

2st Open call – Technical details - Webinar

Grant agreement: 688467

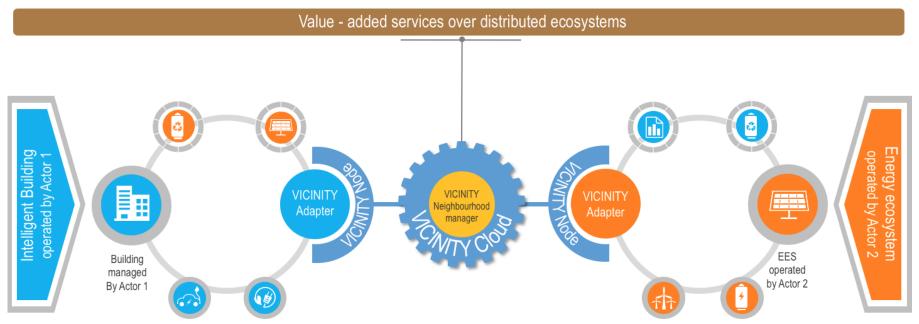
Open virtual neighbourhood network to connect intelligent buildings and smart objects







VICINITY Peer-to-peer interoperability concept



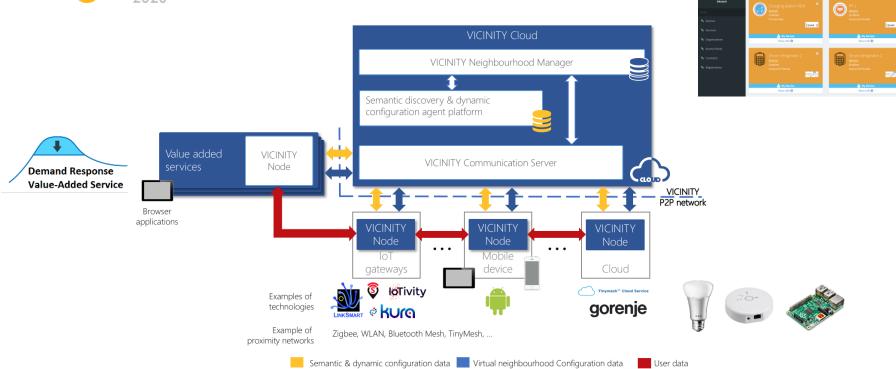
2nd VICINITY Open call for integration of new Valueadded services in the VICINITY







VICINITY Architecture overview





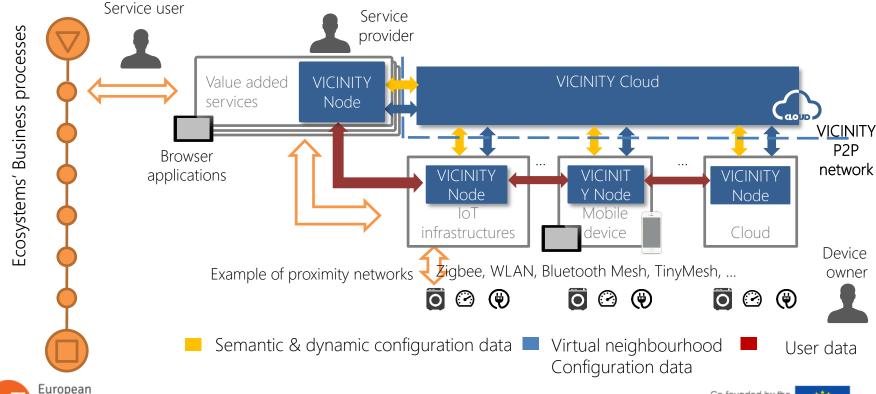




Platforms

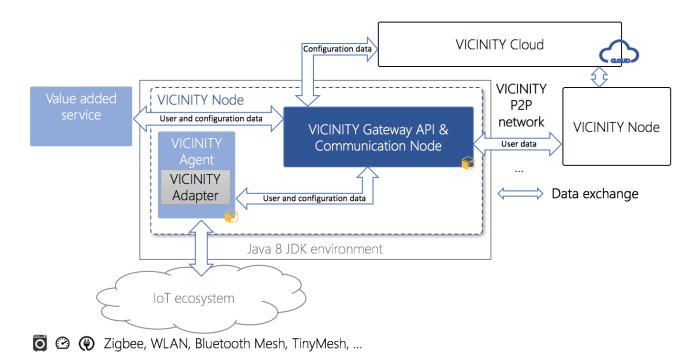
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Value-added service logic is implemented outside of the VICINITY Code components.





VICINITY is integrated through VICINITY Node into Value-added service ecosystem









Implement VICINITY Adapter using GW API and VICINITY Agent

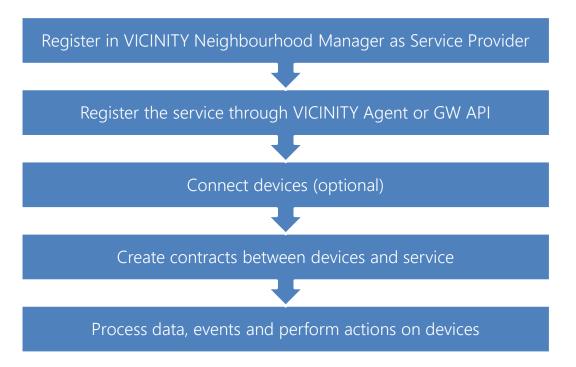
- VICINITY Get started documentation:
 - https://vicinity-get-started.readthedocs.io/
 - https://github.com/vicinityh2020/vicinity-neighbourhood-manager
 - https://github.com/vicinityh2020/vicinity-agent
- VICINITY set of APIs:
 - https://vicinityh2020.github.io/vicinity-gateway-api
 - https://vicinityh2020.github.io/vicinity-neighbourhood- manager-api
 - https://app.swaggerhub.com/apis/intersoft.sk/vicinity-adapter/1.0.0







How to connect Value-added service into VICINITY Platform





































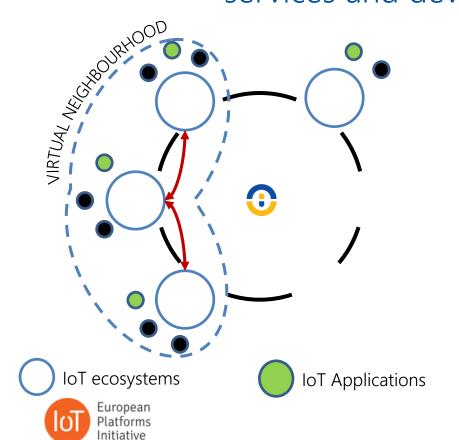


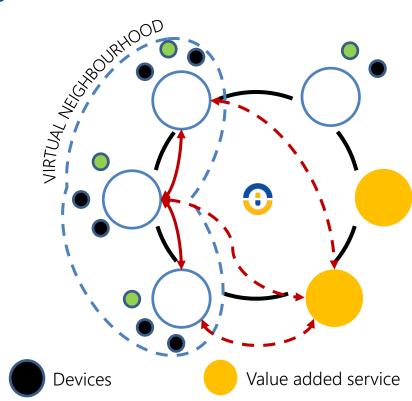


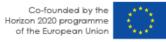




Virtual neighbourhoods and interaction with services and devices









VICINITY Technical requirements for 2st Open call

- to specify the service business logic
- 2. to specify **service description** (service requirements from the VICINITY);
- 3. (Optional) to specify device description
- 4. to implement and integrate the VICINITY Adapter of the integrated Value-Added Service which will translate ecosystem communication into common VICINITY communication format
- 5. connect real Value-Added Service and (optional) devices
- to demonstrate usage of Value-Added Services or Microservices







Service description with data requirements from the virtual neighbourhood and interactions

JSON file describe the name of the service and version:

```
"name": "Example Auto Service",
"oid": "service-oid",
"type": "Service",
"version": "0.0.1",
```

Data requirements in neighbourhood:

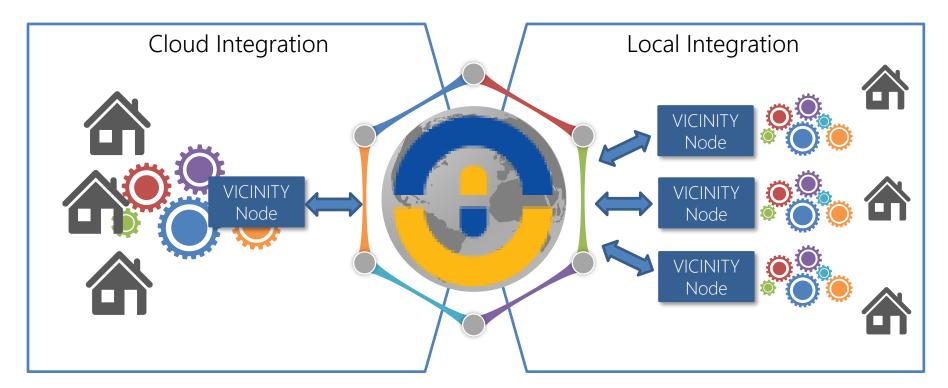
 Service description file should be provided to VICINITY Agent or VICINITY Gateway API up registration of the service.







VICINITY How to connect IoT infrastructure to VICINITY?









VICINITY System architecture

