What Code.gov Taught Us About Increasing Community Engagement

Joseph Castle, PhD

10/12/22

SAS

About Me

- Recently joined SAS Institute

- OSS developer, researcher, and advocate

- Led GSA Digital Service and federal government OSPO (Code.gov)

- GSA, Executive Office of The President, U.S. Army Veteran

- Fed100 and GitHub Star

- GitHub: @opensource-joe, LinkedIn: @jrcastle, Twitter: @jrcastle_vt
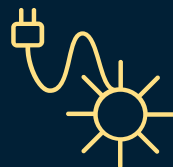
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46 Years of BUSINESS ANALYTICS

#1 Market Leader in AI & ADVANCED ANALYTICS

3.8 MILLION KWH renewable energy generated annually from **SOLAR INSTALLATIONS**

SAS deemed a **World's Most Innovative Company** (Fast Company March 2021)

OVER **11K** Employees worldwide

8 YEARS RUNNING Only vendor named leader in Gartner's Magic Quadrant for Data Science and Machine Learning Platforms

SAS recognized on People magazine's **COMPANIES THAT CARE** list in 2021

88 of the top **100** Companies on the GLOBAL LIST ARE SAS CUSTOMERS or their affiliates

FORTUNE 500

SAS recognized as leader in **more than 30** vendor ranking reports in 2021

96 % Net customer retention rate in 2021

Growing Partner Network of more than **2500**

80,000+ Customer sites in 150 countries

$3.2 billion REVENUE in 2021

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Best of Both Worlds

SAS

Open to users with varying technical background
Business analysts, executives, data scientists, etc.

Integrated analytics hub
One place for data, analytics, and deployment

Vetted algorithms
Rapid model creation / many techniques

Flexible, powerful architecture
In stream, in memory, in database, in cloud options

Ongoing technical support
Access to a network of experts

Reliability – Security – Scalability
Monitor, manage as much data & models as you need

Open Source

No lock-in
Switch between technologies as needed

Rapid Innovation
New algorithms being released frequently

Low cost barrier to entry
Free to download and start using

Ability to start small
Ability to "fail fast" and to do prototyping

High agility
Provides multiple ways to solve a problem
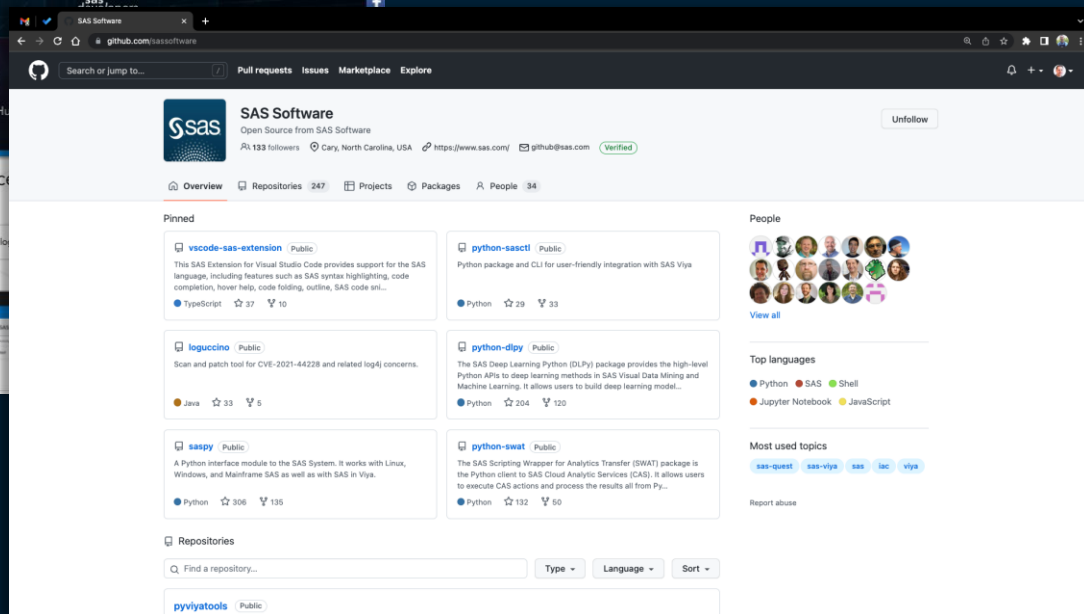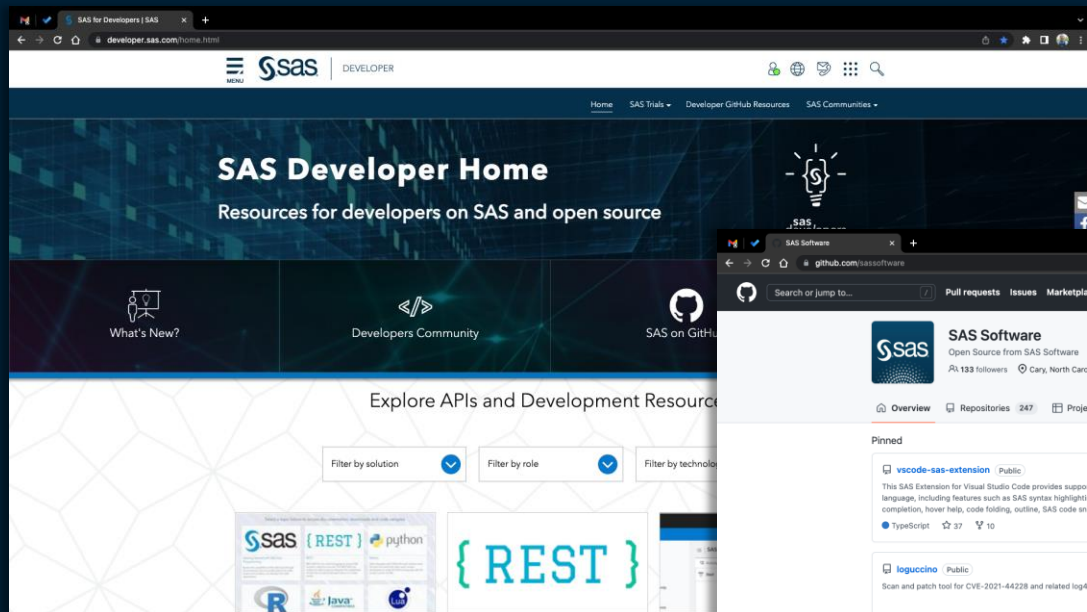
Active community
Many websites with contributing users

An integration of the two technologies, SAS and open source, unlocks a whole spectrum of analytics to different user backgrounds, stimulating the democratization of analytics.

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SAS & Open Source Software

Federal Source Code (1940 – 2018)

Grace Hopper's work at the Harvard Computational Laboratory was a precursor to open source software (OSS)

U.S. government funded labs using and modifying code

Academic institutions consisted of "hackers" creating software programs and games

Federal agencies consume OSS (e.g., Internet, mobile, and web technologies) but publish less

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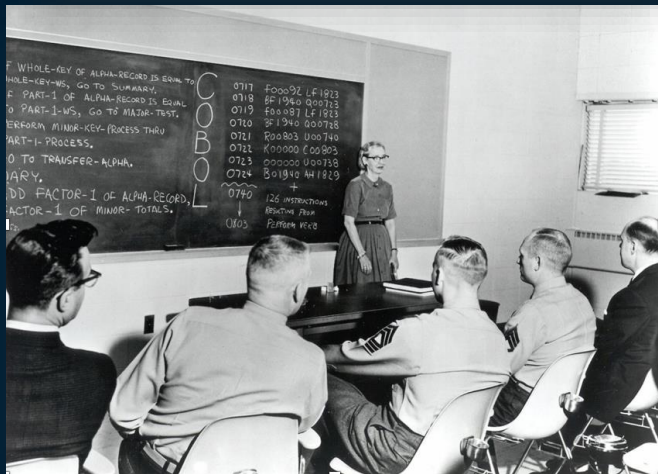
Federal Source Code Policy (FSCP)

Federal government spends $6B each year on software

In August 2016, the White House published the FSCP or M-16-21

Agencies develop source code policy, update acquisition language, and inventory code

Release at least 20% code as OSS

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code_

ABOUT   BROWSE PROJECTS   FEDERAL AGENCIES   DEVELOPERS   SOCIAL
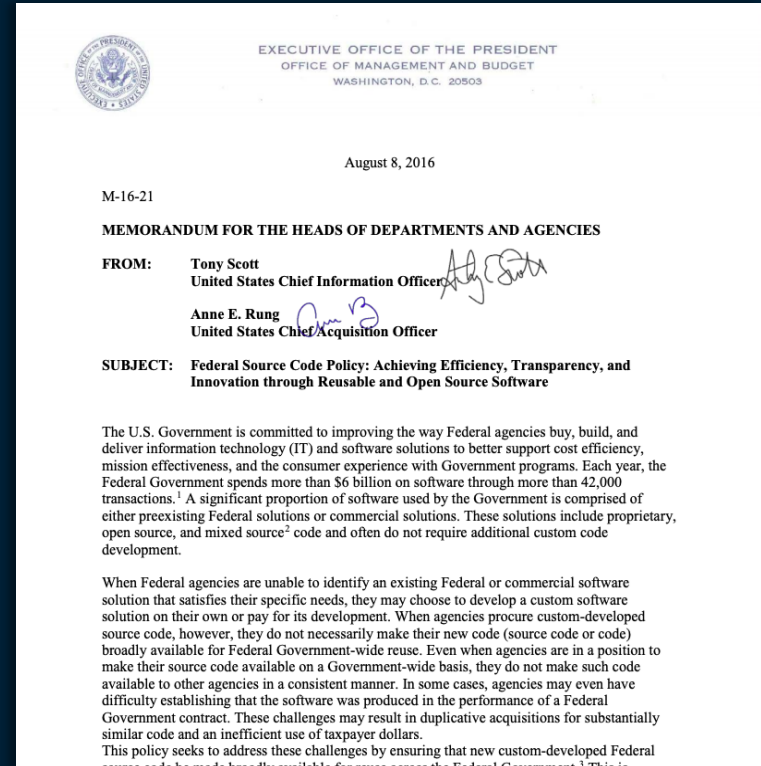
Sharing America's Code
Unlock the tremendous potential of the Federal Government's software.

FIND CODE
Search for federal open source software projects and usable code

| e.g. JavaScript, NASA, web standards | Go |

Developers

The Code.gov website is developed publicly on GitHub. Learn how to contribute here. Help improve America's Code by exploring Open Tasks.

Explore Open Tasks

Connect with Us

Have questions or feedback? Open an issue on our open source repository.

Want to receive our monthly newsletter?

Sign Up Here

Agency Partners

Federal agency partners use Code.gov to share usable open source code, promote open source projects, and track compliance with federal open source policy.
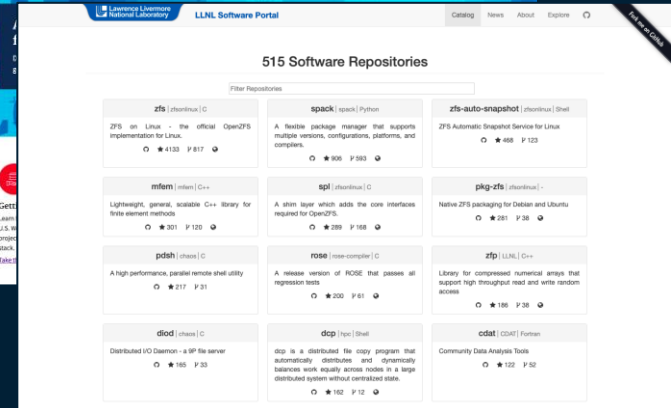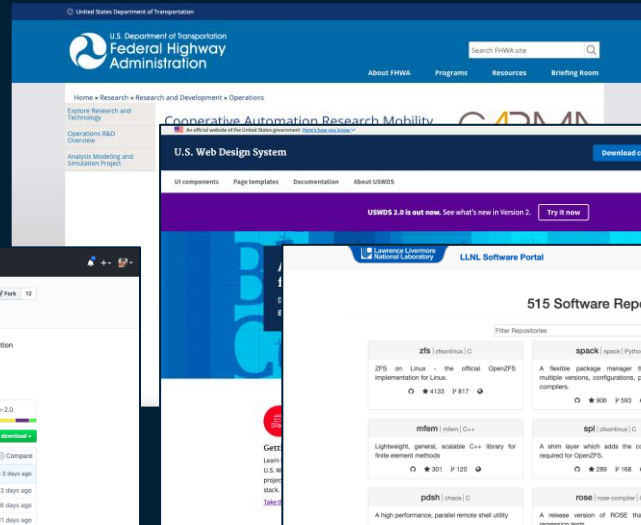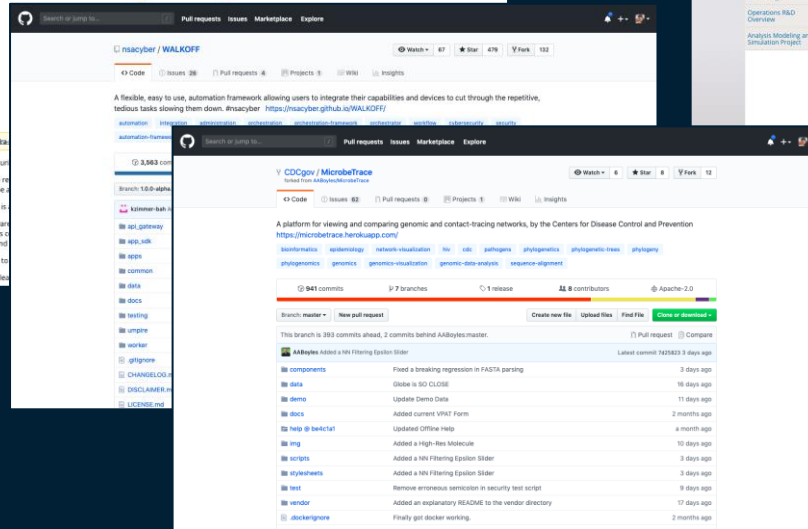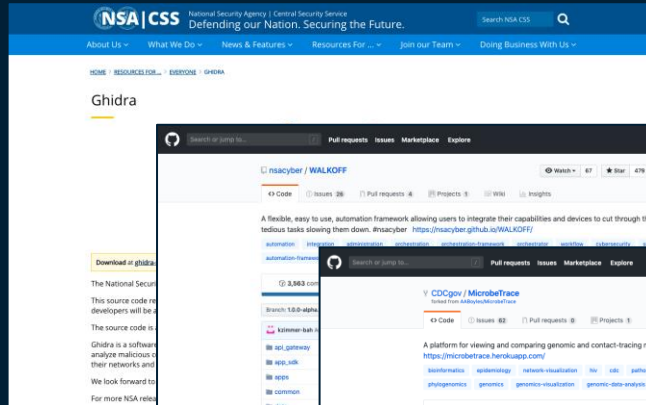
Compliance Dashboard

About Code.gov

Code.gov is the federal government's platform for sharing

Open Source News & Events

Projects on Code.gov

Community is the ♡ of open source

Human elements
- Make it easy
- Be responsive
- Build relationships
- Be inclusive
- Build careers
- Limit negativity

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Community is the ♡ of open source

Program elements
- Establish outreach
- Meet people
- Consider media
- Consider awareness
- Hold events
- Offer swag

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Community is the ♡ of open source

Repo elements
- Documentation
- Code of Conduct
- Contributing
- License & Readme
- Issue & PR templates
- Personal & Org

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Thank you!