Exploitable Results by Third Parties

11020 SITAC

Project details

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Name: BeC3		
Input(s):	**Main feature(s)**	**Output(s):**
▪ IoT objects, able to make physical measures of the environment, or to alter the physical world.	▪ Provides a simple way to compose interactions between IoT components	▪ An IoT application
Unique Selling Proposition(s):	▪ Composition of IoT devices using a user-friendly interface for lambda users. The user composes 'behaviours", that are proposed by advanced users. The composition is possible because of the strict and formalized list of interactions that can be exchanged between the different devices	
Integration constraint(s):	▪ Protocol XMPP ▪ Our virtual machine, called D-LITe, for each device	
Intended user(s):	Crowd centric approach: ▪ End user 90% ▪ Behavior developers 9% (advance users) ▪ System architects 1% (add new hardware, and formalize new interactions)	
Provider:	▪ University of Paris-est Marne-la-vallée	
Contact point:	▪ Sylvain.cherrier@univ-mlv.fr	
Condition(s) for reuse:	▪ LGPL license ▪ MIT license	

Latest update: 2 October, 2015

Name: Clustering Library		
Input(s):	Main feature(s)	Output(s):
▪ Dataset File including items with dimensions values in JSON format ▪	▪ Compute efficient K-MEANS clustering capable of managing high dimensionality datasets ▪ Work with core-sets (subsets of datasets) and compute SSE for validation	▪ Set of centroids to create recommenders of figure out characterization of groups' population.

Unique Selling Proposition(s):	▪ Clustering computation of big and high dimensionality datasets, where not all dimensions are present in each item of the dataset ▪
Integration constraint(s):	▪ Python 2.7 interpreter/compiler ▪
Intended user(s):	▪ Research engineers, market analysts, who have interest in mining high dimensionality data.
Provider:	▪ Alcatel-Lucent. Open Source code Code available on https://github.com/jjaranda13/HD-python-cluster
Contact point:	▪ Jose Javier Garcia Aranda - jose_javier.garcia_aranda@alcatel-lucent.com
Condition(s) for reuse:	▪ Free licence

Latest update: 23 October 2015

Name: EUCALIP-TOOL (Mobile End-user composition tool)		
Input(s):	Main feature(s)	Output(s):
▪ Repository of services registered in the SITAC platform	▪ Mobile end-user tool that allows composing services and building web applications capable to execute them	▪ Web application to execute service compositions built by end-users

Unique Selling Proposition(s):	▪ Compositions/apps built ad-hoc by end-user according to user current needs ▪ Creation of new added value service
Integration constraint(s):	▪ The tool can be used with a smart phone with Internet connection. The user has to be registered in the SITAC platform
Intended user(s):	▪ End-users with no IT knowledge.
Provider:	▪ PROS Research center at Universidad Politécnica de Valencia (UPV)
Contact point:	▪ Victoria Torres - vtorres@pros.upv.es
Condition(s) for reuse:	▪ Reserved rights

Latest update: 1 October 2015

Name: UMA-based Authorization Server		
Input(s):	Main feature(s)	Output(s):
▪ Profile information of an authorized OpenID Connect Server. ▪ Services and permissions definition. ▪ Access requests.	▪ It provides a centralized access point to define and control the authorization for each service in the platform. ▪ The Authorization Server is modelled following the User-Managed Access (UMA) protocol. UMA is a profile of OAuth 2.0 that defines how resource owners can control the access to protected resources. The resources are accessed by clients that are used by any Requesting Party.	▪ Tokens: AAT (authorization API token), PAT (protection API token) and RPT (requesting party token). ▪ Access responses.

Unique Selling Proposition(s):	▪ Delegated access authorization solution ▪ Based on new standards ▪ Decoupled authorization mechanisms allow better scalability and evolution of specialized business solutions by removing this functionality outside and fitting well SOA
Integration constraint(s):	▪ Python 2.7 ▪ Django 1.7.7 ▪ Django-OAuth-Toolkit 0.8.0
Intended user(s):	▪ Application developers who need to include an authorization server on their systems.
Provider:	▪ University of Alcalá (Telematics Services Engineering).
Contact point:	▪ Enrique de la Hoz - enrique.delahoz@uah.es ▪ Iván Marsá Maestre - ivan.marsa@uah.es
Condition(s) for reuse:	▪ GPL license

Latest update: 5 October 2015

Name: Resources Sharing Service REST API		
Input(s):	**Main feature(s)**	**Output(s):**
▪ Resources information in JSON format ▪ Services information in JSON format ▪ Resources data in JSON format and sensorML compliant	▪ It provides an easy integration of new resources and their data into the SITAC platform. ▪ It provides a centralized data based and resources end point for all platform users ▪ Integration with several core modules.	▪ Resources information ▪ Services data

Unique Selling Proposition(s):	▪ Low level user requirements ▪ High availability services hosting ▪ Platform non SQL database ▪ Direct integration with catalogue, access control and subscription ▪ REST API ▪ Based on standards (JSON, sensorML)
Integration constraint(s):	▪ HTTP Client
Intended user(s):	▪ Any platform user providing or consuming information ▪ Other services ▪ Data aggregators ▪ Services composers.
Provider:	▪ University of Seville
Contact point:	▪ Clara Isabel Lujan Martínez – cilujan@us.es ▪ Luis Collar Salas – lcollar@us.es
Condition(s) for reuse:	▪ Free license

Latest update: 23 December 2015