

Demo: ndnSIM v2.3

NDNcomm 2017

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Memphis

Spyridon (Spyros) Mastorakis
University of California, Los Angeles

ndnSIM Simulation Ecosystem

- Modular ***NDN simulation ecosystem*** based on NS-3
- Full integration with NDN prototypes: ***NFD*** & ***ndn-cxx***
- High-fidelity NDN simulations
- Simulation of ***real-world applications*** using ndn-cxx
- Active development, extensive documentation, active mailing list

ndnSIM GitHub Repository

named-data-ndnSIM / ndnSIM

Unwatch 31 Star 32 Fork 84

Code Issues 21 Pull requests 0 Projects 0 Pulse Graphs

ndnSIM: NS-3 based NDN simulator

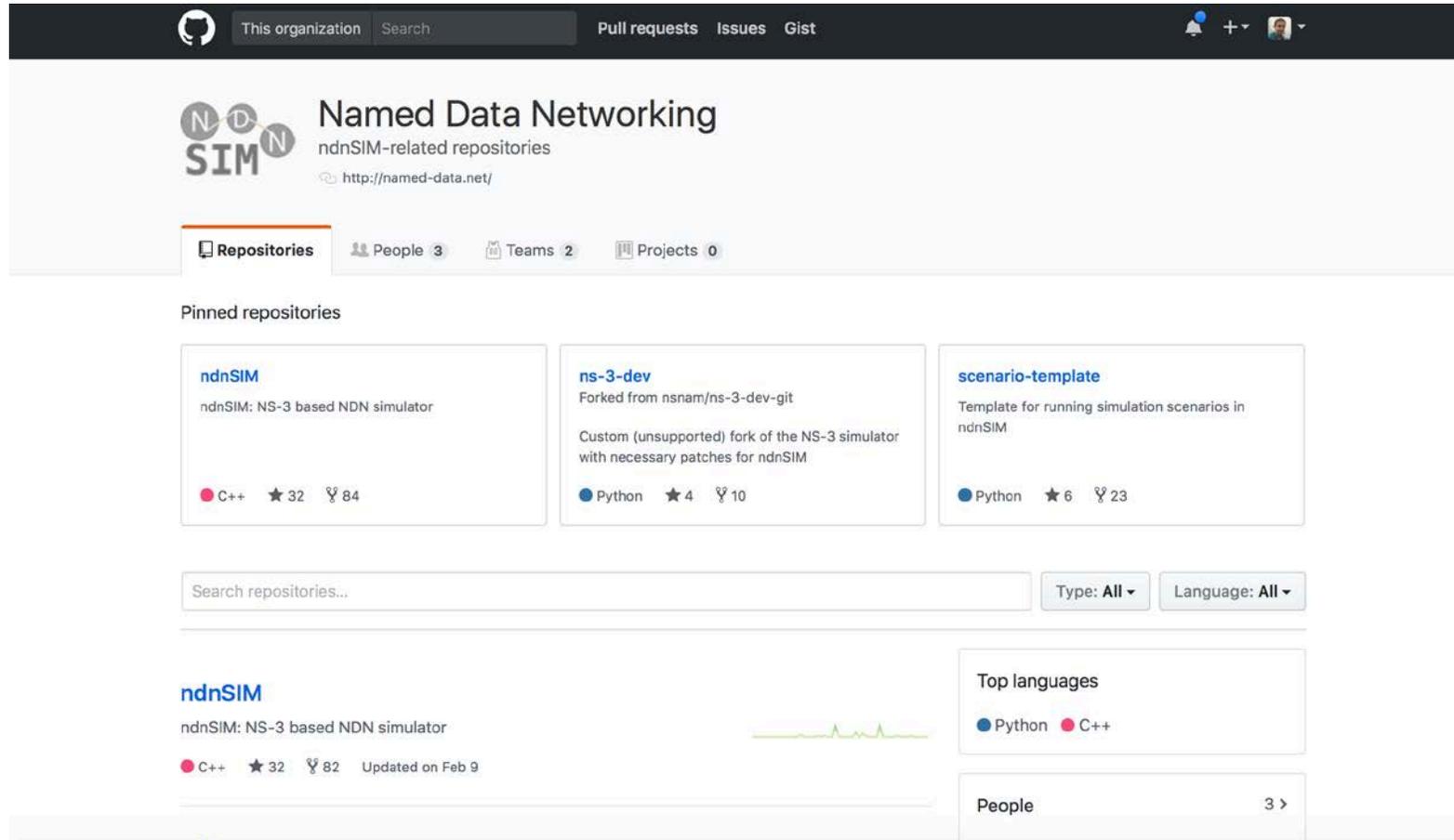
1,354 commits 3 branches 30 releases 30 contributors GPL-3.0

Branch: master New pull request Create new file Upload files Find file Clone or download

cawka ndn-cxx+tests: Fix hop count propagating to ndn-cxx Face Latest commit 0970340 on Feb 8

.jenkins.d	ci: Update CI scripts	5 months ago
.waf-tools	NFD+ci+docs: Attaching NFD as a submodule	2 years ago
NFD @ 3811cd	NFD + ndn-cxx: Update submodules to point to version 0.5	3 months ago
apps	apps: Change to new HopCount tag that is carried in NDNLPv2 header be...	3 months ago
bindings	all: Fixing compatibility with NFD 0.5 and ndn-cxx 0.5	3 months ago
docs	docs: adding ndnSIM best practices section	2 months ago
examples	helper: Introduce helper to manage NetworkRegionTable	3 months ago
helper	helper: Introduce helper to manage NetworkRegionTable	3 months ago
model	model+helper+tests: Create an ndnSIM-specific transport for the NFD f...	3 months ago
ndn-cxx @ 4692ba8	ndn-cxx+tests: Fix hop count propagating to ndn-cxx Face	a month ago
tests	ndn-cxx+tests: Fix hop count propagating to ndn-cxx Face	a month ago

ndnSIM Related Repositories



The screenshot shows the GitHub organization page for "Named Data Networking". The header includes the GitHub logo, "This organization", a search bar, and links for "Pull requests", "Issues", and "Gist". The organization's name "Named Data Networking" is displayed with the tagline "ndnSIM-related repositories" and the website "http://named-data.net/". Below this, there are tabs for "Repositories", "People 3", "Teams 2", and "Projects 0".

The "Pinned repositories" section features three cards:

- ndnSIM**: ndnSIM: NS-3 based NDN simulator. Language: C++ (32 stars, 84 forks).
- ns-3-dev**: Forked from nsnam/ns-3-dev-git. Custom (unsupported) fork of the NS-3 simulator with necessary patches for ndnSIM. Language: Python (4 stars, 10 forks).
- scenario-template**: Template for running simulation scenarios in ndnSIM. Language: Python (6 stars, 23 forks).

A search bar "Search repositories..." is located below the pinned repositories, with filters for "Type: All" and "Language: All".

The main repository card for **ndnSIM** is shown below, including a commit history graph and a "Top languages" sidebar showing Python and C++.

**Excited to demonstrate ndnSIM
to you!**