CHAOSS

Metrics

Release 2021-03

https://chaoss.community/metrics

目录

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Are you eligible to be on this list? You are if you helped in any capacity, for example: Filed an issue. Created a Pull Request. Gave feedback on our work. Please open an issue or post on the mailing list if we've missed anyone.

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- Ray Paik, GitLab

- Sean Goggins, University of Missouri

- Wayne Beaton, Eclipse Foundation

Common Metrics WG

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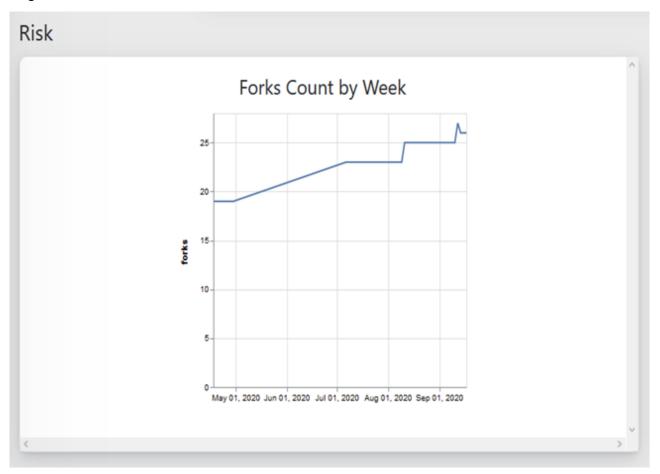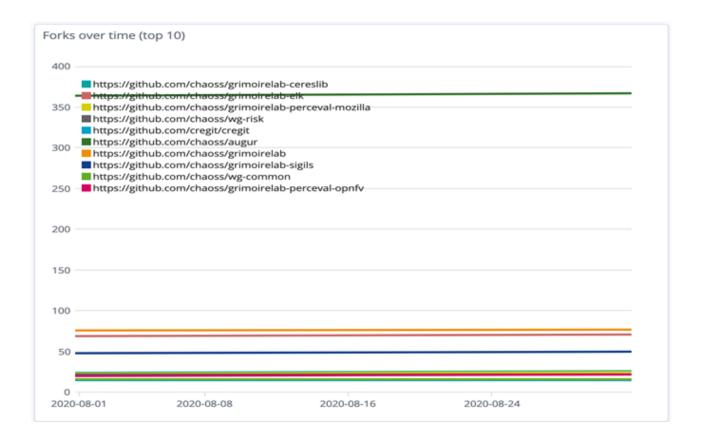
Forks over time (top 10)

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- Augur

- GrimoireLab

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Github API
https://developer.github.com/v3/repos/forks/#list-forks

GitLab API
https://docs.gitlab.com/ee/api/projects.html#list-forks-of-a-project

Bitbucket API
https://developer.atlassian.com/bitbucket/api/2/reference/resource/repositories/%7Bworkspace%7D/%7Brepo_slug%7D/forks

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https://help.github.com/en/enterprise/2.13/user/articles/fork-a-repo   https://opensource.com/article/17/12/fork-clone-difference

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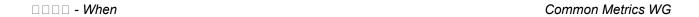
- https://medium.com/@sunnydeveloper/revisiting-the-word-recognition-in-foss-and-the-dream-of-open-credentials-d15385d49447
- https://24pullrequests.com/contributing
- https://smartbear.com/blog/test-and-monitor/14-ways-to-contribute-to-open-source-without-being/
- https://wiki.openstack.org/wiki/AUCRecognition
- https://www.drupal.org/drupalorg/blog/a-guide-to-issue-credits-and-the-drupal.org-marketplace
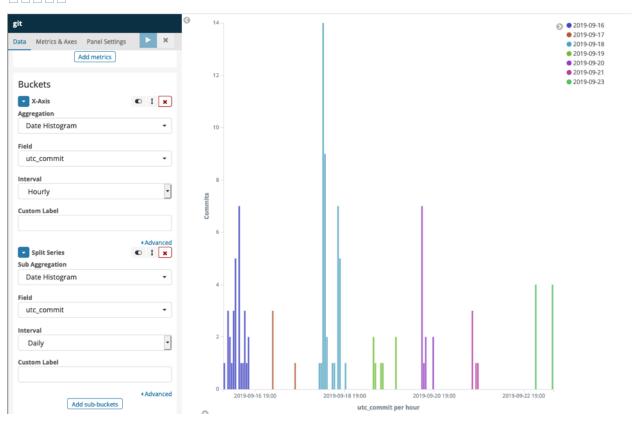
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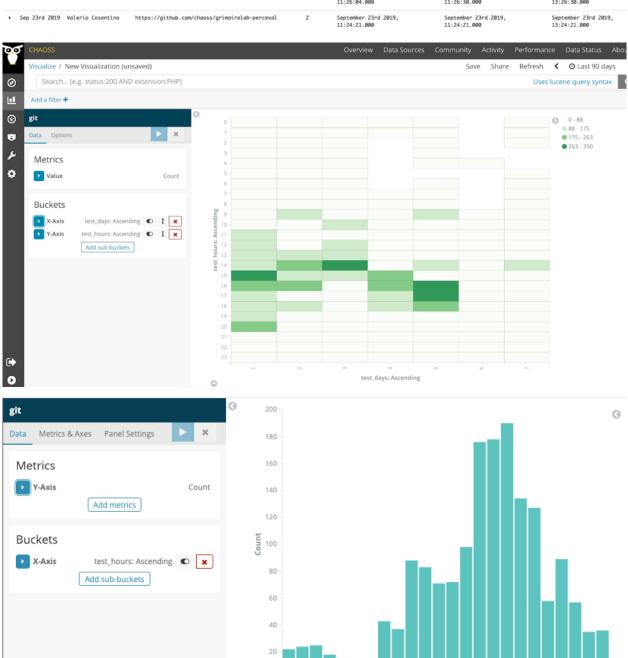
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▸	Sep 23rd 2019	Carter Landis	https://github.com/chaoss/augur	-5	September 23rd 2019, 15:42:16.000	September 23rd 2019, 15:42:16.000	September 23rd 2019, 10:42:16.000
▸	Sep 23rd 2019	Matt Snell	https://github.com/chaoss/augur	-5	September 23rd 2019, 13:21:56.000	September 23rd 2019, 13:21:56.000	September 23rd 2019, 08:21:56.000
▸	Sep 23rd 2019	Gabe Heim	https://github.com/chaoss/augur	-5	September 23rd 2019, 12:31:49.000	September 23rd 2019, 12:31:49.000	September 23rd 2019, 07:31:49.000
▸	Sep 23rd 2019	Santiago Dueñas	https://github.com/chaoss/grimoirelab-perceval	Z	September 23rd 2019, 12:30:18.000	September 23rd 2019, 12:30:18.000	September 23rd 2019, 14:30:18.000
▸	Sep 23rd 2019	Valerio Cosentino	https://github.com/chaoss/grimoirelab-perceval	Z	September 23rd 2019, 11:26:04.000	September 23rd 2019, 11:26:30.000	September 23rd 2019, 13:26:30.000
▸	Sep 23rd 2019	Valerio Cosentino	https://github.com/chaoss/grimoirelab-perceval	Z	September 23rd 2019, 11:24:21.000	September 23rd 2019, 11:24:21.000	September 23rd 2019, 13:24:21.000

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GrimoireLab

Augur 图表/查询表

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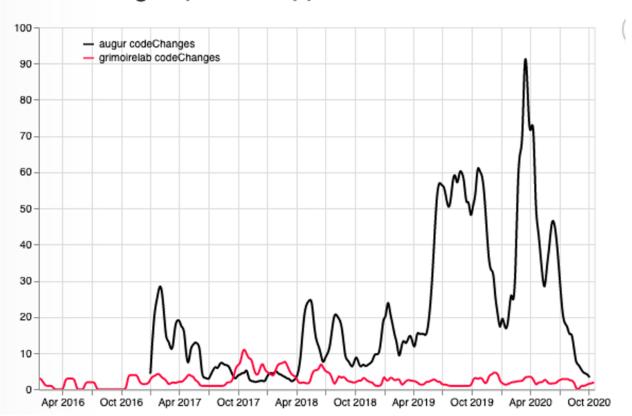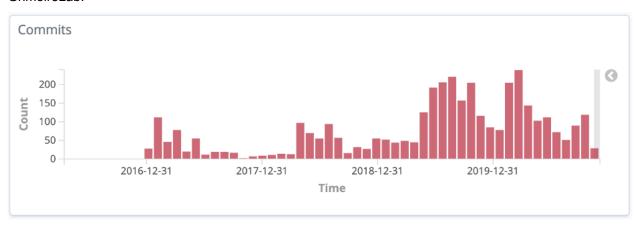
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References

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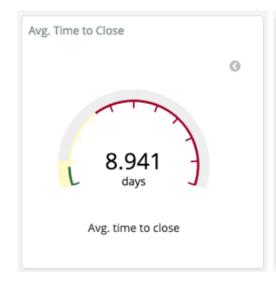
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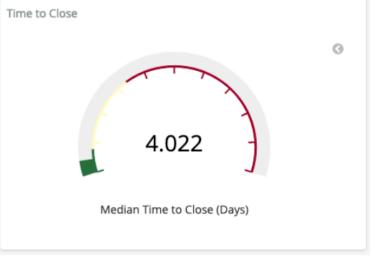
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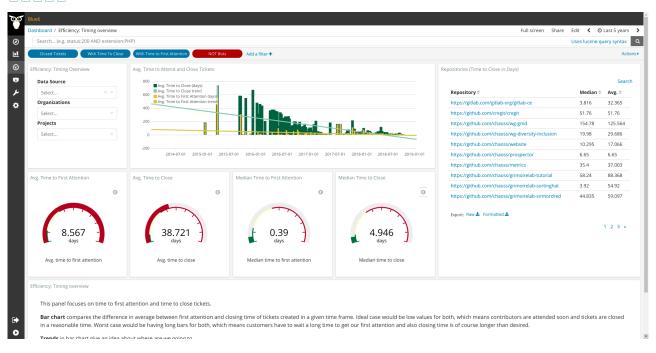
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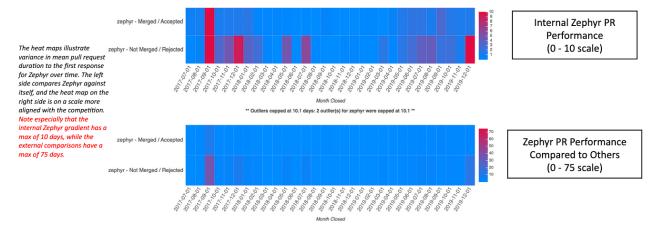- "Practice P.12: Respond to all submissions"□□□"Appendix to: Managing Episodic Volunteers in Free/Libre/Open Source Software Communities"□Ann Barcomb□Klaas-Jan Stol□Brian Fitzgerald □ Dirk Riehle□https://opus4.kobv.de/opus4-fau/frontdoor/index/index/docId/13519

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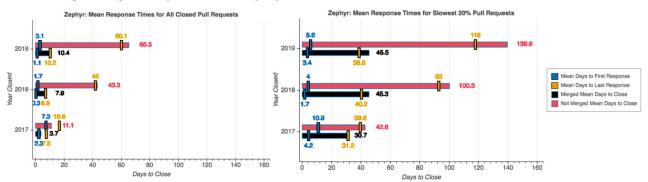- □□□

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Mean Days to First Response for Closed Pull Requests
Some Internal Slowing, But Outperforming Other Repositories

The heat maps illustrate variance in mean pull request duration to the first response for Zephyr over time. The left side compares Zephyr against itself, and the heat map on the right side is on a scale more aligned with the competition.
Note especially that the internal Zephyr gradient has a max of 10 days, while the external comparisons have a max of 75 days.

** Outliers capped at 10.1 days: 2 outlier(s) for zephyr were capped at 10.1 **

Internal Zephyr PR Performance (0 - 10 scale)

Zephyr PR Performance Compared to Others (0 - 75 scale)

Mean Response Times (Days) For Closed Pull Requests
Long Running Pull Requests Are Usually Rejected

The length of the black bar illustrates the total number of days that rejected and merged pull requests were open. The blue bar shows that, for the Zephyr project, we see the mean time to first response improving significantly for both rejected and merged pull requests from 2017 - 2019.   The orange bar shows the last response or event associated with a pull request.

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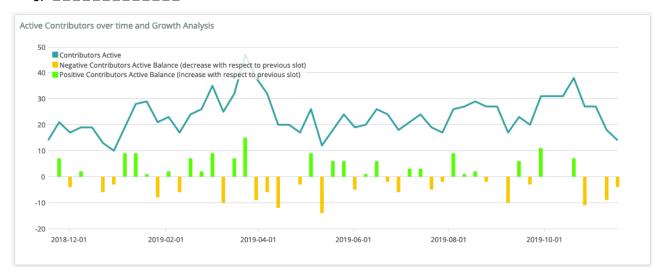
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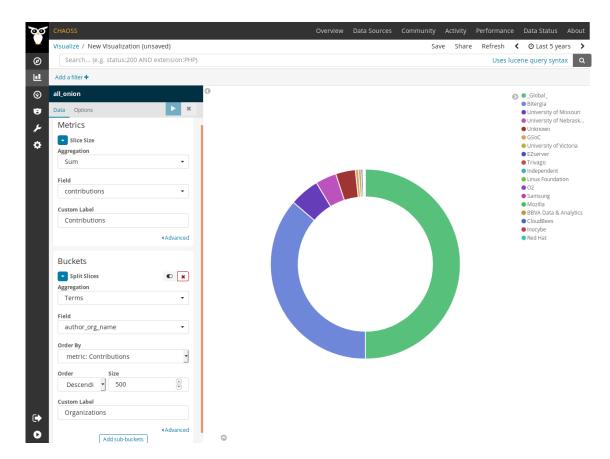
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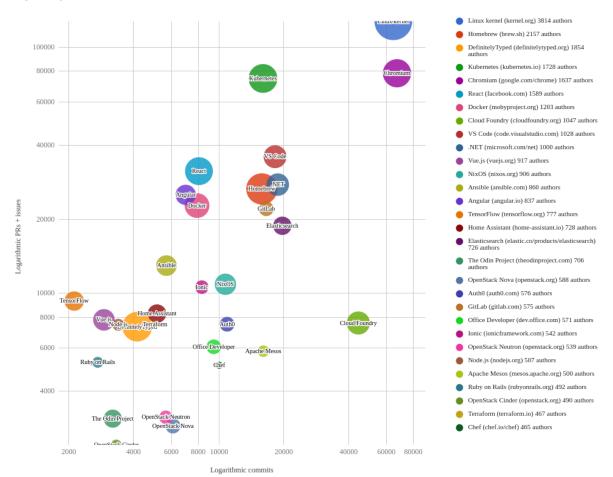
Top 30 Projects 05/2016 - 04/2017

关于 CNCF

原始资料与来源

- CNCF - https://github.com/cncf/velocity

讨论问题

- 为什么需要统计项目的开发速度?
- 你所知道的项目统计方法
- 如何定义项目活跃
- 为什么选择这些项目

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- Monster □□□□ API□https://partner.monster.com/job-search
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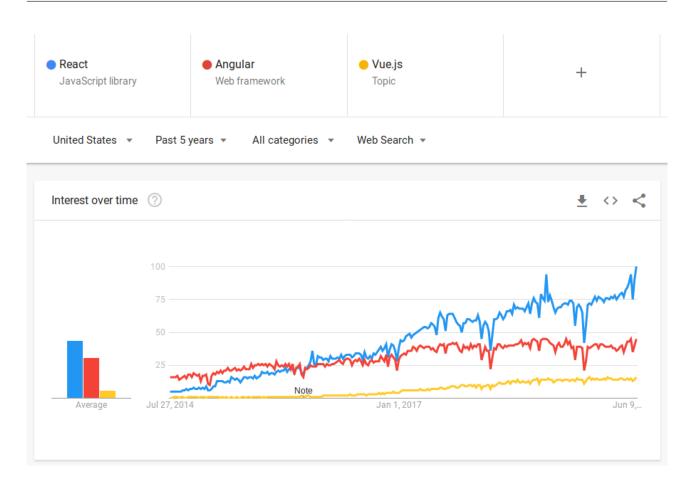
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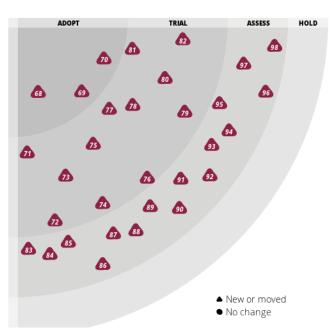
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● **ADOPT** ⓘ
68. Apollo
69. MockK
70. TypeScript

● **TRIAL** ⓘ
71. Apache Beam
72. Formik
73. HiveRunner
74. joi
75. Ktor
76. Laconia
77. Puppeteer
78. Reactor
79. Resilience4j
80. Room
81. Rust
82. WebFlux

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React.js

NOV 2016

ADOPT ⍰

In the avalanche of front-end JavaScript frameworks, **React.js** stands out due to its design around a reactive data flow. Allowing only one-way data binding greatly simplifies the rendering logic and avoids many of the issues that commonly plague applications written with other frameworks. We're seeing the benefits of React.js on a growing number of projects, large and small, while at the same time we continue to be concerned about the state and the future of other popular frameworks like AngularJS. This has led to React.js becoming our default choice for JavaScript frameworks.

APR 2016

ADOPT ⍰

NOV 2015

TRIAL ⍰

One benefit of the ongoing avalanche of front-end JavaScript frameworks is that occasionally a new idea crops up that makes us think. **React.js** is a UI/view framework in which JavaScript functions generate HTML in a reactive data flow. It differs significantly from frameworks like AngularJS in that it only allows one-way data bindings, greatly simplifying the rendering logic. We have seen several smaller projects achieve success with React.js, and developers are drawn to its clean, composable approach to componentization.

MAY 2015

TRIAL ⍰

One benefit to the ongoing avalanche of front-end JavaScript frameworks is that occasionally, a new idea crops up that makes us think. **React.js** is a UI/View framework in which JavaScript functions generate HTML in a reactive data flow. We have seen several smaller projects achieve success with React.js and developers are drawn to its clean, composeable approach to componentization.

NOT ON THE CURRENT EDITION
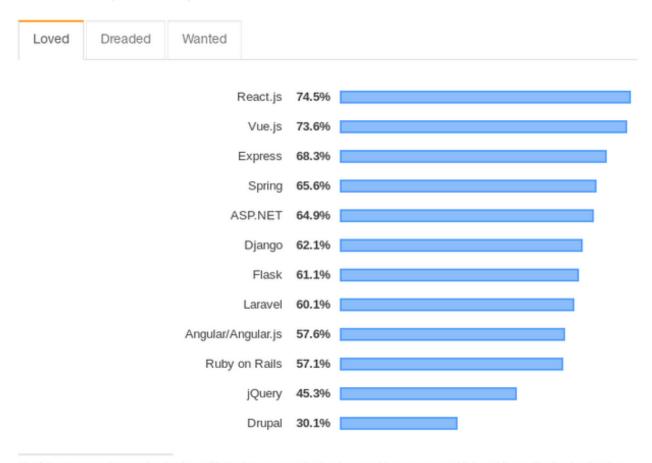
This blip is not on the current edition of the radar. If it was on one of the last few editions it is likely that it is still relevant. If the blip is older it might no longer be relevant and our assessment might be different today. Unfortunately, we simply don't have the bandwidth to continuously review blips from previous editions of the radar

Understand more »

StackOverview □□□□□□□□□□□□

🏅 Most Popular Technologies

Most Loved, Dreaded, and Wanted Web Frameworks

Loved	Dreaded	Wanted

React.js	**74.5%**
Vue.js	**73.6%**
Express	**68.3%**
Spring	**65.6%**
ASP.NET	**64.9%**
Django	**62.1%**
Flask	**61.1%**
Laravel	**60.1%**
Angular/Angular.js	**57.6%**
Ruby on Rails	**57.1%**
jQuery	**45.3%**
Drupal	**30.1%**

% of developers who are developing with the language or technology and have expressed interest in continuing to develop with it

React.js and Vue.js are both the most loved and most wanted web frameworks by developers, while Drupal and jQuery are most dreaded.

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- Augur□□□□□□□□□□□□
  - Rails
  - Zephyr
  - CloudStack

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1 IssueID, Severity, Title          , Status, Contributor, Tag
2 34234   , High    , Add CSV Graphic, Open  , andyl      , metrics
3 23421   , Med     , Fix typos      , Closed, mattg      , metrics
4 56743   , High    , Reword section , Open  , georg      , augur
5 85879   , Low     , Add CNCF PNG   , Open  , seang      , metrics
6 34183   , High    , Remove button  , Closed, vinod      , implementation
7 76790   , Low     , Use large font , Open  , kevin      , metrics
8 57432   , Med     , Sync with web  , Closed, carol      , implementation
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Release History

CHAOSS metrics are released continuously. The regular release is when we update the version number, update the full release notes, and make a big announcement. These releases occur one to two times a year and may correspond with the dates of a CHAOSScon event. Prior to regular release, continuous released metrics go through a comment period of at least 30 days.

Continuous Metric Contributions Since Last Release

- **Common WG**
    - New metrics include:
    - Name Change/Revision:
- **Diversity & Inclusion WG**
    - New metrics include:
    - Name Change/Revision:
- **Evolution WG**
    - New metrics include:
    - Name Change/Revision:
- **Risk WG**
    - New metrics include:
    - Name Change/Revision:
- **Value WG**
    - New metrics include:
    - Name Change/Revision:

Release 2021-03 Notes:

- PDF of released CHAOSS Metrics (v.2021-03)
- **Common WG**
  - New metrics include:
    - Technical fork
    - Burstiness
    - Review Cycle Duration within a Change Request
- **Diversity & Inclusion WG**
  - New metrics include:
    - Chat Platform Inclusivity
    - Documentation Accessibility
    - Project Burnout
- **Evolution WG**
  - New metrics include:
    - Branch lifecycle
    - Change Request Acceptance ratio
  - Name Change/Revision
    - Change Requests accepted
    - Change Requests declined
    - Change Requests Duration
    - Change Requests
- **Risk WG**
  - New metrics include:
    - SPDX Document
    - Bus Factor
- **Value WG**
  - New metrics include:
    - Project popularity
  - Name Change/Revision
    - Social Listening

Release 2020-08 Notes:

- PDF of released CHAOSS Metrics (v.2020-08)
- **Common WG**
  - New metrics include:
    - Contributor Location
    - Time to Close
    - Types of Contributions
- **Diversity & Inclusion WG**
  - New metrics include:
    - Documentation Usability
    - Inclusive Leadership
    - Issue Label Inclusivity
  - New focus area - Project and Community
- **Evolution WG**
  - New metrics include:
    - Inactive Contributors
    - New Contributors
  - The Reviews metric was revised
- **Risk WG**
  - No new metrics this release
  - The Elephant Factor metric was revised
- **Value WG**
  - No new metrics this release
  - The SCMS metric was revised
  - Work group focused on restructuring and creation of new focus areas - Organizational Value, Individual Value, and Communal Value
  - All previously released metrics were assigned to the new focus areas

Release 2020-01 Notes:

- PDF of released CHAOSS Metrics (v.2020-01)
- All Metrics were restructured to conform to the new CHAOSS Project metrics document structure.
- **Common WG**
  - New metrics include:
    - Activity Dates and Times
    - Time to First Response
    - Contributors
  - Restructured and renamed focus areas
  - Organizational Diversity remains unchanged from previous release.
- **Diversity & Inclusion WG**
  - New metrics include:
    - Sponsorship
    - Board/Council Diversity
  - Improved clarity on several metrics that were in the previous release
- **Evolution WG**
  - New metrics include:
    - Issue Age
    - Issue Response Time
    - Issue Resolution Duration
    - New Contributors Closing Issues
  - Updated focus areas. Refactored the "Code Development" focus area into 3 separate focus areas to more closely align with other working groups. Rather than having one broad focus area with multiple subsections, we decided our intent would be better communicated by making each of these subsections into their own focus areas. The 3 separate focus areas include:
    - Code Development Activity
    - Code Development Efficiency
    - Code Development Process Quality
  - Kept the other 2 focus areas (Issue Resolution and Community Growth) the same.
  - No major changes were made to already existing metrics.
- **Risk WG**
  - New metrics include:
    - OSI Approved Licenses
    - Licenses Declared
    - Test Coverage (Updated)
    - Elephant Factor
    - Committers
  - Focused on increasing metrics coverage in the general areas of CNCF Core Infrastructure badging and licensing.
  - License Count was removed from the release. It is being replaced by the Licenses Declared metric.
  - Software Bill of Materials was removed from the release. It is being reworked as the SPDX Document metric for the next release.
- **Value WG**
  - New metrics include:
    - Social Currency Metric System (SCMS)
    - Job Opportunities
  - A new focus area of Ecosystem Value was developed

Release 2019-08 Notes

- PDF of released CHAOSS Metrics (v.2019-08)
- Initial CHAOSS Metrics release.

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