SYNCHRONICITY
IoT Product Marketplace

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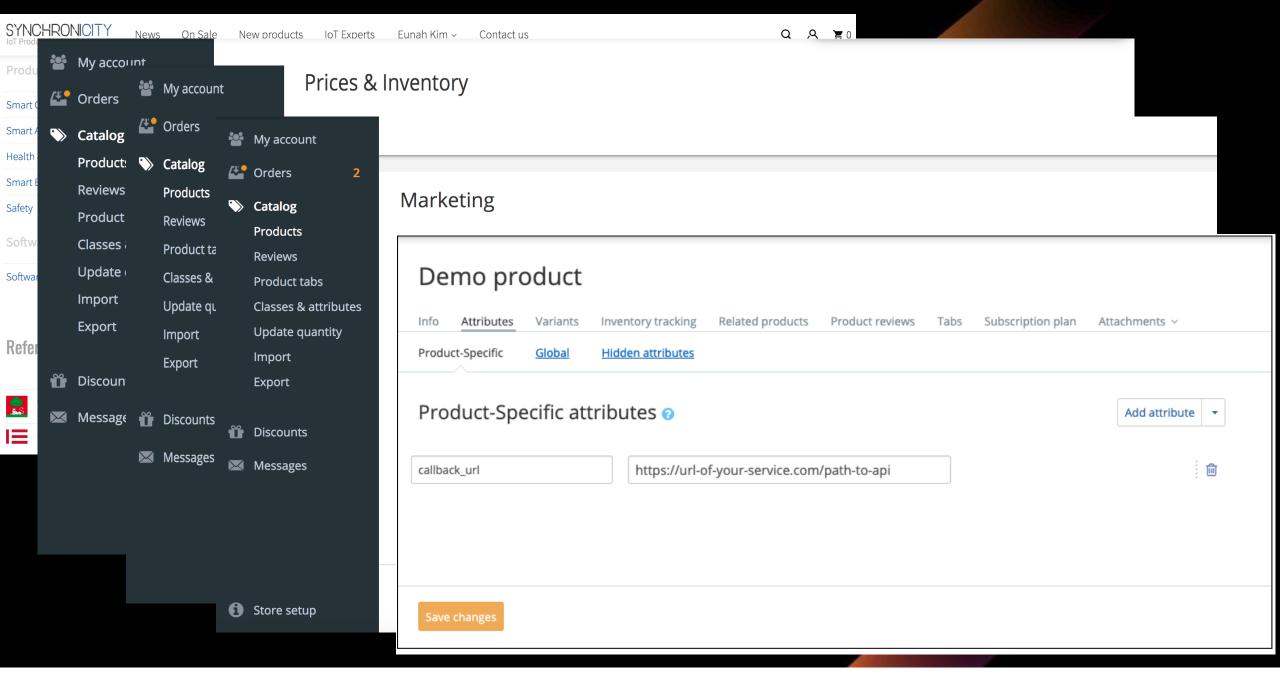
IOTWeek | Aarhus, 17-21 June 2019

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Towards DSM

Provide a **multi-vendor platform** for IoT products and service providers
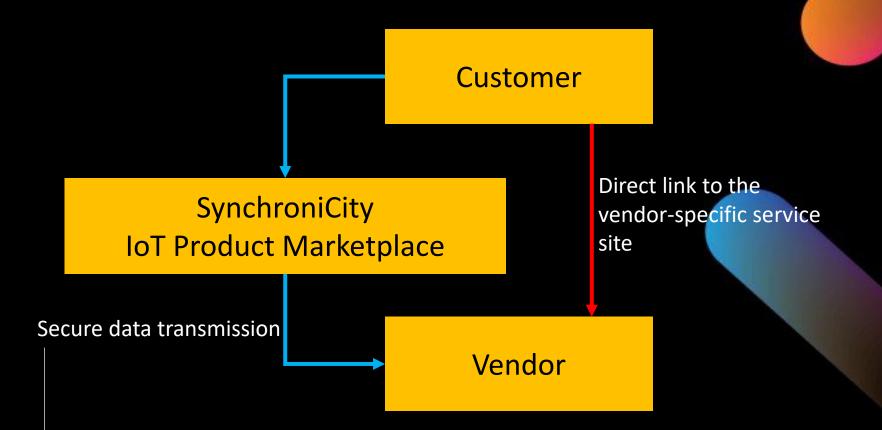
→ **Enlarge IoT Business ecosystem**

- Give **vendors full control** on their products and services with vendor administration panel.
- Can generate a configurable external URL for the sales products
- Provide a **Callback API** for direct connecting to the vendors' service

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IoT Prod

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Prices & Inventory

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Messages

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Orders   2

Catalog

Products

Reviews

Product tabs

Classes & attributes

Update quantity

Import

Export

Discounts

Messages

Store setup

Marketing

Demo product

Info   **Attributes**   Variants   Inventory tracking   Related products   Product reviews   Tabs   Subscription plan   Attachments ⌄

Product-Specific   Global   Hidden attributes

Product-Specific attributes ❓

Add attribute ▾

callback_url   https://url-of-your-service.com/path-to-api   🗑

Save changes

Callback API

Customer

SynchroniCity
IoT Product Marketplace

Direct link to the vendor-specific service site

Secure data transmission

Vendor

Send the JSON payload to your endpoint URL in the form of a **JWT** (JSON Web Token)
HS256 (HMAC with SHA-256) symmetric signature algorithm to secure the transmitted data
Vendor generated common shared secret key

Timestamp
Service_id
Service_description
Request_url
Order_number
Customer
Product

Sku
Name
Quantity
Price
Currency
Field
    callback_url
    callback_field_xxx

Knowledge sharing

Provide **information sharing** place for Smart cities

→ **Foster new markets and innovation**

- Cities can have their dedicated pages to share their use cases.
- Other cities can contact and communicate with the reference cities.

Products

Smart Cities

Smart Agriculture

Health & Social Care

Smart Energy

Safety

Software

Software & Services

Reference Cities

City of Carouge
Carouge, Switzerland

City of Eindhoven
Eindhoven, Netherlan...

✉ Contact City of Carouge

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15 minutes and transmit the data to OrbiWise Server supporting LoRaWAN connection and the server sends the measurement data to Universal Device Gateway (UDG) using a HTTPS connection where the data is integrated into the Carouge's SynchroniCity platform.

The third service is the Live Public Transportation schedule in Carouge. The TPG (Transports publics genevois) offers an API to access the open

Our Latest Vendors

Demo Vendor GmbH
Berlin, Germany

Ubiwhere
Travessa Senhor das Barrocas, 38 Aveiro Portugal

TST   TST
Santander, Spain

HOPU
Luis Buñuel 6 Murcia Spain

SynchroniCity
SynchroniCity-IoT EU Switzerland

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Categories

Products

Smart Cities   ›

Smart Agriculture   ›

Health & Social Care

Smart Energy

Safety

Software

Software & Services

Reference Cities

City of Eindhoven
Eindhoven, Netherlands

✉ Contact City of Eindhoven

With the support from technical partners Atos and Heijmans.   ≈ EINDHOVEN

City of Eindhoven actively engages smart city research and innovation activities where the city platform and pilot applications are applicable. In the scope of SynchroniCity project, the city has been participating in the Human Centric Traffic Management theme.

City is using real time traffic lights data, cyclers(bicycle) and air quality information in order to develop the services in the scope of the service theme mentioned above.

For the Human Centric Traffic Management Theme, we list the items below as the main actors of the traffic theme(for the pre-selected crossings areas in Eindhoven):

Further considerations

- A way to make cities participate more.
  - Connecting to the procurement systems of cities
- Policies
  - Process of SynchroniCity compliant evaluation
  - At the same time, lower the barrier for SMEs

Thanks for Listening

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https:// smartcity.market →
Temporary *http://dev.smartcity.market*

Video in SynchroniCity Project Booth