

DARPA open catalog makes agency-sponsored software and publications available to all

February 5 2014

DARPA Open Catalog

Welcome to the DARPA Open Catalog, which contains a central list of DARPA-sponsored software and peer-reviewed publications. DARPA funds fundamental and applied research in a variety of areas including data science, cyber, sensory devices, etc., which may lead to experimental results and reusable technology designed to benefit multiple government domains.

The DARPA Open Catalog organizes publicly-releasable material from DARPA programs, beginning with the XDATA program in the Information Innovation Office (IIO). XDATA is developing an open source software library for big data. DARPA has an open source strategy through XDATA and other IIO programs to help increase the impact of government investments.

DARPA is interested in building communities around government-funded software and research. If the R&D community shows sufficient interest, DARPA will continue to make available information generated by DARPA programs, including software, publications, data and experimental results. Future updates are scheduled to include components from other IIO programs such as [Brain Documental Language Translation \(BDLT\)](#) and [Virtual Media Research \(VMR\)](#).

The DARPA Open Catalog contains two tables:

- The Software Table lists performers with one row per piece of software. Each piece of software has a link to an external project page, as well as a link to the code repository for the project. The software categories are listed, in the case of XDATA, they are Analytics, Visualization and Infrastructure. A description of the project is followed by the applicable software license. Finally, each entry has a link to the publication from each team's software entry.
- The Publications Table contains author(s), title, and links to peer-reviewed articles related to specific DARPA programs.

Program Manager:

Dr. Christopher White
chriswhite@darpa.mil

Report a problem: opencatalog@darpa.mil

The content below has been generated by organizations that are partially funded by DARPA. Its views and conclusions contained therein are those of the author(s) and should not be interpreted as necessarily representing the official policies or endorsements, either expressed or implied, of DARPA or the U.S. Government.

Software

DARPA Team	Software	Category	Issuance Date	Code	Link	Description	License
InfoSec	Network Status by Location	Analytics	2014-07	https://github.com/infocsec/network-status-plot	https://github.com/infocsec/network-status-plot	Network Map/Status view that shows representation of network queries by example utilizing distributed network status mapping.	MIT
Security/PI	JMSL (Java)	Analytics	2014-07	https://github.com/infocsec/jmsl	https://github.com/infocsec/jmsl	JMSL (JMS) is a scalable (distributed network status) library, it is a variant of the JMS (JMS) library with integration/extension/extension. The general approach is to create an API similar to the existing JMS (JMS) library, but to build "local" usage domain applications. However, on a per-need "reusable" application that has a flexible distributed implementation. Local functionality is then shared for general mapping, connected line approval queries, then open to the developer or if they were needed locally.	MIT
Complex Mobile	Complex Mobile	Analytics	2014-07	https://github.com/infocsec/complex-mobile	https://github.com/infocsec/complex-mobile	Public implementation of the complex mobile software developed in the Complex Mobile (Complex Mobile) program. The software is designed to support the complex mobile software development process. The software is designed to support the complex mobile software development process. The software is designed to support the complex mobile software development process.	MIT
Complex Mobile	Complex Mobile	Analytics	2014-07	https://github.com/infocsec/complex-mobile	https://github.com/infocsec/complex-mobile	Public implementation of the complex mobile software developed in the Complex Mobile (Complex Mobile) program. The software is designed to support the complex mobile software development process. The software is designed to support the complex mobile software development process. The software is designed to support the complex mobile software development process.	MIT

The DARPA Open Catalog lists DARPA-sponsored performers with one row per piece of software or publication. Each piece of software has a link to an external project page as well as a link to the code repository for the project. The software categories are listed along with a description of the project and the applicable software license. The publications section lists author(s), title, and links to peer-reviewed articles related to specific DARPA programs.

DARPA has invested in many programs that sponsor fundamental and applied research in areas of computer science, which have led to new advances in theory as well as practical software. The R&D community

has asked about the availability of results, and now DARPA has responded by creating the DARPA Open Catalog, a place for organizing and sharing those results in the form of software, publications, data and experimental details.

The Catalog can be found at go.usa.gov/BDhY .

Many DoD and government research efforts and software procurements contain publicly releasable elements, including [open source software](#). The nature of open source software lends itself to collaboration where communities of developers augment initial products, build on each other's expertise, enable transparency for performance evaluation, and identify [software vulnerabilities](#). DARPA has an open source strategy for areas of work including big data to help increase the impact of government investments in building a flexible technology base.

"Making our open source catalog available increases the number of experts who can help quickly develop relevant software for the government," said Chris White, DARPA program manager. "Our hope is that the computer science community will test and evaluate elements of our software and afterward adopt them as either standalone offerings or as components of their products."

The initial offerings in the DARPA Open Catalog include software toolkits and peer-reviewed publications from the XDATA program in the agency's Information Innovation Office (I2O). The partially funded toolkits are designed to encourage flexible development of software that may enable users of targeted defense applications to process large volumes of data in a timely manner to meet their mission requirements.

Provided by DARPA

Citation: DARPA open catalog makes agency-sponsored software and publications available to all (2014, February 5) retrieved 24 April 2024 from <https://phys.org/news/2014-02-darpa-agency-sponsored-software.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.