Open Source Community Driven Development

- **A case study with the Ansible Community**

Red Hat & Intel Open Tour 2023

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Principal Community Architect @ Red Hat

ANSIBLE

$ whoami

... and a bit of who was I

- Software Engineer in Nokia (8.5 years)
- Community Chief in Jolla (3.25 years)
- Community Architect in Red Hat (7.67 years)
- lived on 3 continents, visited 42 countries
- orchestral timpanist/percussionist
- Matrix: @cybette:ansible.im
- Mastodon: @cybette@mastodon.org.uk

Once upon a time

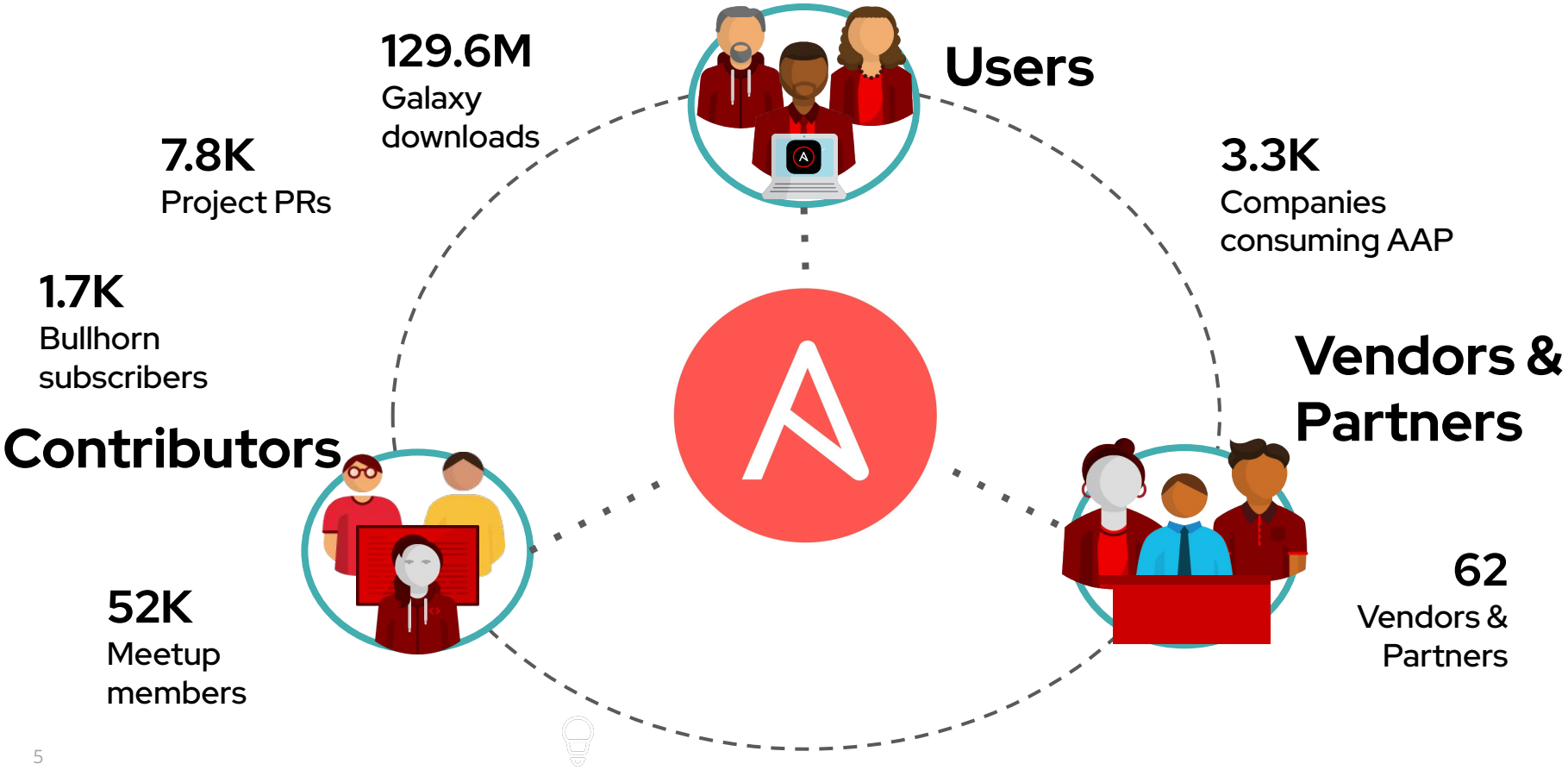
Source: https://en.wikibooks.org/wiki/QBasic/Sample_Programs

```
10
RANDOMIZE TIMER
cor = RND * 150
cor2 = CINT(cor)
IF cor2 < 30 AND cor2 > -30 THEN GOTO 10

PRINT "The object to hit is at coordinates"; cor2

INPUT "enter velocity"; v
INPUT "enter angle"; a
d = ((v ^ 2) * SIN(2 * a)) / 10
PRINT "Hit on:"
PRINT CINT(-d)

IF CINT(-d) < cor2 + 30 AND CINT(-d) > cor2 - 30 THEN
    PRINT "Well Done!"
ELSEIF CINT(-d) < 30 AND CINT(-d) > -30 THEN PRINT "Hey , you hit us!"
ELSE PRINT "Ugh, not on target"
  END IF
```

High School diploma

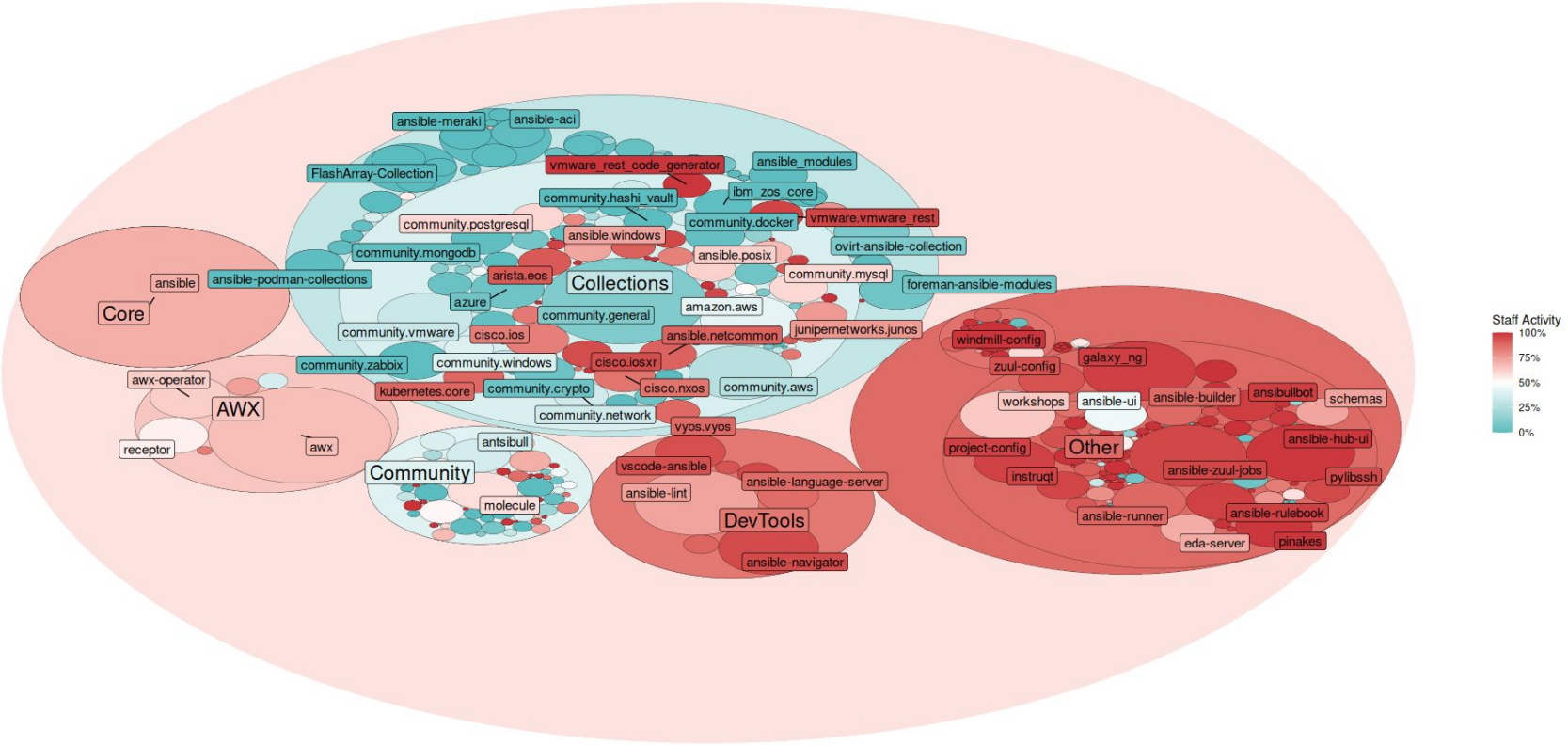
- Share code
- Learn from one another’s code
- Find ways to add features or improvements
- Contribute back
- Rinse and repeat
- PROFIT!

Ansible Community



Staff vs non-staff activity

Staff vs non-staff activity, per repo. Total staff: 57%



Source: PRs & Review Comments, last 3 years, via GitHub API

Ansible Community Steering Committee

- Established in 2021
- The Steering Committee mission is to provide continuity, guidance, and suggestions to the Ansible community to ensure the delivery and high quality of the Ansible package. In addition, the committee helps decide the technical direction of the Ansible project. It is responsible for approving new proposals and policies in the community, package, and community collections world, new community collection-inclusion requests, and other technical aspects regarding inclusion and packaging. The Committee should reflect the scope and breadth of the Ansible community.
- https://docs.ansible.com/ansible/latest/community/steering/community_steering_committee.html

Ansible Ecosystem

Ansible Ecosystem

Projects in the Ansible ecosystem let you expand automation to a virtually unlimited set of use cases.

Got thoughts or feedback on the new documentation landing pages? We want to hear from you!

Join us in the docs channel on Matrix or open a GitHub issue in the docsite repository.

Ansible collections

Ansible collections offer distributions of playbooks, roles, modules, and plugins.

- Collection index
- Find out how to use collections
- Learn how to contribute to collections
- Index of all modules and plugins

Ansible Language Server

Ansible Language Server implements language server protocol (LSP) to highlight and check Ansible syntax.

- Ansible Language Server documentation

https://docs.ansible.com/ecosystem.html

Ansible AWX

AWX provides a web-based user interface, REST API, and task engine built on top of Ansible.

AWX Operator

Ansible AWX Operator offers built-in intelligence and operational best practices for deploying on Kubernetes environments.

Community Working Groups

Working Groups are a way for Ansible community members to self-organize around particular topics of interest.

https://github.com/ansible/community/wiki

Welcome to the Ansible community wiki!

This is a collaborative space which serves as the *"community memory"*. It is actively used for planning and tracking progress of working groups, as well as module communities. As such, the information stored in this wiki is temporary/fluid in nature and requires regular updates to keep fresh and relevant.

Ultimately, it should provide new contributors or passing users insight in how we collaborate and, more importantly, how they can join and contribute more effectively.

Working groups

Working groups are a collective of people that share an interest in a specific technology domain and are empowered to support, review and merge code in Ansible.

Ansible project

- Community
- Contributor Experience -- *How to make life easier for Contributors*
- Docs
- News -- *Includes The Bullhorn*
- Outreach -- *Includes Events & Meetups*
- Release Engineering -- *Making Ansible Releases*
- Testing
- Diversity
- Contributor Summit

Cloud & VM

- **Cloud & VM** -- Meta, cross functional group
- AWS

Pages 165

Working groups

Ansible project:
Community, Contributor Experience, Docs, News, Outreach, RelEng, Testing

Cloud:
AWS, Azure, CloudStack, Container, *DigitalOcean*, Docker, hcloud, Kubernetes, Linode, OpenStack, oVirt, *Virt*, VMware

Networking:
ACI, AVI, F5, Meraki, **Network**, NXOS

Ansible Developer Tools:
Ansible-developer-tools

Software:
Crypto, *Foreman*, *GDrive*, GitLab, Grafana, *IPA*, JBoss, MongoDB, MySQL, PostgreSQL, *RabbitMQ*, *Zabbix*

System:
AIX, BSD, HP-UX, macOS, *Remote Management*, Solaris, Windows

Security:
Security-Automation, *Lockdown*

Tooling:
AWX, Galaxy, Molecule

Communities

Modules:
unarchive, xml

Plugins:
httpapi

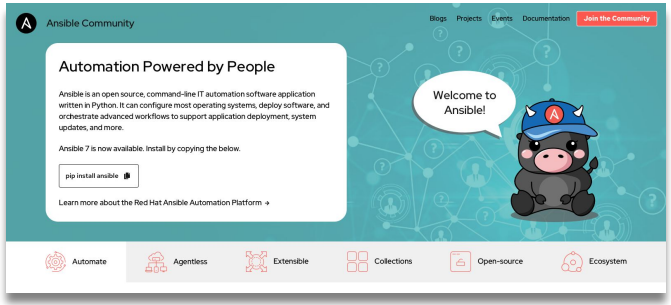
New Website and Forum

WIP Website:

https://ansible-community.github.io/community-website/

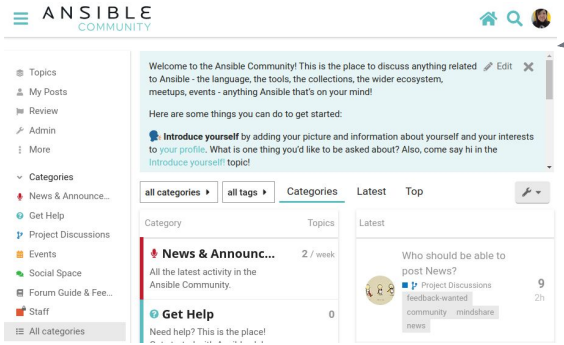
Community website repo:

https://github.com/ansible-community/community-website



Join the WG:

https://matrix.to/#/#website:ansible.com



Forum:

- Final testing and setting up the forum with Steering Committee and select team members
- Check out https://forum.ansible.com - just launched! (announcement next week)

The Bullhorn

Subscribe!

- https://bit.ly/subscribe-bullhorn

Contribute!

- join #social:ansible.com on Matrix, mention `newsbot` with your message/post

Upcoming events

Ansible Community Day

- September 20, 2023 (Wednesday)
- c-base, Berlin, Germany
- Info and registration: https://ansible-community-day-berlin-2023.eventbrite.com/
- ~~CFP (closes September 4): https://www.papercall.io/ansible-community-day-berlin-2023~~

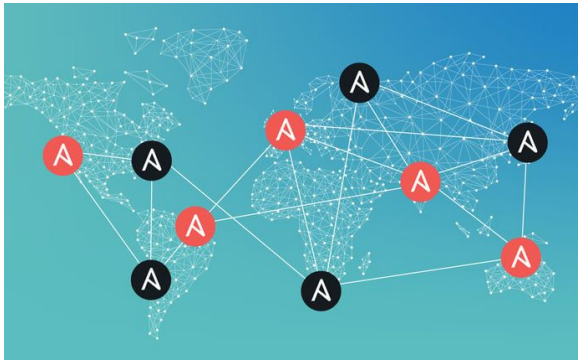
Ansible Contributor Summit

- October 19, 2023 (Thursday)
- Durham convention center, NC, USA
- Info and planning: https://hackmd.io/@ansible-community/cs202310-planning
- Registration (part of DjangoCon): https://ti.to/defna/djangocon-us-2023

Local meetups + organiser's toolkit

Ansible Community has:

- 52k+ meetup members
- 139+ meetup groups
- All the continents, except Antarctica (for now)



Collection of resources to support meetup organizers

- What to do at various milestones of meetup organization
  - Starting an Ansible meetup group
  - Planning a meetup event
  - On the day of the event
  - After the event / followups
- Resources include
  - Email templates
  - Social media templates
  - Logos
  - Presentation templates

A Trip down Memoory lane

Thanks!

GitHub: https://github.com/ansible/community
Matrix: #community:ansible.com or #social:ansible.com
Mastodon: @ansible@fosstodon.org

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