

Table INV-4**Cumulative contribution of selected entities to open-source software on GitHub: 2010–19**

(Number)

Institution	Count of repositories contributed to by institutional members
Federal total	15,716
Department of Energy	11,156
National Aeronautics and Space Administration	1,102
Department of Health and Human Services	863
Department of Commerce	819
Department of the Interior	537
Department of Defense	321
General Services Administration	319
Smithsonian Institution	107
Department of Agriculture	104
Department of Veterans Affairs	76
All other federal departments and agencies	312
Selected business and university repositories	57,284
Microsoft	25,365
RedHat	24,767
University of California, Berkeley	7,152

Note(s):

Included repositories are those public on GitHub with machine detectable Open Source Initiative-approved licenses that received contributions from affiliates from each organization; software shared through other licenses are excluded. Public higher education institutions and selected private entities are included as benchmarks. The Department of Energy 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 (Stanford), rather than to the Department of Energy. Overall, in terms of number of repositories, Microsoft and RedHat are the two largest contributors from the private sector and UC Berkeley from higher education institutions.

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 in Other Countries, 2009–2019*.

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