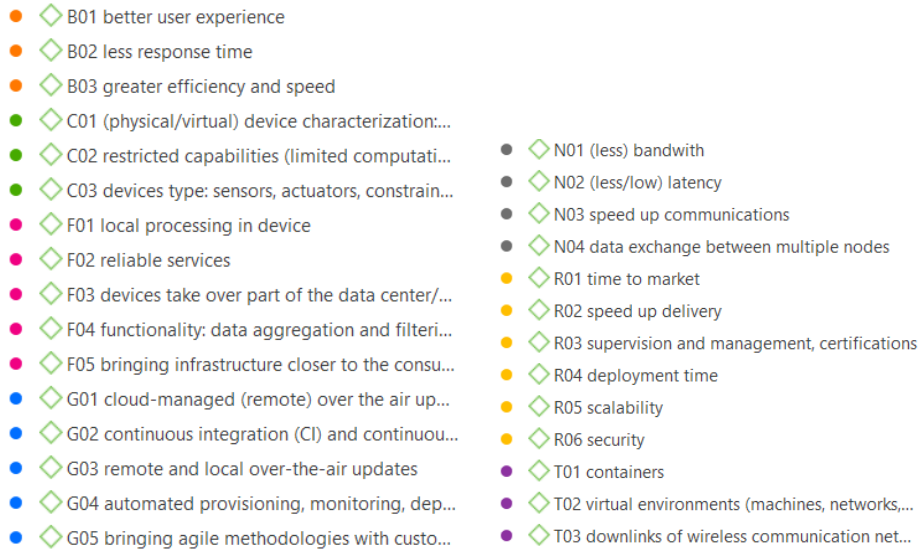
Questionnaire: 7, 10, 13, 14, 15, 16, 17, 19, 21

ITERATION 1

case study survey edge - ITERATION1 (master)

- 6 documents: 16, 17, 18, 22, 23, 24
- 29 codes



- 65 quotations

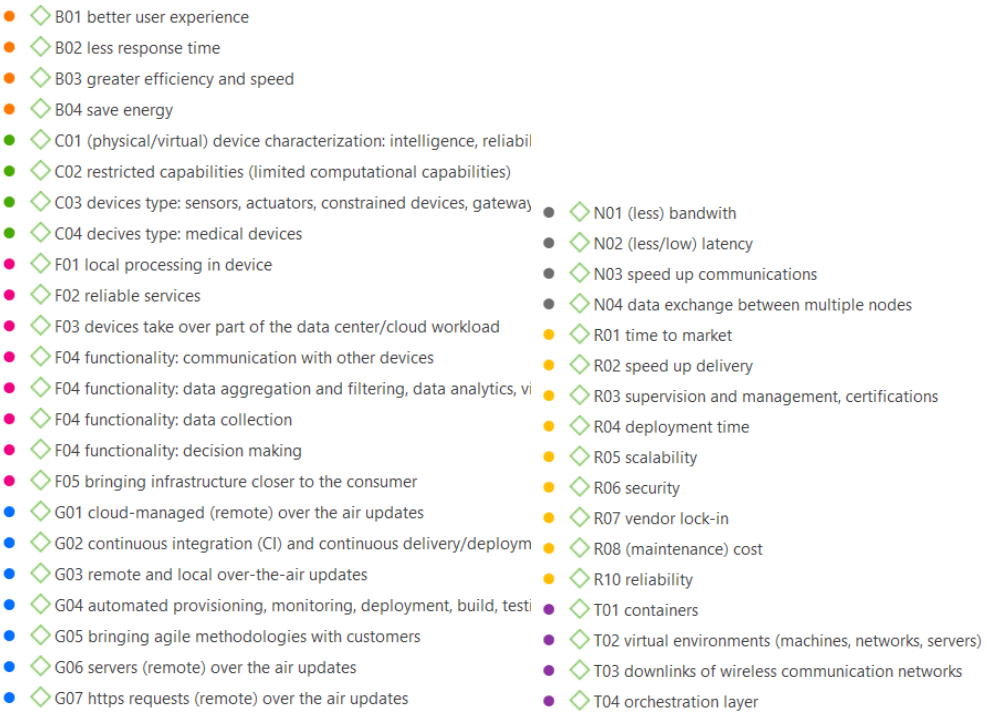
CODER1 (jpm) case study survey edge - ITERATION1 (jepm)

Changes: NA

CODER 2 (jdf) case study survey edge - ITERATION1 (jdf)

Changes:

- 6 documents
- 40 codes



- 70 quotations
    - D2: new quotations 2:12 2:13
    - D3: modified quotation 3:5 3:9 new quotation 3:14
    - D4: modified quotation 4:3 deleted quotation 4:4
    - D5: modified quotation 5:12 new quotation 5:13 5:14
    - D6: modified quotation 6:7 new quotation 6:14

CODER 3 (cgp) case study survey edge - ITERATION1 (cgp)

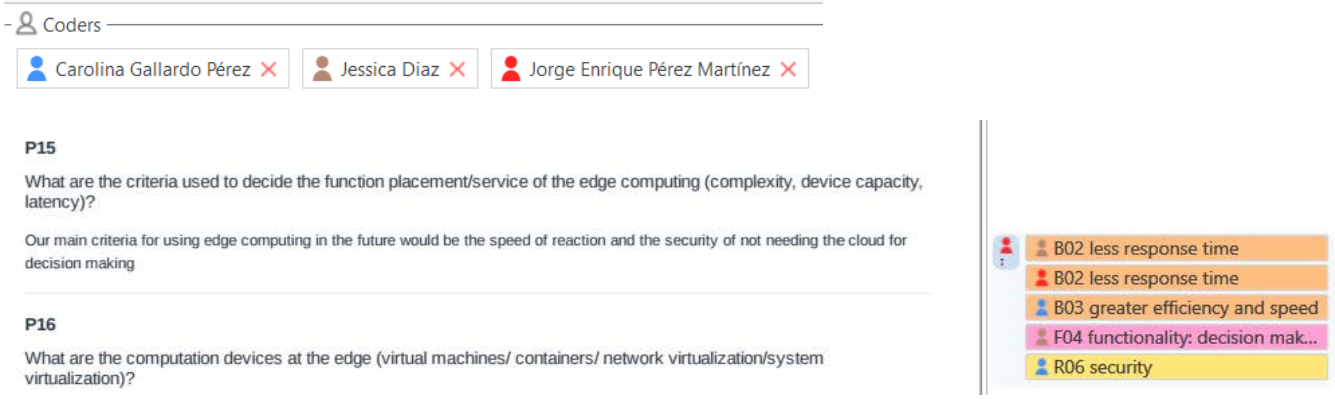
No changes.

DISAGREEMENTS IN CODING

See case study survey edge - ITERATION1 ICA (jdf + jepm + cgp) - alpha binary.pdf
See case study survey edge - ITERATION1 ICA (jdf + jepm + cgp) - alpha binary.xlsx

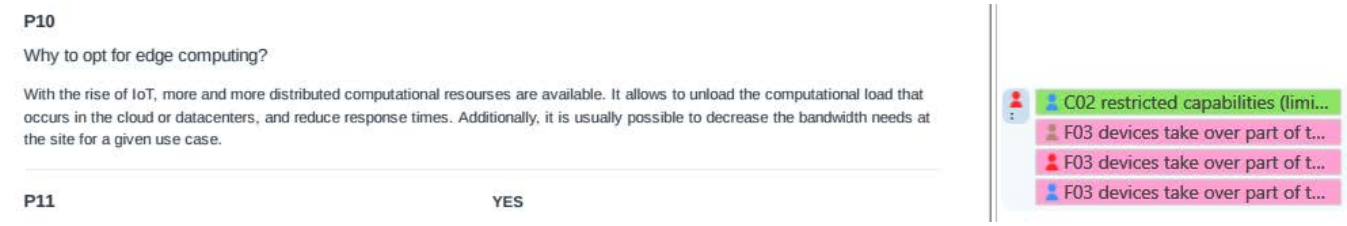
See case study survey edge - ITERATION1 ICA (jdf + jepm + cgp) - cu alpha.pdf
See case study survey edge - ITERATION1 ICA (jdf + jepm + cgp) - cu alpha.xlsx

- B02 less response time
- B03 greater speed and efficiency
- R06 security
- F04 decision making



- C01 (physical/virtual) device characterization: intelligence, **reliability**, security, efficiency, availability, status, load
- F03 devices take over part of the data center/cloud workload

- C02 restricted capabilities (limited computational capabilities)



C01 (physical/virtual) device characterization: intelligence, reliability, security, efficiency, availability, status, load

C03 devices type: sensors, actuators, constrained devices, gateways, micro-controllers, miniPCs, servers

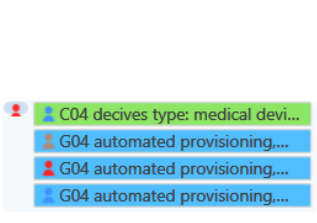
P19

Have your IoT Edge solutions automatized any other process of the application lifecycle (e.g., device provisioning, build, testing, monitoring, etc.)?

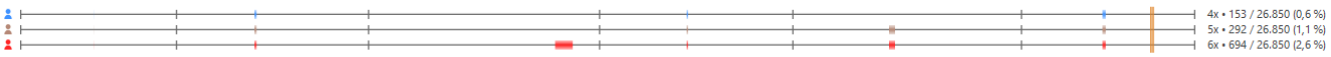
yes, device provisioning and monitoring device health.

P20

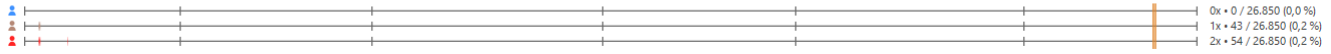
What do you think about the necessary effort in the development of IoT edge solutions versus traditional IoT cloud solutions? Could you estimate the percentage of the difference?



F04 functionality: data aggregation and filtering, data analytics, video processing, artificial intelligence, control logic

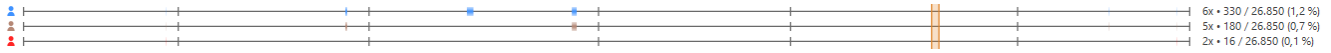


F05 bringing infrastructure closer to the consumer

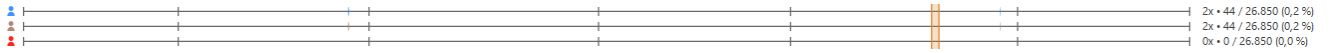


G04 automated provisioning, monitoring, deployment, build, testing, maintaning

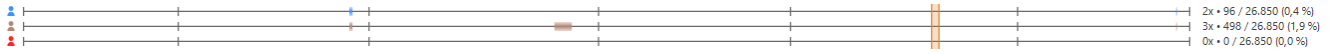
R06 security



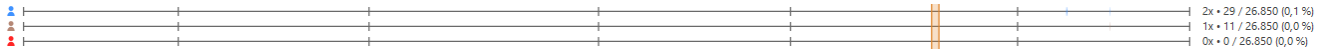
R07 vendor lock-in



R08 (maintenance) cost



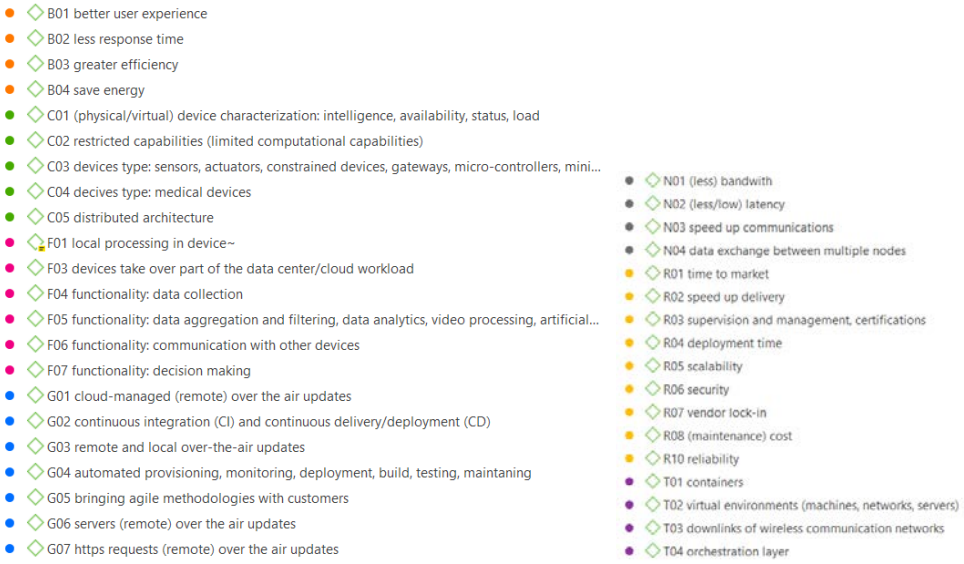
R10 reliability



ITERATION 2

case study survey edge – ITERATION2 (master)

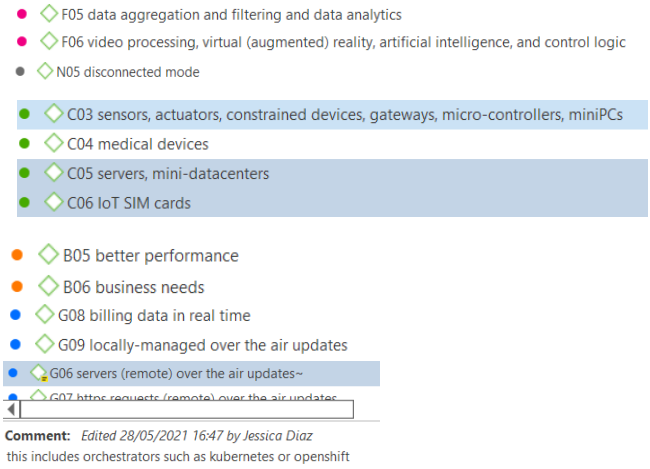
- 6 documents: 01, 02, 04, 05, 07, 09
- 39 codes



- 69 quotations

CODER1 (jdf) case study survey edge – ITERATION2 (jdf)

- 47 codes



CODER 2 (jepm) case study survey edge – ITERATION2 (jepm)

No changes.

CODER 3 (cgp) case study survey edge – ITERATION2 (cgp)

No changes.

DISAGREEMENTS IN CODING

NA because Krippendorf alpha thresholds > 0.8

See case study survey edge - ITERATION2 ICA (jdf + jepm + cgp) - alpha binary.pdf
See case study survey edge - ITERATION2 ICA (jdf + jepm + cgp) - alpha binary.xlsx

See case study survey edge - ITERATION2 ICA (jdf + jepm + cgp) - cu alpha.pdf
See case study survey edge - ITERATION2 ICA (jdf + jepm + cgp) - cu alpha.xlsx