

Github for our NWCRG group

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

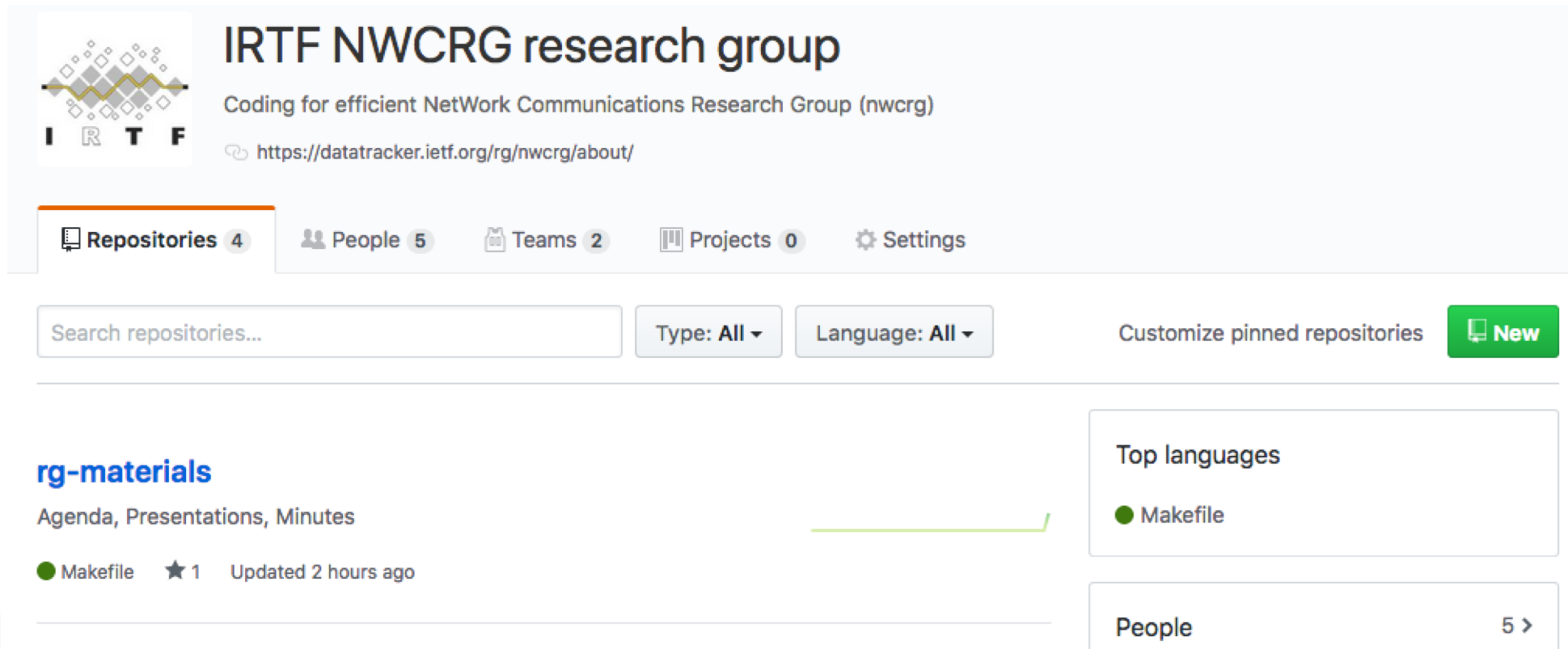
NWCRG Sep. 25th, 2018 Interim meeting

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 organization's name is "IRTF NWCRG research group" with the description "Coding for efficient NetWork Communications Research Group (nwcrg)". The website link is <https://datatracker.ietf.org/rg/nwcrg/about/>. The navigation bar shows 4 repositories, 5 people, 2 teams, 0 projects, and settings. A search bar and filters for Type and Language are present. The first repository, "rg-materials", is highlighted, showing it contains a Makefile, has 1 star, and was updated 2 hours ago. On the right, a sidebar shows "Top languages" with Makefile at the top and "People" with 5 members.

IRTF NWCRG research group
Coding for efficient NetWork Communications Research Group (nwcrg)
<https://datatracker.ietf.org/rg/nwcrg/about/>

Repositories 4 | People 5 | Teams 2 | Projects 0 | Settings

Search repositories... | Type: All | Language: All | Customize pinned repositories | New

rg-materials
Agenda, Presentations, Minutes
● Makefile ★ 1 Updated 2 hours ago

Top languages
● Makefile

People 5 >

Github for NWCRG in practice (2)

- **one repository per RG Item document**
 - co-authors are administrators
 - ✓ authors manage their repo as they wish, invite other contributors...
 - ✓ 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

Github for NWCRG in practice (3)

- in fact we create one team per RG Item document (with admin rights)
- all authors belong to that team

New team

<input type="checkbox"/> Select all		Visibility ▾	Members ▾
<input type="checkbox"/> nwcrg-network-coding-satellites-t... Work on draft-irtf-nwcrg-network-coding-satellites	  	3 members	0 teams
<input type="checkbox"/> nwcrg-nwc-ccn-reqs-team Work on draft-irtf-nwcrg-nwc-ccn-reqs		1 member	0 teams

✓ NB: irtf-nwcrg owners are admin too, but will NOT interfere!

Github for NWCRG in practice (4)

- 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 repository contains files for 'ietf103-2018-11', 'interim-2018-09', 'CONTRIBUTING.md', and 'README.md'. The README.md file is displayed, showing the repository's purpose and instructions for contributing.

Repository: irtf-nwcrg / rg-materials

Agenda, Presentations, Minutes

13 commits, 1 branch, 0 releases, 1 contributor

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

Latest commit: vincent-grenoble adding nwcrg_interim_hackathon.pdf (2 hours ago)

File	Commit Message	Time Ago
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

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/meetings/).

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 (5)

- 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 links to 'Code', 'Issues' (0), 'Pull requests' (0), 'Projects' (0), 'Wiki', 'Insights', and 'Settings'. The repository description is 'Open-source sliding window FEC codec (IETF hackathon)' with an 'Edit' button. Below the description is a 'Manage topics' link. A summary bar shows '2 commits', '1 branch', '0 releases', and '1 contributor'. Below this 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, a file named 'README.md' is listed with the same commit message and time.

irtf-nwcr / sw-fec-codec

Watch 2 Star 0 Fork 0

<> Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Open-source sliding window FEC codec (IETF hackathon) Edit

Manage topics

2 commits 1 branch 0 releases 1 contributor

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

vincent-grenoble update of the sf-fec readme Latest commit 367a2af 2 hours ago

README.md update of the sf-fec readme 2 hours ago

Github for NWCRG in practice (6)

- 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