

A Github organization for our group

vincent.roca@inria.fr and marie@mjmontpetit.com

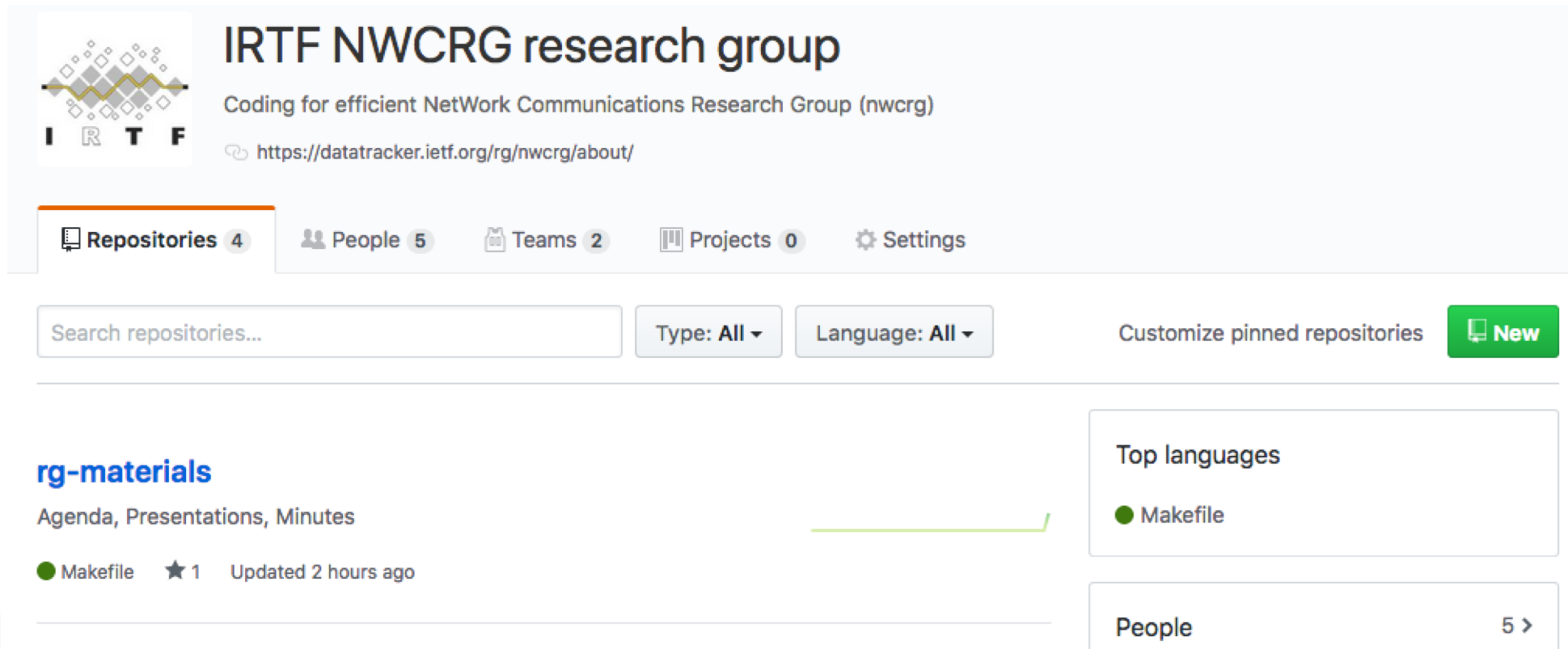
NWCRG Sep. 25th, 2018 Interim meeting

IETF group management with Github

- **a new trend**
 - “GitHub for Working Groups”, WG Chairs Lunch, IETF 102, Martin Thomson
 - ✓ <https://datatracker.ietf.org/meeting/102/materials/slides-102-edu-sessc-github-for-working-groups-00>
 - motivations:
 - ✓ Source control (with well known tools)
 - ✓ Issue management (issue tracking, pull requests)
 - ✓ Transparency (progress is open, history kept)
 - ✓ Large community
 - comes with a risk: discussions
 - ✓ our position (TBD): major discussions on nwcrg@irft.org list only

Github for NWCRG in practice

- creation of the **irtf-nwcrg organization**: <https://github.com/irtf-nwcrg/>
 - owners: Vincent, Marie-Jose, Allison



The screenshot shows the GitHub organization page for the IRTF NWCRG research group. The header includes the organization's logo (a diamond pattern with 'I R T F' below it), the name 'IRTF NWCRG research group', and the description 'Coding for efficient NetWork Communications Research Group (nwcrg)'. A link to the data tracker is provided: <https://datatracker.ietf.org/rg/nwcrg/about/>.

Below the header is a navigation bar with tabs for 'Repositories 4', 'People 5', 'Teams 2', 'Projects 0', and 'Settings'. The 'Repositories' tab is currently selected.

Below the navigation bar is a search bar labeled 'Search repositories...' and two dropdown menus for 'Type: All' and 'Language: All'. To the right of these is a link to 'Customize pinned repositories' and a green 'New' button.

The main content area displays a repository named 'rg-materials' with the description 'Agenda, Presentations, Minutes'. It shows a green dot next to 'Makefile', a star icon with the number '1', and the text 'Updated 2 hours ago'.

On the right side, there are two sidebars. The top sidebar is titled 'Top languages' and shows a green dot next to 'Makefile'. The bottom sidebar is titled 'People' and shows the number '5' with a right-pointing arrow.

Github for NWCRG in practice (2)

- **one repository per RG Item document**
 - administrators: co-authors
 - ✓ authors manage their repo as they wish, but the idea is to have all work on the I-D done there

draft-irtf-nwcrg-network-coding-satellites

Network coding and satellites

🔗 1 Updated 5 days ago

draft-irtf-nwcrg-nwc-ccn-reqs

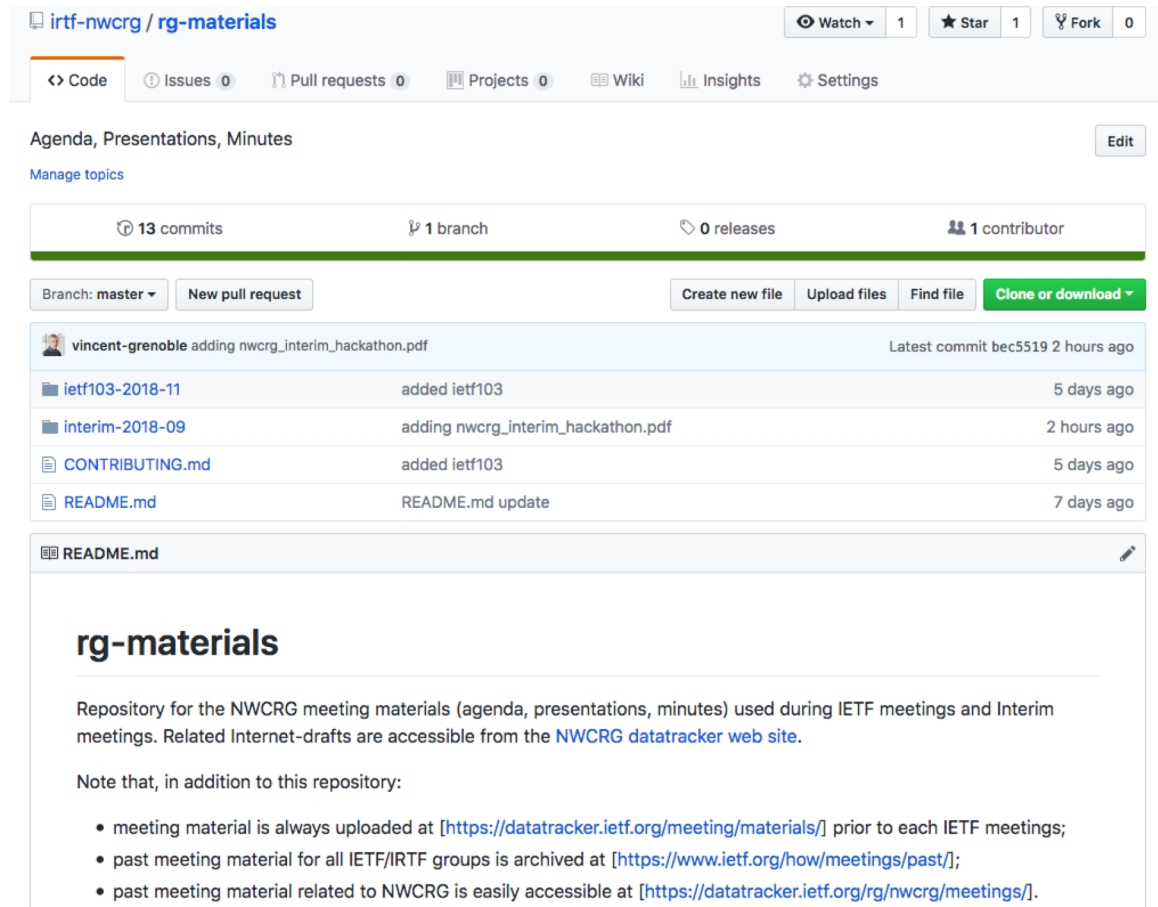
Network Coding for Content-Centric Networking / Named Data
Networking: Requirements and Challenges

Updated 6 days ago

- ✓ NB: irtf-nwcrg owners are admin too, but do not intend to interfere

Github for NWCRG in practice (3)

- a repository for **RG material**
 - put agenda, slides, minutes
 - ✓ for IETF meetings
 - ✓ for Interim meetings
 - remind IETF rules in file CONTRIBUTING.md
 - it does not replace our datatracker page!



The screenshot shows the GitHub repository page for 'irtf-nwcrg / rg-materials'. The repository has 13 commits, 1 branch, 0 releases, and 1 contributor. The latest commit by 'vincent-grenoble' is 'adding nwcrg_interim_hackathon.pdf' from 2 hours ago. The commit history table is as follows:

Commit	Message	Time
ietf103-2018-11	added ietf103	5 days ago
interim-2018-09	adding nwcrg_interim_hackathon.pdf	2 hours ago
CONTRIBUTING.md	added ietf103	5 days ago
README.md	README.md update	7 days ago

The README.md file is displayed below the commit history. It contains the following text:

rg-materials

Repository for the NWCRG meeting materials (agenda, presentations, minutes) used during IETF meetings and Interim meetings. Related Internet-drafts are accessible from the [NWCRG datatracker web site](https://datatracker.ietf.org/nwcrg/).

Note that, in addition to this repository:

- meeting material is always uploaded at [\[https://datatracker.ietf.org/meeting/materials/\]](https://datatracker.ietf.org/meeting/materials/) prior to each IETF meetings;
- past meeting material for all IETF/IRTF groups is archived at [\[https://www.ietf.org/how/meetings/past/\]](https://www.ietf.org/how/meetings/past/);
- past meeting material related to NWCRG is easily accessible at [\[https://datatracker.ietf.org/rg/nwcrg/meetings/\]](https://datatracker.ietf.org/rg/nwcrg/meetings/).

Github for NWCRG in practice (4)

- a repository for the **hackathon work**
 - put source code + guides + links to docs + ...

The screenshot shows the GitHub interface for the repository 'irtf-nwcr / sw-fec-codec'. At the top, there are buttons for 'Watch' (2), 'Star' (0), and 'Fork' (0). Below this is a navigation bar with tabs for 'Code', 'Issues' (0), 'Pull requests' (0), 'Projects' (0), 'Wiki', 'Insights', and 'Settings'. The repository name 'Open-source sliding window FEC codec (IETF hackathon)' is displayed, along with an 'Edit' button. Below the repository name, there is a 'Manage topics' link. A summary bar shows '2 commits', '1 branch', '0 releases', and '1 contributor'. Below this, there are buttons for 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find file', and a green 'Clone or download' button. The commit history shows a recent commit by 'vincent-grenoble' titled 'update of the sf-fec readme' with the latest commit hash '367a2af' made '2 hours ago'. Below the commit history, there is a file entry for 'README.md' with the title 'update of the sf-fec readme' and a timestamp of '2 hours ago'.

Github for NWCRG in practice (5)

- what about **non RG Item** documents?
 - current position: not part of the irtf-nwcrg repositories...
 - ✓ e.g., coding for QUIC and generic API I-Ds are in <https://github.com/vincent-grenoble>
 - seems reasonable (but it can be discussed on a case by case basis)
 - opinions?

About I-D format...

- I've been using XML for years, but Markdown is probably preferable
 - time to change?
 - e.g., recommendation from Martin Thomson (IETF 102)



Use Markdown

It is easier to use

...especially for IETF newcomers

You get more and better contributions

Both variants are good: [kramdown-rfc2629](#) and [mmark](#)

Let's try...

- **probably more useful than our wiki**
 - even if it's not the same service (explicit write access required to edit)
 - wiki will probably be deprecated