

Table SINV-83

## Number of GitHub repositories contributed to by selected entities: 2009–19

(Number)

| Institution                                   | 2009 | 2010 | 2011 | 2012 | 2013 | 2014  | 2015  | 2016  | 2017  | 2018  | 2019  |
|---|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| Administrative Office of the U.S. Courts      | na   | na   | na   | na   | 1    | na    | 2     | 13    | 4     | 4     | 3     |
| Agency for International Development          | na   | na   | na   | na   | 1    | 1     | 3     | 1     | 1     | 7     | 9     |
| Appalachian Regional Commission               | na   | na   | na   | na   | na   | na    | na    | na    | na    | na    | 1     |
| Department of Agriculture                     | na   | na   | na   | na   | 4    | 4     | 3     | 38    | 15    | 20    | 20    |
| Department of Commerce                        | 4    | 6    | 4    | 14   | 17   | 58    | 63    | 110   | 156   | 181   | 210   |
| Department of Defense                         | na   | na   | 2    | 1    | 8    | 16    | 50    | 42    | 56    | 58    | 88    |
| Department of Education                       | na   | na   | na   | na   | 1    | na    | na    | 2     | 2     | na    | na    |
| Department of Energy                          | 42   | 51   | 98   | 157  | 418  | 914   | 1,267 | 1,608 | 2,000 | 2,281 | 2,362 |
| Department of Health and Human Services       | na   | 2    | 4    | 16   | 27   | 42    | 67    | 92    | 187   | 197   | 229   |
| Department of Homeland Security               | na   | na   | na   | na   | na   | 1     | 1     | 6     | 18    | 23    | 17    |
| Department of Justice                         | na   | na   | na   | na   | na   | na    | 1     | na    | na    | na    | 2     |
| Department of Labor                           | na   | na   | na   | na   | 2    | na    | 4     | na    | 11    | 3     | 4     |
| Department of State                           | na   | na   | na   | na   | na   | 7     | 4     | na    | na    | 1     | na    |
| Department of the Interior                    | na   | na   | 1    | 1    | 17   | 47    | 50    | 55    | 99    | 149   | 118   |
| Department of the Treasury                    | na   | na   | na   | na   | na   | 1     | na    | na    | na    | 1     | 2     |
| Department of Transportation                  | na   | na   | na   | 1    | 1    | 4     | 5     | 3     | 10    | 10    | 11    |
| Department of Veterans Affairs                | na   | na   | na   | 16   | 1    | 13    | 5     | 16    | 12    | 8     | 5     |
| Environmental Protection Agency               | na   | na   | na   | na   | 3    | 3     | 3     | 12    | 10    | 12    | 17    |
| Federal Communications Commission             | na   | na   | na   | 1    | 3    | na    | na    | na    | na    | 1     | na    |
| General Services Administration               | na   | na   | na   | na   | na   | 27    | 54    | 82    | 61    | 53    | 42    |
| Library of Congress                           | na   | na   | 1    | 1    | 1    | 4     | 1     | 4     | 3     | 6     | 1     |
| National Aeronautics and Space Administration | 4    | 3    | 8    | 12   | 40   | 90    | 135   | 134   | 196   | 221   | 263   |
| Office of Personnel Management                | na   | na   | na   | na   | na   | na    | na    | 1     | na    | na    | na    |
| Office of Science and Technology Policy       | na   | na   | na   | na   | na   | na    | na    | 1     | na    | na    | na    |
| Small Business Administration                 | na   | na   | na   | na   | na   | na    | na    | 1     | 1     | 7     | 4     |
| Smithsonian Institution                       | na   | na   | na   | na   | 4    | 24    | 11    | 6     | 11    | 23    | 28    |
| Microsoft                                     | 2    | 7    | 31   | 270  | 173  | 520   | 1,722 | 3,138 | 5,842 | 6,817 | 6,845 |
| RedHat  | 123  | 161  | 225  | 410  | 913  | 1,325 | 1,955 | 2,673 | 4,678 | 7,422 | 5,005 |
| University of California, Berkeley            | 9    | 15   | 27   | 55   | 211  | 405   | 676   | 951   | 1,531 | 1,651 | 1,630 |

na = not applicable; no items are assigned to the entity.

**Note(s):**

Included repositories are those with an Open-Source Initiative approved open-source license; software shared through other licenses are excluded. Public higher education institutions and selected private entities are included as benchmarks. Overall in terms of number of repositories contributed to, Microsoft and RedHat are the two largest contributors from the private sector and UC Berkeley from higher education institutions. The highest contributor to open-source software is the Department of Energy, which encompasses 17 national laboratories, 16 of which were included in the data. The exception is the Department of Energy's SLAC National Accelerator Laboratory, formerly known as Stanford Linear Accelerator. Due to data constraints, these repositories are attributed to the operator, rather than to the Department of Energy.

**Source(s):**

Robbins C, Korkmaz G, Guci L, Santiago Calderón J, Kramer B. 2021. *A First Look at Open-Source Software Investment in the United States and Other Countries, 2009–2019*.

*Science and Engineering Indicators*