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**

Full Name	Account Name	Appointed By
Boris DOLLEY	RTE (Reseau de Transport dElectricite)	Vote of TSC Committee - OperatorFabric
Anne Tilloy	RTE (Reseau de Transport dElectricite)	Vote of TSC Committee - PowSyBl
Carmen Best	Recurve	Vote of TSC Committee - OpenEEmeter
Jonas van den Bogaard	Alliander	Membership Entitlement
Maarten Mulder	Alliander	Vote of TSC Committee - GXF
Benoît Jeanson	RTE (Reseau de Transport dElectricite)	Membership Entitlement
Antonello Monti	RWTH Aachen University	Vote of TSC Committee - SOGNO
Art Pope	Google	Membership Entitlement

LF Energy Hosted Project and Working Group Leads

Changes in **bold**

Project	Project Lead(s)
PowSyBl	Anne Tilloy, RTE
OperatorFabric	Boris Dolley, RTE
OpenEEmeter	Carmen Best, Recurve
GXF	Maarten Mulder, Alliander
SOGNO	Antonello Monti, RWTH Aachen University
CoMPAS	Frederic Fouseret, RTE & Sander Jansen, Alliander (TAC Representative)
FledgePOWER	Akli Rahmoun, RTE
Hyphae	Asimenia Korompili, RWTH Aachen University
openLEADR	Lonneke Driessen & Stan Janssen, OpenADR
SEAPATH	Eloi Bail, Savoir-faire Linux
Grid Capacity Map	Per Lysemose Hansen, Energinet
Shapeshifter	Jelle Wijnja, Alliander
OpenSTEF	Frank Kreuwel, Alliander
EVerest	Marco Möller, PIONIX
OpenGEH	Martin F. Hansen, Energinet
FlexMeasures	Nicolas Höning, Seita Energy Flexibility B.V.
OCPP Cloud Connector	Rebecca Wolkoff, Chargenet
Full Architecture WG (FAWG)	Benoît Jeanson, RTE
Carbon Data Specification Consortium (CDSC)	TBD

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Landscape now with more project info!

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.

LF Energy Early Adoption   LF Project

Open Source Software   License Mozilla Public License

CII Best Practices 25%

more... total: ⭐52

Crunchbase	crunchbase.com/organization/lf-energy		
LinkedIn	linkedin.com/company/lf-energy		
Twitter	@LFE_Foundation	Latest Tweet	this week
First Commit	5 years ago	Latest Commit	3 weeks ago
Contributors	35	Headcount	1-10
Headquarters	San Francisco, California		

Mailing List	https://lists.lfenergy.org/g/sogno-discussion
Slack Channel	#sogno
LFX Insights	https://insights.lfx.linuxfoundation.org/projects/lfenergy%2Fsogno
Wiki Page	https://wiki.lfenergy.org/display/HOME/SOGNO
SBOM	https://github.com/lfscanning/spdx-lfenergy/tree/main/sogno
TSC Meeting Notes	https://github.com/sogno-platform/tsc/tree/master/tsc/meetings
Calendar	https://lists.lfenergy.org/g/sogno-tsc/calendar
Contribution Guidelines	https://github.com/sogno-platform/tsc/blob/master/CONTRIBUTING.md

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

Project	Current Level	TAC Sponsor
CoMPAS	Incubation	
Carbon Data Specification Consortium	Standards	
EVerest	Incubation	
FledgePOWER	Incubation	Benoît Jeanson
FlexMeasures	Incubation	
Full Architecture Working Group (FAWG)	Working Group	
Grid Capacity Map	Incubation	
GXF	Early Adoption	Jonas van den Bogaard
Hyphae	Incubation	Antonello Monti
OpenEEmeter	Incubation	Carmen Best
OpenGEH	Incubation	
OpenLEADR	Incubation	
OpenSTEF	Incubation	Jonas van den Bogaard
OperatorFabric	Early Adoption	Boris Dolley
PowSyBl	Early Adoption	Anne Tilloy
SEAPATH	Incubation	Benoît Jeanson
Shapeshifter	Incubation	Jonas van den Bogaard
SOGNO	Early Adoption	Antonello Monti

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Summary of last TAC meeting

- Meeting notes and deck at
  https://wiki.lfenergy.org/display/HOME/Technical+Advisory+Council#
  TechnicalAdvisoryCouncil-MeetingMinutes

Updates from the Board

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

<u>Closing and Next Meeting (5 Minutes)</u>

GPX Presentation

Presentation May30, 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 untill 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

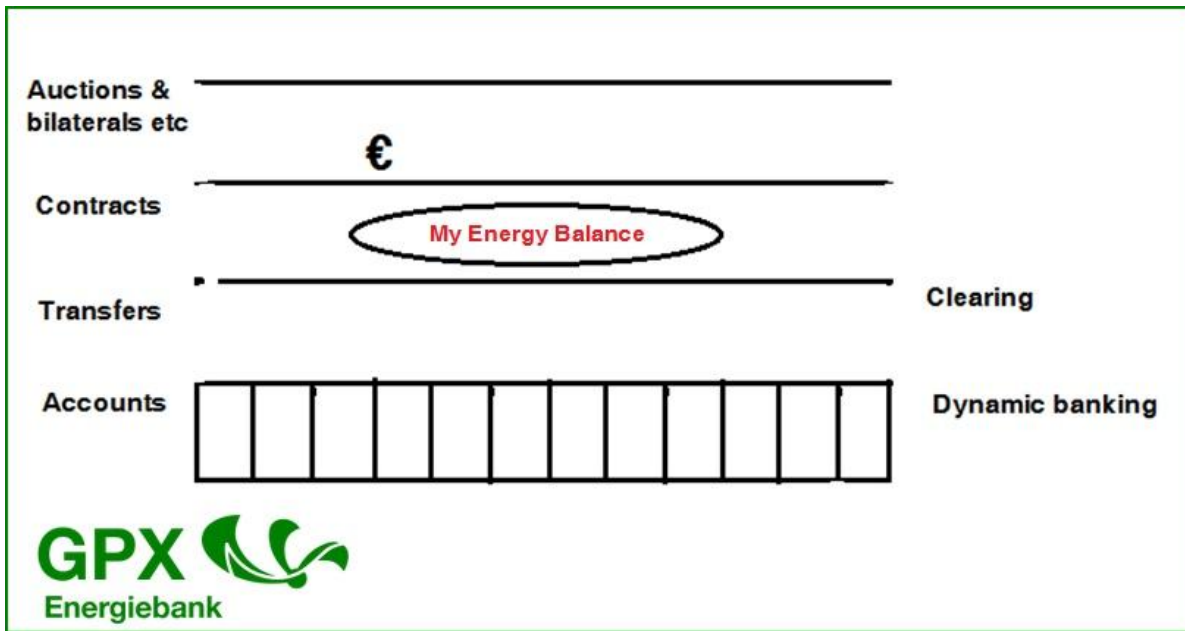3) GPX = non-profit, aim > GPXFoundation

4) Looking for board members

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

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. GPXFoundation (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

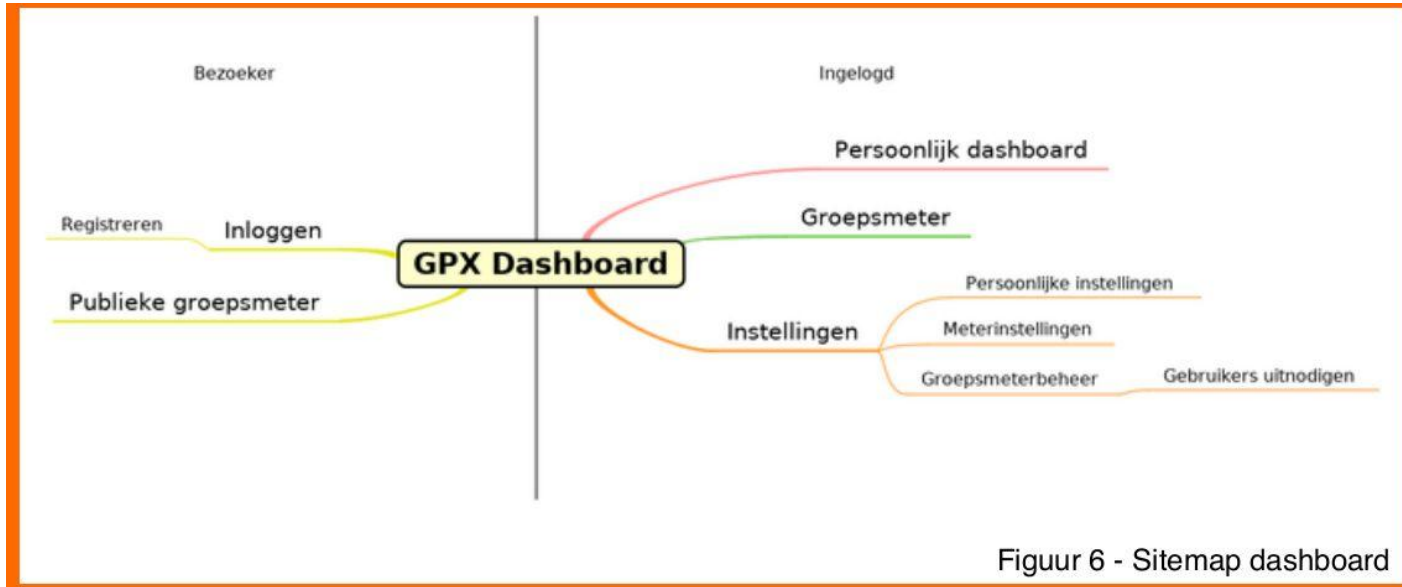# FIN

- 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
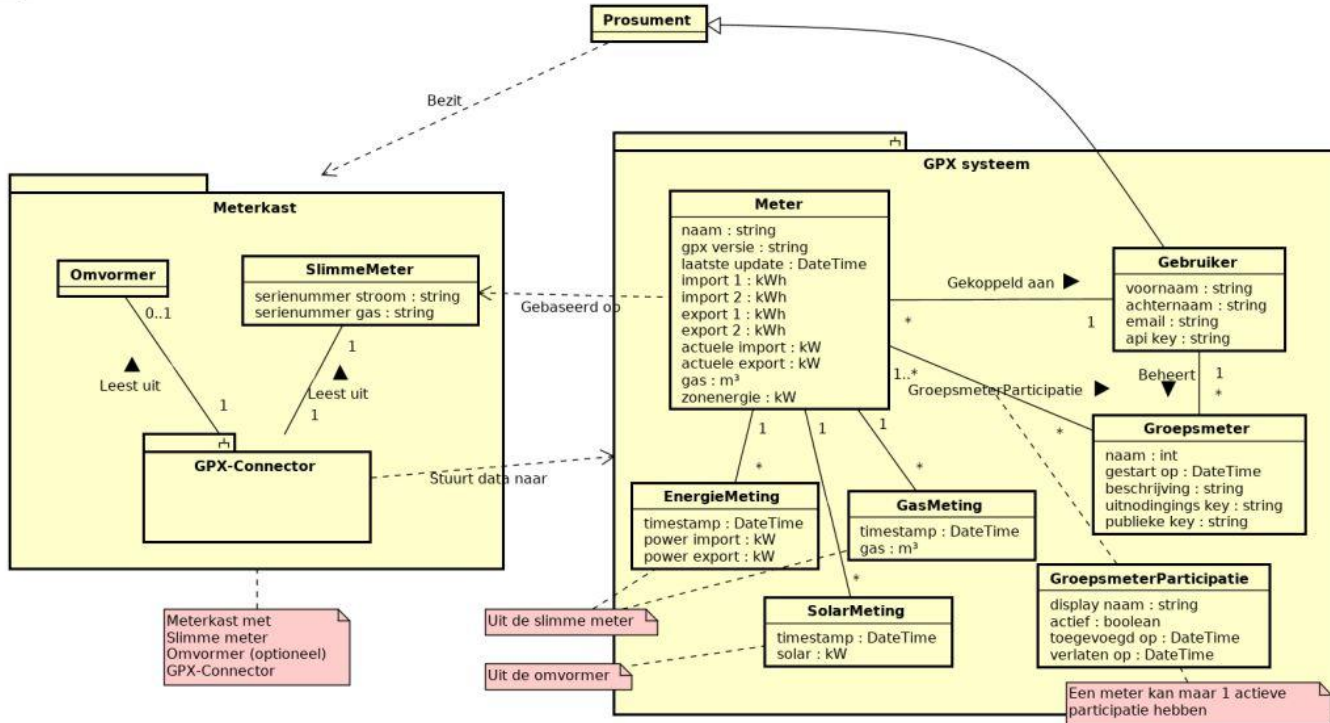
Bonus slides 5/2
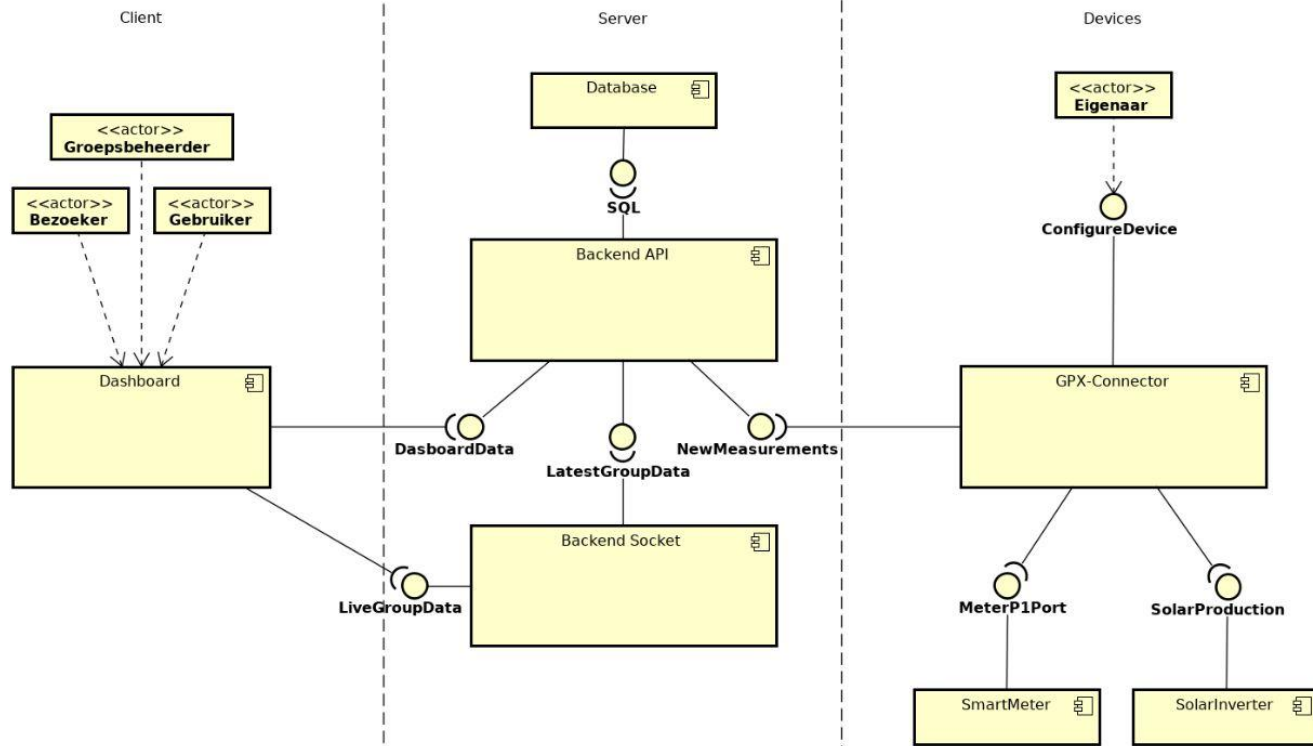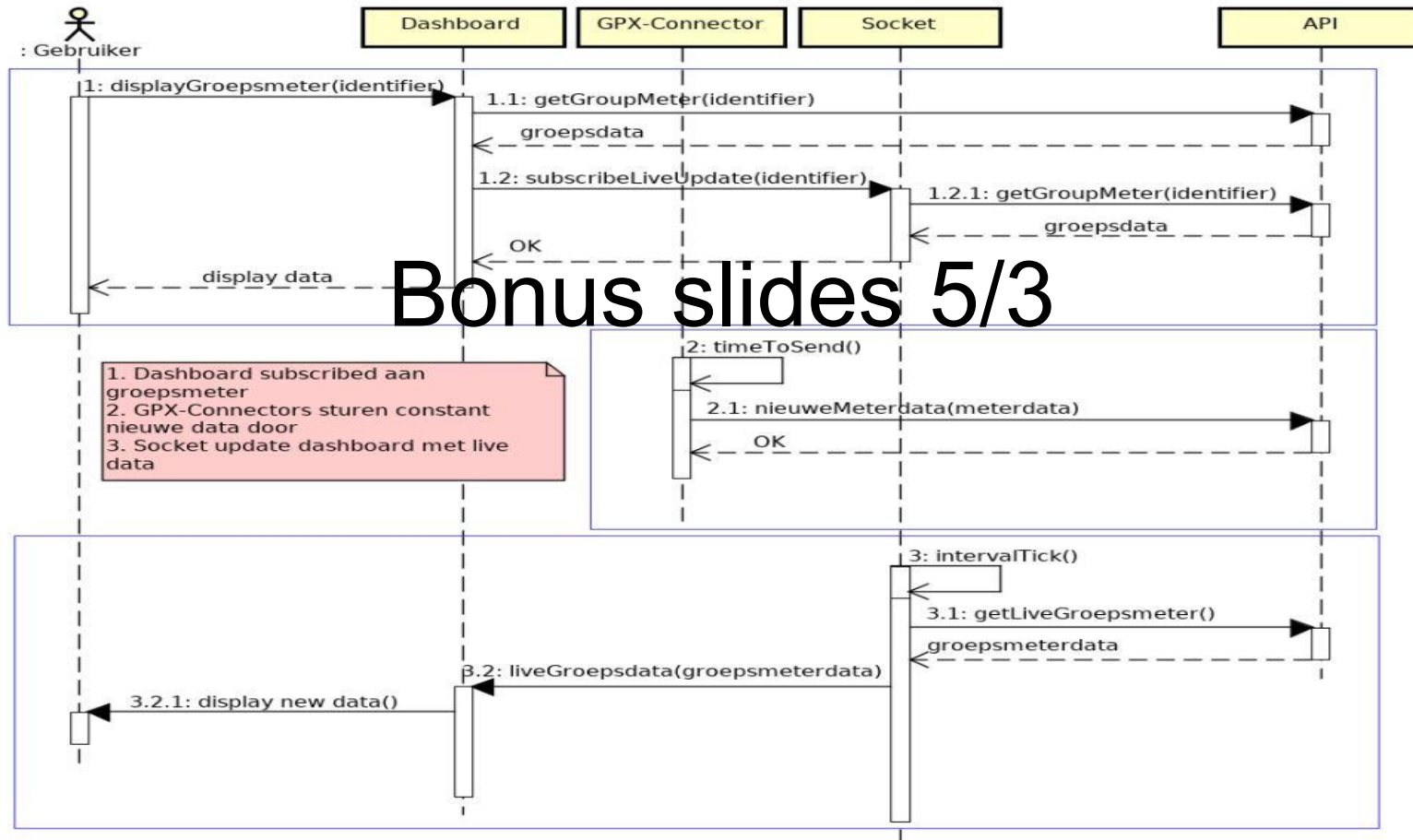
Bonus slides 5/3

Bonus slides 5/4

4. Systeemeisen   System-requirements

Dit hoofdstuk beschrijft de eisen aan de opdracht, onderverdeeld in functionele en niet-functionele eisen. Hiervoor wordt FURPS gebruikt, dat staat voor: Functionality, Usability, Reliability, Performance, Supportability. De eisen zijn geprioriteerd met behulp van de MoSCoW methodiek.

Bonus slides 5/5
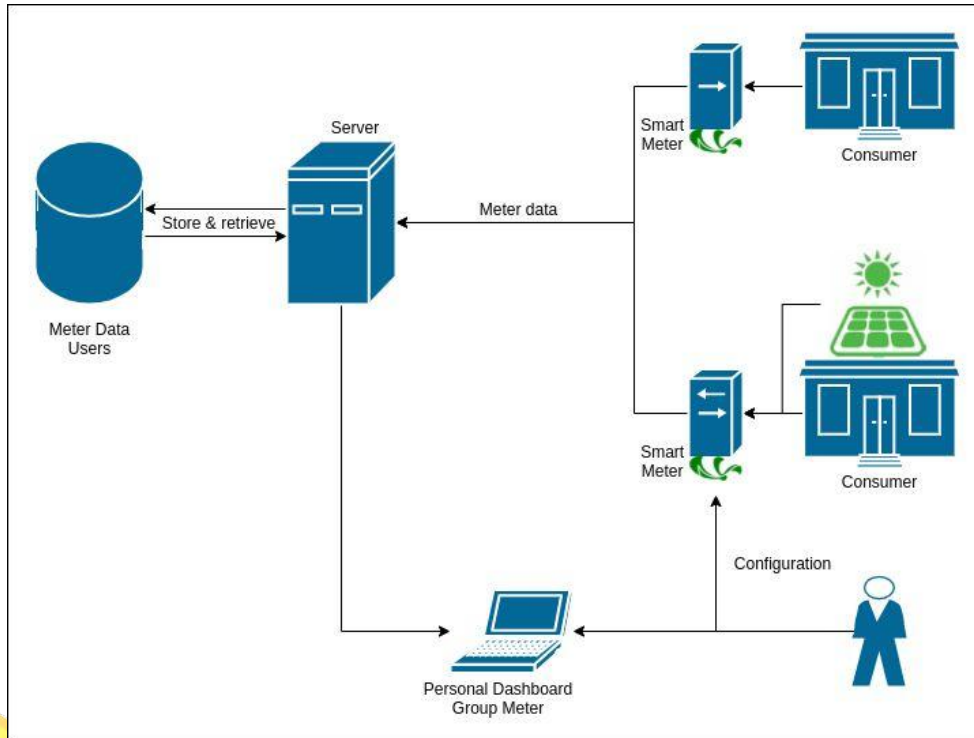
May30-2022 Egbert Bouwhuis
Contact:
https://dashboard.gpx.nl/info
https://gpx.nl
Google: groupmeter gpx
Phone NL 0031 6 20364506

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 - R

OperatorFabric - Team and Community

PROJECT MANAGEMENT

Project Director OF
|-> Boris DOLLEY

CORE DEVELOPERS (RTE)

Technical Leader
|-> Frédéric DIDIER

Core Developper
|-> 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)

JeroenGommans

Floris van der Meulen

geppyz

sjoerdadema

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/C025ZGJPXM4

- **CII Badge URL:** https://bestpractices.coreinfrastructure.org/fr/projects/4806

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Project graduation projection

2018

2019

2019

2020 - 2024

Project Proposal

Sandbox

Incubation

Early Adoption

Graduated

Develop ideas, focuses

Form scope, gain consensus

Build community

Gain industry traction

Ready for production
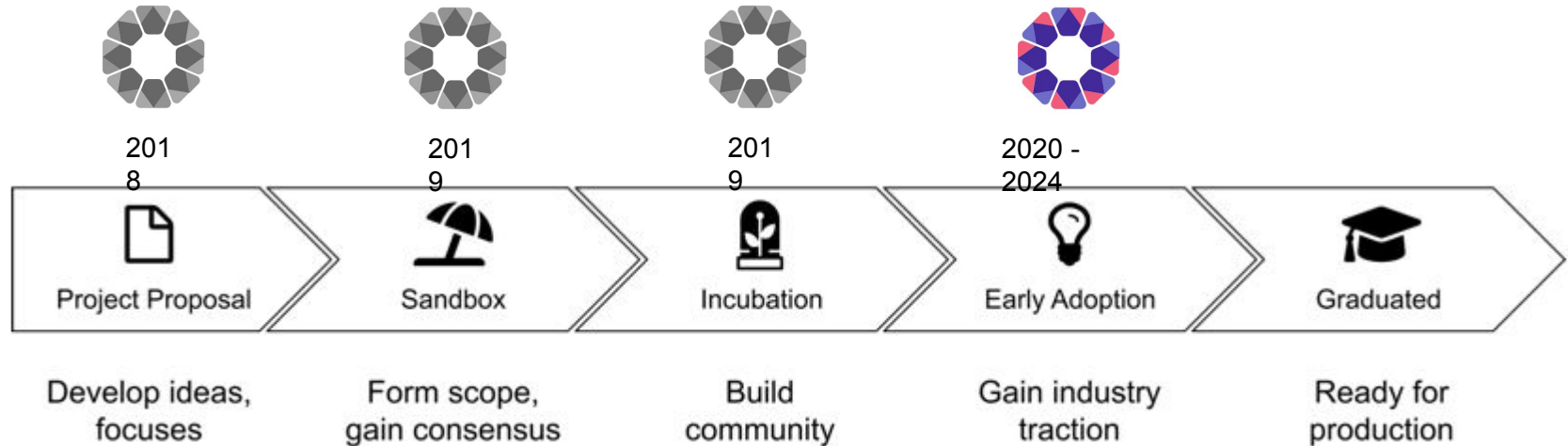
Early Adoption/Graduation Project review criteria

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.

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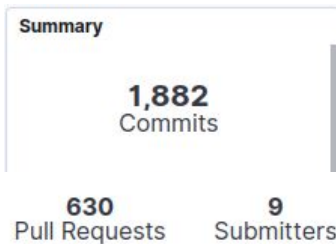
Currently, 97% of the passing level :
- We have start working on the "dynamic testing" requirement
- We have yet no "interim versions" but we do not need it as we are in short release process with
continuous delivery in production (a release every 3 weeks , and in production in RTE one or two week after)

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 ☺

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Contributions

Summary

1,882 Commits

630 Pull Requests

9 Submitters

Commits Percentage By Organization ⓘ

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

Issues By Organization ⓘ

- RTE (Reseau de Tra...
- Individual - No Acco...
- Softlab Tech S.p.A.
- Alliander
- Team Rockstars IT
- RTE international
- Unknown
- LLC "Import Export ...
- TotalEnergies SE
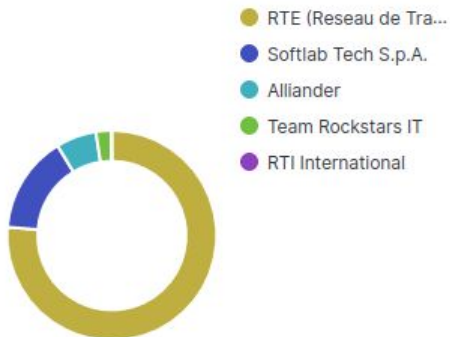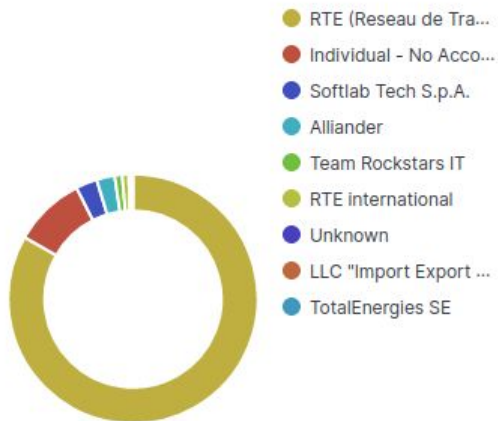
Pull Requests By Organization ⓘ

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

Slack public channel

338 Messages

1 Channels

11 Participants

20 Replies

59 Reactions

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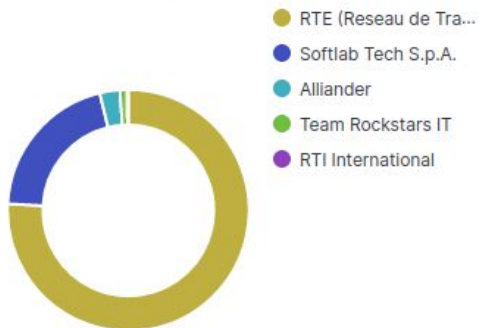
Organizations contributing and/or using in production

European Commission Project

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 ?

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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.

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TAC Open Discussion

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Grid Capacity Map Annual Review

Project Review Cycle

Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
~~Grid Capacity Map~~	~~Incubation~~	~~April 27, 2021~~		~~June 21, 2022~~
~~OperatorFabric~~	~~Early Adoption~~	~~April 30, 2019~~	~~July 20, 2021~~	~~June 21, 2022~~
CoMPAS	Incubation	May 5, 2020	June 29, 2021	July 12, 2022
PowSyBl	Early Adoption	April 30, 2019	August 31, 2021	August 23, 2022
OpenEEmeter	Incubation	June 4, 2019	October 12, 2021	September 13, 2022
OpenSTEF	Incubation	September 21, 2021		September 13, 2022
GXF	Early Adoption	February 4, 2020	October 12, 2021	October 4, 2022
OpenGEH	Incubation	October 12, 2021		October 4, 2022
OpenLEADR	Incubation	September 15, 2020	November 23, 2021	October 25, 2022
SEAPATH	Incubation	October 6, 2020	November 23, 2021	October 25, 2022
EVerest	Incubation	October 12, 2021		November 15, 2022
FlexMeasures	Incubation	November 2, 2021		November 15, 2022
Hyphae	Incubation	December 8, 2020	December 14, 2021	December 6, 2022
Full Architecture Working Group (FAWG)	Working Group		January 25, 2022	January 17, 2023
Data Architecture Working Group (DAWG)	Working Group		January 25, 2022	January 17, 2023
FledgePOWER	Incubation	February 11, 2021	February 15, 2022	February 28, 2023
SOGNO	Early Adoption	October 27, 2020	March 8, 2022	March 21, 2023
OCPP Cloud Connector	Sandbox	March 8, 2022		March 21, 2023
Shapeshifter	Incubation	April 6, 2021	April 19, 2022	April 11, 2023

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Next TAC Meeting

The next meeting of the LF Energy TAC is scheduled for 29 June 2022 at 8:00 am US Pacific Time/11:00 am US Eastern Time/5:00 pm Central European Time.

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

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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