

Installer/Security Working Team

2017 Accomplishments

- Released 2.4 and 2.5, numerous security/stability patches
- ESGF build scripts updated to 2.0 (major release)
- 3.0 rewrite of entire installer is nearing alpha
- New process to track and report issues on GitHub
- Automated testing suite updated
- New certificate policy went into place in 2.4
- Autoinstaller revamped and streamlined ESGF Build API documentation on GitHub
- Slack for team communication

2018 Roadmap

- Create a consistent policy for triage in GitHub reports [Prashanth, William]
 - Better use of labels, projects, milestones, currently all redundant
 - Labels note dependency chains
 - Projects note components
 - Milestones note priority (next release, point release, etc.)
- Complete 3.0 installer and begin testing [William]
- Switch Jar security scanner to NVD-based scanning [Zed]
 - (allows additional components to be scanned, gives us knowledge of versions, should reduce manual labor required during each scan/update)
- Complete full-stack Docker release and begin testing [Luca]
- Use Installer or Jenkins to create an automatic manifest [Prashanth]
 - CPE23 format would allow direct feed into NVD scanning
 - For software missing from the official dictionary, we can glob product name alone to maintain compatibility (this is still an improvement over the current jar regular expression guesswork)
- Update and document test suite [Prashanth]
- Find funding for someone to create an index of all documentation in a central place that is always the start point for users (or developers) and remove documentation that is obsolete/inaccurate. [Sasha? HELP!!]
 - (Not Installer team, but hits us hardest? Sasha mentioned DoE funding?)

Long-Term Roadmap

- Break down installation process into 3 phases:
 - Download of all necessary data and software

- Installing the components (unconfigured)
 - Configuring the components
 - All of this depends on 3.0 modular installation
- Allow installation to be 'paused' at the first stage, so that the entire process can be copied to a USB stick or CD and taken to a machine with more limited network access and continued from there
- Work through the GitHub issue backlog
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Open Questions

- How do we report web pages that are inaccurate/obsolete? Who is responsible?
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