## GRACE HOPPER CELEBRATION



Ghidra - NSA's Software Reverse Engineering Tool





# Ghidra Many Heads Make Light Work

Gwen Lilly



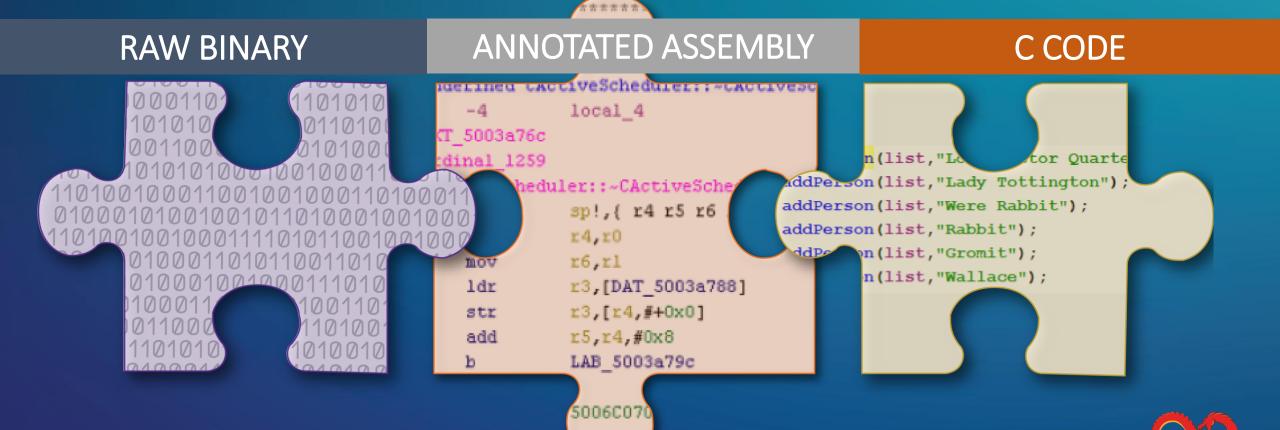


### What's in your binary?

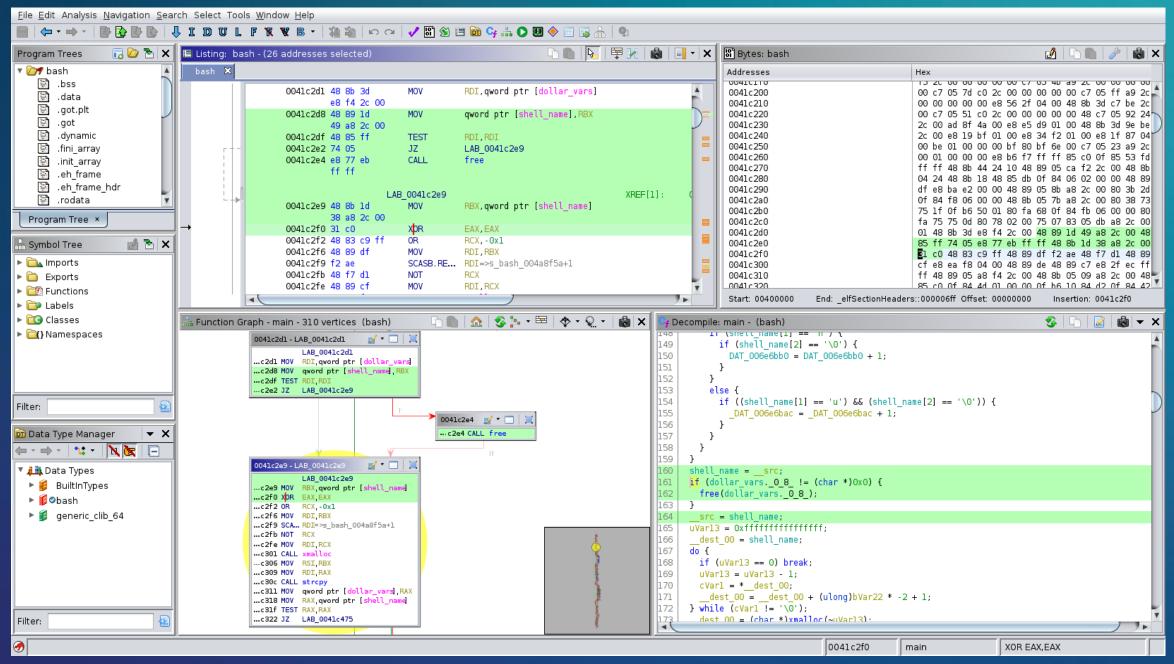




#### Assembling the puzzle



**#GHC19** 

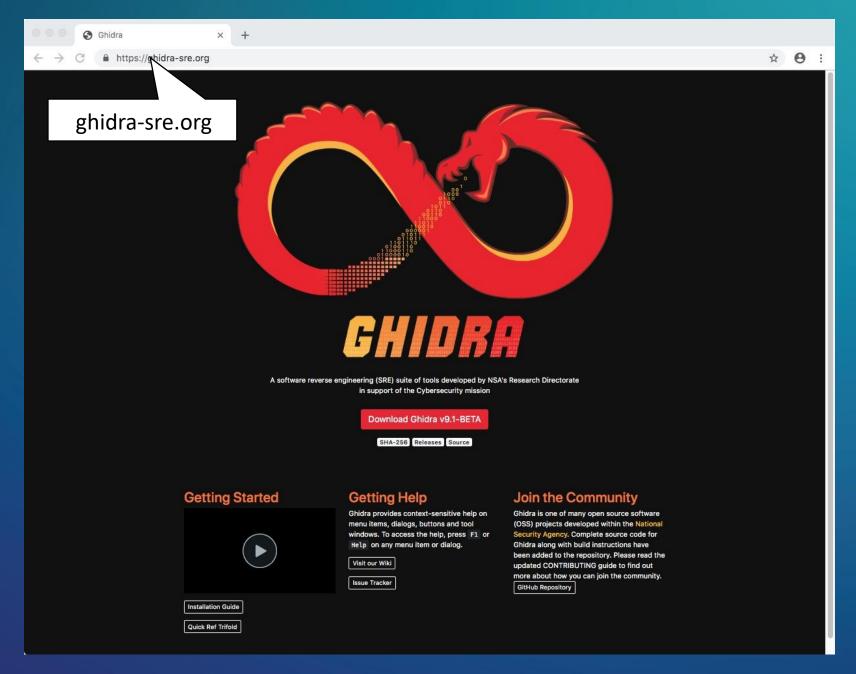


## Why Release?

- Tax \$\$ at work
- Improve Cybersecurity Tools
- Enhance Education Programs
- Build a Community of Users

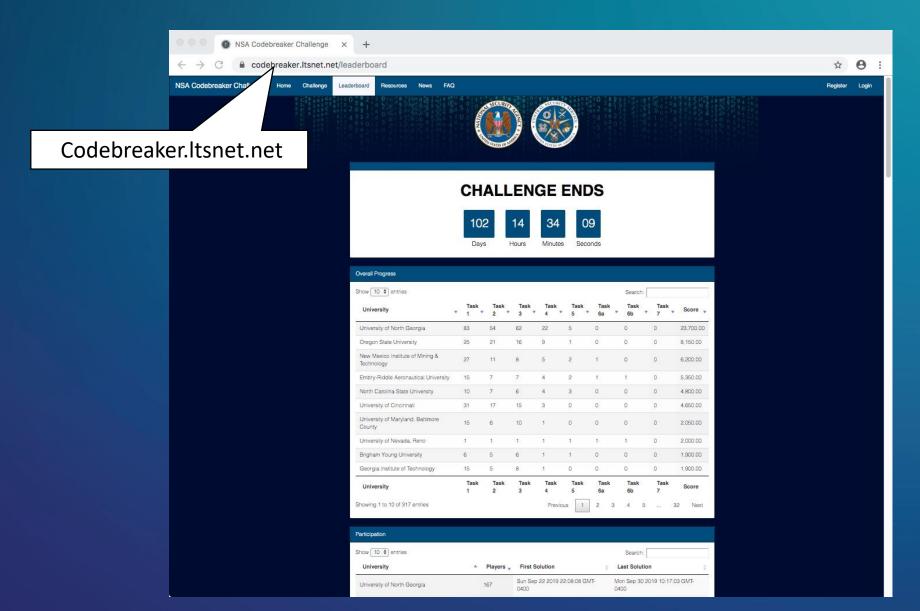
#### ghidra-sre.org Stats (Sept 23)

- 9.0.0: 302k downloads
- 9.0.1: 36k downloads
- 9.0.2: 107k downloads
- 9.0.4:155k downloads
- Site views: 13.9M
- Video hits: 818k





#### Level the playing field → Feed the pipeline



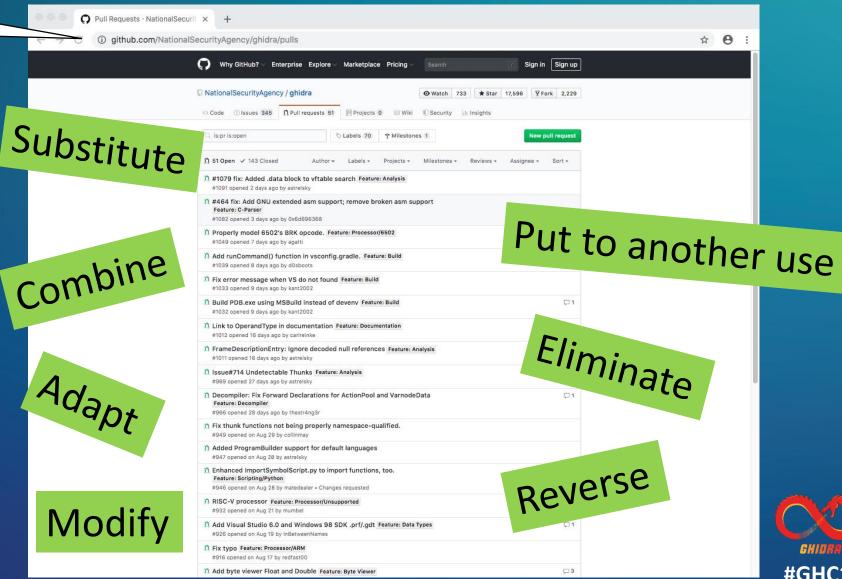


#### Full access to code components - SCAMPER

Github.com/National SecurityAgency/ghidra

#### **GitHub Project Stats** (Sept 30)

- 17598 stars
- 2229 forks
- 733 watching
- 1099 issues submitted
  - 346 open issues
- 194 pull requests
  - 51 open





#### Open participation Diversity





Please remember to complete the session survey in the mobile app.

Please join our community:

www.ghidra.-sre.org https://github.com/NationalSecurityAgency/ghidra











#### **Framework Components**

Database for artifacts and analytic results

Standard schema

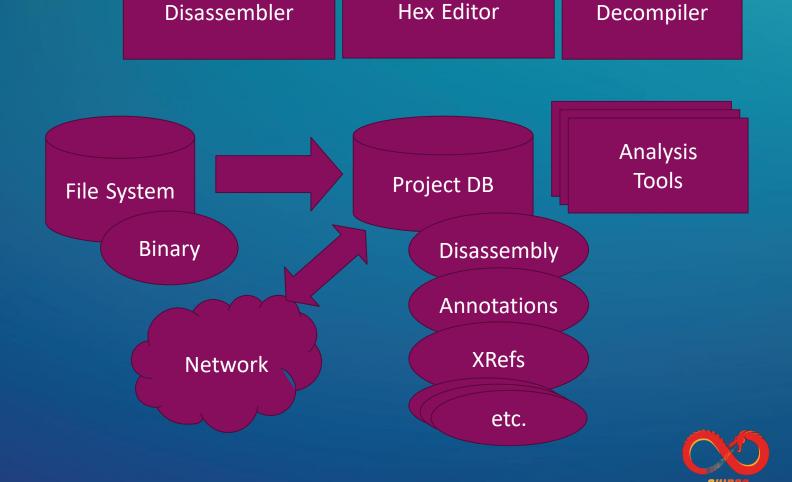
Architecture agnostic tool platform

Network collaboration

Includes the basics

Scalable

Extensible



**Hex Editor** 

**#GHC19** 

Disassembler