

Rebuild HackThisSite.org

Kage (HTS Manager/Admin)

Agenda

Current Overview (Status Quo)

Our Goals

Current Plans

Timeline

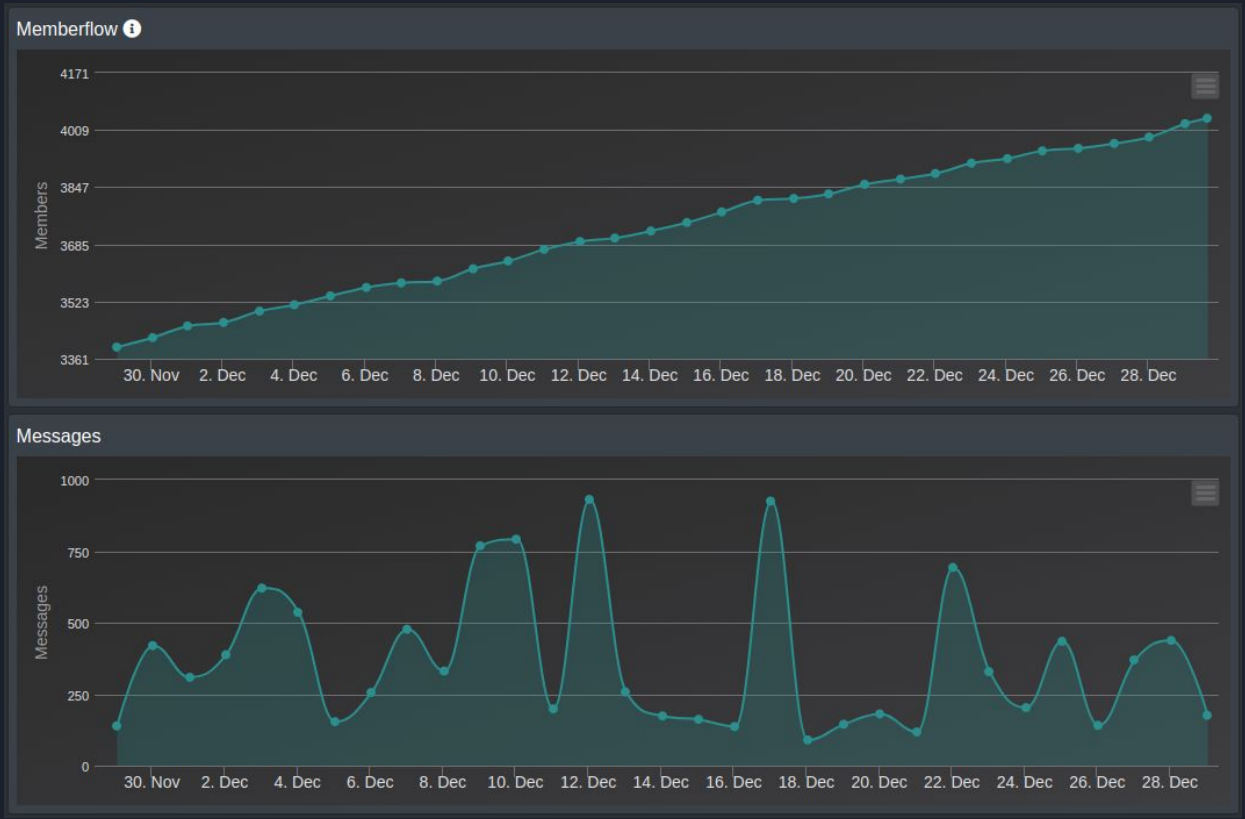
What We Need

Discussion

Current Overview (Status Quo)

- 3 servers (2 dedicated, 1 VPS)
  - Ubuntu vHost, FreeBSD VMs, services in jails
- Main site - “v3”
  - PHP 5 monolith
  - Challenges in PHP and Perl
  - Forums and challenges tightly coupled with ‘v3’
- SCM and CI/CD
  - Phabricator
  - Customized CI/CD
- Discord community
  - 4,000 people, but little active engagement
- 2 admins/developers with full-time jobs :(
  - 2 active moderators
  - No community managers

Current Overview (Status Quo) - Discord



Our Goals

- Decouple AuthNZ from main site (new IAM service)
- Integrate main site and forums into IAM
  - Decouple forums from main site and upgrade
- Create new challenges platform
  - Include existing “missions” as legacy challenges
  - Community can add new challenges whenever they want
- Begin upgrading everything else as microservices / fragments

And of course...

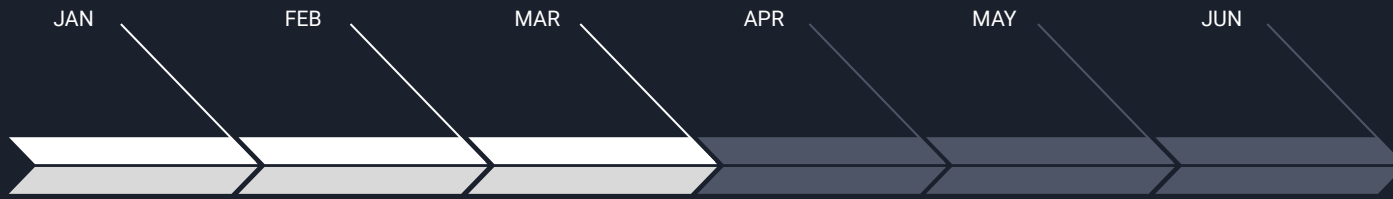
- Community management and engagement!

Current Plans

In no particular order...

1. Onboard community managers, moderators, and content producers to rejuvenate the community (IRC, Discord, Forums)
2. Define and implement a self-hosted SCM and CI/CD system (plan: Gitea + Drone + Ansible + BSDploy)
3. Define and implement an IAM solution to decouple authnz from the main website (plan: OpenResty + NodeJS [Express + Passport])
4. Define and implement a new challenges service, including new challenges and the ability for the community to provide their own (no plan defined yet)
5. Rebuild all other components (forums, lectures, news, etc.) as new microservices or fragments (depends on #3; no plans defined yet)

Timeline



JAN	FEB	MAR	APR	MAY	JUN
IAM / Community	Infrastructure Rebuild	Implement IAM	Decouple / Upgrade Forums	Promote CTF	CTF
Plan and begin working on IAM service	Plan and implement new infrastructure (Git, CI/CD)	Implement new IAM service into existing ‘v3’	Integrate IAM into forums, decouple them from ‘v3’ and upgrade	Community managers promote CTF	:D
Begin community rejuvenation efforts					
Prepare for mid-year CTF					

What We Need

- Server administrators with experience in legacy, non-"cloud" infrastructure (KVM, FreeBSD jails, self-hosted everything)
- Software developers with experience in legacy, non-Dockerized code
- Content creators that seek to frequently publish relevant information security and hacktivist content
- Community managers to engage healthy, ethical discussions and keep people interested
- Open minds and motivation to consistently contribute to the project

Discussion

Interested?

Email: staff@hackthissite.org

OR

Discord: Go to hackthissite.org then click Discord at the very top, channel: **#irc-dev**

IRC: irc.hackthissite.org channel: **#dev**



Thank you!