Exploitable Results by Third Parties
15004 PARFAIT Personal dAta pRotection FrAmework for IoT

Project details

<table>
<thead>
<tr>
<th>Project leader:</th>
<th>Isil Ozkan</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>Website:</td>
<td><a href="http://itea3-parfait.com/">http://itea3-parfait.com/</a></td>
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</tbody>
</table>
Exploitable Results by Third Parties

15004 PARFAIT

<table>
<thead>
<tr>
<th>Name: IoT Manager</th>
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<tbody>
<tr>
<td><strong>Input(s):</strong></td>
</tr>
<tr>
<td>▪ Device info</td>
</tr>
<tr>
<td>▪ Sensor value</td>
</tr>
<tr>
<td>▪ Instruction set</td>
</tr>
<tr>
<td>▪ Script</td>
</tr>
<tr>
<td><strong>Main feature(s):</strong></td>
</tr>
<tr>
<td>▪ Device management</td>
</tr>
<tr>
<td>▪ Data management</td>
</tr>
<tr>
<td>▪ Data collection</td>
</tr>
<tr>
<td>▪ Data processing</td>
</tr>
<tr>
<td>▪ Visualization</td>
</tr>
<tr>
<td><strong>Output(s):</strong></td>
</tr>
<tr>
<td>▪ RESTful API</td>
</tr>
<tr>
<td>▪ HTML GUI</td>
</tr>
<tr>
<td>▪ Remote procedure call</td>
</tr>
<tr>
<td>▪ Alarm</td>
</tr>
<tr>
<td>▪ Report</td>
</tr>
<tr>
<td>▪ Dashboard</td>
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</tbody>
</table>

| **Unique Selling Proposition(s):** |
| ▪ Human independent application model |

| **Integration constraint(s):** |
| ▪ MQTT/CoAP/HTTP/LwM2M protocol |
| ▪ RESTful API                  |
| ▪ JavaScript or Python programming language library |

| **Intended user(s):** |
| ▪ End user |
| ▪ Industry 4.0 |

| **Provider:** |
| ▪ Ericsson |

| **Contact point:** |
| ▪ Arman Baris Calli - arman.baris.calli@ericsson.com |

| **Condition(s) for reuse:** |
| ▪ Licensing |

*Latest update: 19 October 2020*
<table>
<thead>
<tr>
<th>Name: Smart Token FIDO2 – U2F</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input(s):</strong></td>
</tr>
<tr>
<td>N/A</td>
</tr>
<tr>
<td><strong>Unique Selling Proposition(s):</strong></td>
</tr>
<tr>
<td><strong>Integration constraint(s):</strong></td>
</tr>
<tr>
<td><strong>Intended user(s):</strong></td>
</tr>
<tr>
<td><strong>Provider:</strong></td>
</tr>
<tr>
<td><strong>Contact point:</strong></td>
</tr>
<tr>
<td><strong>Condition(s) for reuse:</strong></td>
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*Latest update: 26 October 2020*
### Name: SN110 (Combo NFC/SE)

<table>
<thead>
<tr>
<th>Input(s):</th>
<th>Main feature(s)</th>
<th>Output(s):</th>
</tr>
</thead>
</table>
| ▪ 13.56MHz RF signal  
▪ Secure data | ▪ Key storage in secure element  
▪ Contactless/transit payment  
▪ E-Identification | ▪ Secure identification |

#### Unique Selling Proposition(s):
- Full one chip integration of an NFC chip with a secure element

#### Integration constraint(s):
- Hardware integration to be integrated respectfully to IOs datasheet
- Host interface for configuration I2C, UART (only for NFC), I3C, SPI

#### Intended user(s):
- Mobile phone and wearable manufacturers

#### Provider:
- Direct sale services by NXP

#### Contact point:

#### Condition(s) for reuse:
- End users have to pay a license to conform with the description of the license provision list provided by NXP (arm license, security algorithms, etc)

*Latest update: 24 November 2020*
<table>
<thead>
<tr>
<th>Input(s):</th>
<th>Main feature(s)</th>
<th>Output(s):</th>
</tr>
</thead>
</table>
| - text  
- voice  
- intents examples  
- intents rules | - Dialog management  
- NLU system | - An instantiated voicebot |

| Unique Selling Proposition(s): | end-to-end voicebot platform that can be installed on premises, do not depend upon GAFA modules which are known to be unfriendly to user privacy, are fully secured and guaranty user privacy |
| Integration constraint(s): | Docker  
- Kubernetes |
| Intended user(s): | Any company that want chatbot or voicebot that guaranty user privacy, e.g. banking, insurances, smart home platforms, etc. |
| Provider: | Pertimm Development |
| Contact point: | Patrick.constant@pertimm.com |
| Condition(s) for reuse: | Licensing |

*Latest update: 23 November 2020*
### Name: PIMZ (Personal Information Management system)

<table>
<thead>
<tr>
<th>Input(s):</th>
<th>Main feature(s)</th>
<th>Output(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data</td>
<td>Finely manage and safely store personal data</td>
<td>Fine sorted data</td>
</tr>
<tr>
<td></td>
<td>Manage data sharings</td>
<td>Connected Data consumers</td>
</tr>
</tbody>
</table>

#### Unique Selling Proposition(s):
- PIMZ will help End user to aggregate his personal data
- PIMZ helps End user to manage what data is shared or not

#### Integration constraint(s):
- Need docker infrastructure to host a PIMZ

#### Intended user(s):
- Physical user
- Integrator: Data Provider

#### Provider:
- Softeam

#### Contact point:
- Laurent Goncalves – laurent.goncalves@softeam.fr

#### Condition(s) for reuse:
- Licensing

*Latest update: 20 November 2020*
### Name: Call Center Text Sentiment Analysis Solution

<table>
<thead>
<tr>
<th>Input(s):</th>
<th>Main feature(s)</th>
<th>Output(s):</th>
</tr>
</thead>
</table>
| Sentiment Analysis Tool | Each part is implemented in Python programming language using the algorithms that are coming from machine and deep learning text analytics literature. The Big Data environments that include MLLib Libraries, document-based NoSQL databases like MongoDB, Real Time Stream Analytic tools like Spark Streaming and infrastructure like Spark cluster used as a platform. | ▪ Intent classification Module  
▪ Customer satisfaction measurement Module  
▪ Agent performance measurement Module  
▪ Entity Recognition Module  
▪ Spelling Correction Module |

### Unique Selling Proposition(s):
- Call center data has been extracted as document  
- Wrong spelling mistakes have been fixed for Turkish and English  
- Models that has been created with DL Algorithms (Word2Vec, Doc2Vec, FastText), have been trained 80 percent of call center data and tested 20 percent of data.  
- Sentimental analysis have been realized on the customer’s conversation data.

### Integration constraint(s):
- Integration pre-study is needed since different call centers can use different infrastructure. And data can be trained due to the needs of the different call-centers.

### Intended user(s):
- Call Centers

### Provider:
- Turkgen

### Contact point:
- Ahmet Sever – ahmet.sever@turkgen.com.tr

### Condition(s) for reuse:
- Licencing

*Latest update: 25 October 2020*
### Name: Instant Messaging System Discover Channel- BIP Discover

<table>
<thead>
<tr>
<th>Input(s):</th>
<th>Main feature(s)</th>
<th>Output(s):</th>
</tr>
</thead>
</table>
| Instant Messaging System Discover Channel- BIP* Discover | BIP platform allows the users to create and manage their own services to be offered to the end users via an interactive instant messaging system. | • On Discover tab of BIP app, new services(channels), trending services, categories, subscribed services tabs appear.  
   • The user/company/supplier can manage their services, offers and interaction with the direct customers |
| Once the user logs into BIP Panel, the system directs the user to the service creation page | In the Parfait Project, the discover channel is used to control smart home devices. |                                                                            |
| User is allowed to view and edit the services that he or she has ownership. | The system could be used in any verticals or in any business scenarios. |                                                                            |
| *BIP is the instant messaging system and brand offered by Turkcell | Easy and secure usage for the service owners and service users. |                                                                            |

### Unique Selling Proposition(s):

- It is an enhanced catalogue. There are 15 categories on IOS and 6 categories on Android.

**IOS:**
- Banking & Finance
- Business & Brands
- Education
- Entertainment
- Food
- Games
- Business & Lifestyle
- News
- Productivity
- Sports
- Technology
- Travel
- Utilities
- Customer Services
- Other

**Android:**
- Sport
- Life
- Chat
- Win
<table>
<thead>
<tr>
<th><strong>Name:</strong> Instant Messaging System Discover Channel- BIP Discover</th>
</tr>
</thead>
</table>
| **Offered Services:**  
The services for follow up; Mass Services or Local services  
Enterprise Services |
| **Integration constraint(s):**  
- Plug and Play  
- Easy integration  
- New feature implementation could be discussed if needed |
| **Intended user(s):**  
- Users, B2C players, any companies who would like to interact with their end users via instant messaging system platform |
| **Provider:**  
- Turkcell |
| **Contact point:**  
- Isil Ozkan [isil.ozkan@turkcell.com.tr](mailto:isil.ozkan@turkcell.com.tr)  
- Nihat Burak Aksar [burak.aksar@turkcell.com.tr](mailto:burak.aksar@turkcell.com.tr) |
| **Condition(s) for reuse:**  
- Usage Fee  
- Different solutions could be tailored if required |

*Latest update: 25 November 2020*
<table>
<thead>
<tr>
<th><strong>Name:</strong> Secure Platform for Interaction with Hotels and Smart Homes (USP)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input(s):</strong></td>
</tr>
<tr>
<td>Eye pleasing interface</td>
</tr>
<tr>
<td>Encryption</td>
</tr>
<tr>
<td>GDPR compliant usage of personal data</td>
</tr>
</tbody>
</table>

**Unique Selling Proposition(s):**
BEIA will consider standardized protocols and technologies and encryption-based system to provide a secure visualization platform for Hotels and Smart Homes.

**Integration constraint(s):**
Need data base and server

**Intended user(s):**
Building managers (especially offices and hotels)

**Provider:**
BEIA CONSULT INTERNATIONAL

**Contact point:**
- George Suciu – [george@beia.ro](mailto:george@beia.ro)
- Mari-Anais Sachian – [anais.sachian@beia.ro](mailto:anais.sachian@beia.ro)
- Gabriel Petrescu – [gabriel.petrescu@beia.ro](mailto:gabriel.petrescu@beia.ro)

**Condition(s) for reuse:**
Usage Fee
Different solutions can be tailored according to the user

*Latest update: 26 November 2020*
## Secure Gateway

### Input(s):
- OPC/MQTT Protocol configuration data

### Main feature(s):
- Data integration
- Protocol conversion

### Output(s):
- HTML GUI
- OPC server available for data access

### Unique Selling Proposition(s):
- Secure authentication based on FIDO2

### Integration constraint(s):
- MQTT/OPC protocols supported
- Ericsson cloud integration

### Intended user(s):
- End user
- Industry 4.0

### Provider:
- SIS

### Contact point:
- Oana Chenaru – oana.chenaru@sis.ro

### Condition(s) for reuse:
- Licensing

*Latest update: 19 November 2020*