **WebVR** and **A-Frame**
- “Project Quantum” - Key new technologies to dramatically enhance Firefox, emphasizing responsiveness & efficiency
 - ◆ **Stylo** - Servo’s CSS style system
 - ◆ **WebRender** - GPU-based rendering pipeline
- More to come - AV1, Augmented Reality, Speech

Opportunities

- Get Firefox Nightly today!
- Web Extensions for add-ons to Firefox
- Build VR experiences with A-Frame
 - ◆ And stay tuned for Mixed Reality with A-Frame too
- WebAssembly execution environment
 - ◆ Immersive experiences like Web Games
 - ◆ High-performance computation
 - ◆ Components from other programming languages
- Speech - Voice Fill in Test Pilot, Deep Speech & Common Voice

Emerging Technologies

WebVR Grants
WebAssembly MDN Web Docs **Servo**
Common Voice
Deep Speech **AV1** **Rust** Tech Speakers **A-Frame**
Project Things Emscripten
Stylo Things Gateway
Voice Fill **WebRender**
DevRel **Mixed Reality** Standards

<https://research.mozilla.org/>

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