TAC Meeting
21 June 2022
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Agenda

Opening (15 Minutes)

- Landscape updates
- TAC Sponsors for projects
- Summary of last TAC meeting & Updates from the Board Meeting

TAC Business (70 Minutes)

- GPX Presentation
- GridLab-D Presentation
- Grid Capacity Map Annual Review
- OperatorFabric Annual Review

Closing and Next Meeting (5 Minutes)
# TAC Voting Members

New members in **bold**

<table>
<thead>
<tr>
<th>Full Name</th>
<th>Account Name</th>
<th>Appointed By</th>
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<tbody>
<tr>
<td>Boris DOLLEY</td>
<td>RTE (Reseau de Transport dElectricite)</td>
<td>Vote of TSC Committee - OperatorFabric</td>
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<tr>
<td>Anne Tilloy</td>
<td>RTE (Reseau de Transport dElectricite)</td>
<td>Vote of TSC Committee - PowSyBI</td>
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<td>Carmen Best</td>
<td>Recurve</td>
<td>Vote of TSC Committee - OpenEEmeter</td>
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<td>Jonas van den Bogaard</td>
<td>Alliander</td>
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<td>Maarten Mulder</td>
<td>Alliander</td>
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<td>Antonello Monti</td>
<td>RWTH Aachen University</td>
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<td>Art Pope</td>
<td>Google</td>
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<td>Project</td>
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<td>CoMPAS</td>
<td>Frederic Fouseret, RTE &amp; Sander Jansen, Alliander</td>
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<td></td>
<td>(TAC Representative)</td>
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<td>FledgePOWER</td>
<td>Akli Rahmoun, RTE</td>
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<td>Asimenia Korompili, RWTH Aachen University</td>
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<td>Lonneke Driessen &amp; Stan Janssen, OpenADR</td>
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<td>Eloi Bail, Savoir-faire Linux</td>
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<td>Consortium (CDSC)</td>
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The Power of Together
We are using the LF Energy Landscape to showcase more project information:

- Mailing List/Slack Channel
- LFX Insights
- SBOM
- Wiki
- TSC Meeting Notes
- Calendar
- Contribution Guidelines

**ACTION:** Project leads please review your entry and ensure it is accurate; issue PR for any changes needed.
The Power of Together

TAC Sponsors for projects

As part of the benefit for LF Energy projects, the TAC has a sponsor for each project.

“Appointment of an existing TAC member by the TAC that will act as a sponsor of the project and provide recommendations regarding governance best practices.”

ASK: Volunteer to be a TAC sponsor for a project

<table>
<thead>
<tr>
<th>Project</th>
<th>Current Level</th>
<th>TAC Sponsor</th>
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Summary of last TAC meeting


Updates from the Board
Agenda

Opening (15 Minutes)
- Landscape updates
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TAC Business (70 Minutes)
- GPX Presentation
- GridLab-D Presentation
- OperatorFabric Annual Review
- Grid Capacity Map Annual Review

Closing and Next Meeting (5 Minutes)
GPX Presentation
GridLab-D Presentation
Presentation May 30, 2022
GPX SW+HW dev

In 3 steps
1. Information
2. Options
3. Consequences
1. Information – general 3/1

1) Groupmeter gathers (max 10) individual meters

2) Social interactive concept

3) Software open source
   https://github.com/GPXenergy
   Dashboard = groupmeter + individual meter

4) Hardware
   GPXconnector connects via wifi meter > server

5) Server use until end November 2022
1. Information – general 3/2

Past

GPX since 1999 in energy origin disclosure
1) In 2019 Jelle HAN/AIM set-up dashboard+HW
2) In 2020 payed improvement to present status

Future

3) GPX = non-profit, aim > GPXFoundation
4) Looking for board members
1. Information – general 3/3

Participants

1) Are satisfied but expect development
2) Believe in promising future with this idea
3) Small troubles installing HW by different guides
4) Exiting current clamp situation between wires
2. Option – general 3/1

Ideal situation architecture

Auctions & bilaterals etc

€

Contracts

My Energy Balance

Transfers

Clearing

Accounts

Dynamic banking
2. Option – general 3/2
2. Option – general 3/3

1. Dashboard plus chat-functionality
2. Groupmeter with graph-functionality
3. Groups to form in clusters
4. Windpark & solarfield connecting
5. Together in energy-neutral ‘experience’
6. Better hardware (no adapter)
7. GPXFFoundation (open source & non-profit)
3. Consequences

- What if then else – effort & results
- SWOT – scalability to micro & macro!
- LFE (Linux) interested
- NL-AIC (Artificial Intelligence) interested
- Participants do not like surprises in GDPR
- Data ownership very delicate
FIN

- Last page
- Financial consequences
- Way to cooperate and
- How to move forward

Thank you.
Contact: https://www.gpx.nl/contactpagina/
Bonus slides 5/1

Figuur 6 - Sitemap dashboard
Bonus slides 5/2
Bonus slides 5/3
1. Dashboard subscribed aan groepsmeter
2. GPX-Connectors sturen constant nieuwe data door
3. Socket update dashboard met live data
4. Systeemeisen  

System-requirements

Bonus slides 5/5
May30-2022 Egbert Bouwhuis
Contact:
https://dashboard.gpx.nl/info
https://gpx.nl
Google: groupmeter gpx
Phone NL 0031 6 20364506
OperatorFabric Annual Review
Annual Review for OperatorFabric (2022/06/21)

Frédéric DIDIER and Boris DOLLEY (from rte-france.com)
AGENDA

• OpFab Recalls
• Our Team / Community
• Key resources (Browsing few links together)
• Assessment (graduation stages)
• Contributions and KPIs
• Key achievements
• Growth plan
• Feedback working with LFE
OperatorFabric - Recalls (1/2)

**Brief Description:** A smart assistant for utilities system Operators (whatever their business is).

OpFab is a framework built to provide the right information to the right person at the right time and we like to add with the highest possible added value

Provide, for example, a last time to decide process with pre set counter actions

**Current stage:** Early Adoption and we are not aiming for the Graduated stage for this review.

**Contributed by:** RTE

**TSC Chairperson:**
Boris DOLLEY <boris.dolley@rte-france.com>

**TSC Members and Affiliations:**
- Frédéric Didier (RTE)
- Boris Dolley (RTE)
- Alexandra Guironnet (RTE)
- Valérie Longa (RTE)
- Floris van der Meulen (Alliander)
- Guillaume Trimbach (RTE)
OperatorFabric - Team and Community

PROJECT MANAGEMENT
Project Director OF
|-> Boris DOLLEY

CORE DEVELOPERS (RTE)
Technical Leader
|-> Frédéric DIDIER
Core Developer
|-> Valérie LONGA
|-> Olivier PIGEON

Prestataires Externes
|-> Giovanni FERRARI (SoftLab)

RTE functional and technical contributors
Pierre DE LONGEAUX ; Jérôme DEJAEGHER ; Gabriel LANGOUET ; Éric PIRIOU ; Xavier PIRIOU ; Benoit JEANSON ; Vincent BARBESANT ; Guillaume TRIMBACH ; Alice CARON ; …

CORE FELLOWS (ALLIANDER)

![Profiles of team members]
Key resources / links

- Github: https://github.com/opfab
- Website: https://opfab.github.io/
- Artwork: https://opfab.github.io/assets/img/logo_lfe_operatorfabric.png
- Mailing lists:
  - OperatorFabric Announcements
  - OperatorFabric Technical Steering Committee
- Slack channel: https://lfenergy.slack.com/archives/C025ZGJPMX4
- CII Badge URL: https://bestpractices.coreinfrastructure.org/fr/projects/4806
Project graduation projection

- 2018: Project Proposal
  - Develop ideas, focuses

- 2019: Sandbox
  - Form scope, gain consensus

- 2019: Incubation
  - Build community

- 2020 - 2024: Early Adoption
  - Gain industry traction

- Graduated
  - Ready for production
Early Adoption/Graduation Project review criteria

To be accepted into the Graduation stage, a project must meet the Early Adoption stage requirements plus:

- Have a defined governing body of at least 5 or more members (owners and core maintainers), of which no more than 1/3 is affiliated with the same employer. In the case there are 5 governing members, 2 may be from the same employer.
- Have a healthy number of contributions or committers from at least three organizations, with any one organization not composing more than 50% of the contributions or committers. Committers must be identified within the project in a COMMITTERS file.

*Our TSC currently has 6 voting members: 1 from Alliander & 5 from RTE.*

*We have commits from 3 organizations (Alliander, RTE-I and RTE) but RTE still makes up over 50% of the contributions. No COMMITERS file.*
Early Adoption/Graduation Project review criteria

- Have fulfilled or are on track to complete the growth plan defined in the Early Adoption stage proposal.

  *We have to formally define a growth plan.*

- Have a public list of project adopters for at least the primary repo (e.g., ADOPTERS.md or logos on the project website).

  *We have reached out to organizations that are working with OperatorFabric to see if they would agree to be on this list.*

- Achievement of the Core Infrastructure Initiative Best Practices badge at the Gold level.

  *Currently, 97% of the passing level:
  - We have start working on the "dynamic testing" requirement
  - We have yet no "interim versions" but we do not need it as we are in short release process with continuous delivery in production (a release every 3 weeks, and in production in RTE one or two week after)*
Early Adoption/Graduation Project review criteria

- Present to the TAC and the Governing Board on the fulfillment of these requirements.

- Receive a ⅔ majority vote from the TAC and majority vote of the Governing Board to move to Graduated stage. Projects can move directly from Incubation to Graduated status if they can demonstrate sufficient maturity and have met all requirements.

*We are not aiming for the Graduated stage for this review… It will comes 😊*
Contributions

Summary

1,882 Commits
630 Pull Requests
9 Submitters

Commits Percentage By Organization

- RTE (Réseau de Tra...
- Softlab Tech S.p.A.
- Allianz
- Team Rockstars IT
- RTI International

Pull Requests By Organization

- RTE (Réseau de Tra...
- Softlab Tech S.p.A.
- Allianz
- Team Rockstars IT
- RTI International

Issues By Organization

- RTE (Réseau de Tra...
- Individual - No Acco...
- Softlab Tech S.p.A.
- Allianz
- Team Rockstars IT
- RTE International
- Unknown
- LLC "Import Export ..." TotalEnergies SE

Slack public channel

- 338 Messages
- 1 Channels
- 11 Participants
- 20 Replies
- 59 Reactions
Organizations contributing and/or using in production
Key Achievements in the past year

• Improve end to end testing coverage

• Continuous Integration tool improvement by migration from Travis CI to Github Actions

• 14 major releases (one every 3 or 4 weeks): Releases · opfab/operatorfabric-core · GitHub

2022/01: Usage in production environment in all RTE Control rooms
Growth plan

• ROADMAP
  • see detailed roadmap

• COMMUNICATIONS
  • Webinar RTE-international + RTE : septembre 2022
  • TFiR interview (Project Director + TechLead)
  • FOSDEM 2023 Energy Dev Room ?
  • LinkedIn news ?
Feedback on working with LF Energy

- Great to ritualize TSC and Annual Reviews at TAC (challenging)
- Provided advice on standard practices in the open source world, and experience on what works and what doesn't
- Events
- Pushed us out of our comfort zone, and towards more transparent processes
- There is an overhead, but it's also an opportunity to step back and reflect on the project.
Areas the project could use help on

- Better tuning our growth plan
- CCI Badges mentoring to reach (from 97 to 100%)
- Attracting new users & contributors
  We are in the process of defining and designing new features that are going to have structuring impact on the project, so it's critical for us to have as many opinions and use cases as possible.
TAC Open Discussion
Grid Capacity Map Annual Review
<table>
<thead>
<tr>
<th>Project</th>
<th>Current Level</th>
<th>Initially Accepted</th>
<th>Last Review Date</th>
<th>Next Review Date</th>
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Closing and Next Meeting (5 Minutes)
Next TAC Meeting

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NOTE: New meeting invite for series titled ‘LF Energy TAC meeting (2022)’ from ‘LF Energy (LFE) - Meetings <meetings@lfx.linuxfoundation.org>’. Register for meeting at https://zoom-lfx.platform.linuxfoundation.org/meeting/98588947265 Please remove all other meeting invites.

Agenda will include:
- Recap of last TAC meeting/Governing Board updates
- CoMPAS Annual Review
Thank you!
Outreach

- TFIR videos
  - https://www.tfir.io/?s=lf+energy
- Recent press articles
  - https://www.lfenergy.org/news/media-coverage/
- We want your project news!
  - Doesn't need to be anything huge!
  - Examples of news:
    - New releases (example https://github.com/powsybl/pypowsybl/releases)
    - New features added
    - New maintainers/organizations involved
    - Upcoming plans