

Technology Offer

Platform based on QR codes to improve safety and security in tourism destinations

Summary

A Spanish University has developed a new method based on QR codes for obtaining sensitive information using mobile devices so that emergency professionals can access to this information and act when users find themselves in risk or unsafe situations. A pilot phase is being applied in Mallorca (Spain). The research group seeks public and private institutions, for a technical cooperation agreement to implement this technology in the field of security and tourism.

Creation Date	17 March 2017
Last Update	07 May 2018
Expiration Date	20 September 2018
Reference	TOES20170314001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/fc739538-63c0-40de-89de-8eef15c3f2e8

Details

Description

A researcher at a Spanish university with a broad experience in telecommunications engineering and multidisciplinary ICT applications (environmental monitoring, smart grids, smart cars, smart cities and Internet of Things, among others sectors) has developed a new method that allows emergency and safety professionals to access, at risk situations, to sensitive information of a person through mobile devices.

Currently, mobile devices with a camera are in widespread use and allow the realization of services of high added value and in the majority of cases, based on the connectivity of these devices.

On the other hand, the two-dimensional codes are used in multiple supports for the encoding of information relative, mainly, to web page addresses. So, the two-dimensional codes allow obtaining digital information through the use of the camera of the mobile phones.

In emergency situations, there are actions and decisions that depend on the information available from the manager of the situation. Access to sensitive information is protected by the data protection law. In these cases, the owner of this sensitive data can't provide the data to emergency agents because they are unconscious, because they are under age or because they don't know the language.

With this innovative method, it is proposed to emergency and safety professionals to use their mobile devices with a camera (previously authorized) in emergency or insecure situations

through the treatment of encrypted two-dimensional codes that contain protected information.

Ultimately, the method of obtaining sensitive information comprises:

- Capture, using the camera, a two-dimensional code that contains unencrypted public information and encrypted sensitive information
- Obtain binary information from the two-dimensional code
- Obtain public information from the two-dimensional code
- Make symmetric decryption of part of the information that corresponds to sensitive information that the user has wanted to protect.

The University is interested in carrying out a technical cooperation agreement to implement the technology, with private companies working in the tourism sector and also with public institutions that may be interested in the improvement of safety and security in tourism destinations.

Advantages and Innovations

The platform allows the institution to create a unique code for each of its members, so that each agent will have its own code identifier and the institution can control who accesses to the protected data.

In addition, the identification codes have a validity period and, once expired, it is not possible to access to the information again.

Stage of Development

Already on the market

IPR Status

Patents granted

Profile Origin

Private (in-house) research

Keywords

Technology

01003009	Data Protection, Storage, Cryptography, Security
01004001	Applications for Health
01004002	Applications for Tourism

Market

01004002	Data communication components
01004003	Communications processors/network management

NACE

M.72.2.0	Research and experimental development on social sciences and humanities
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Network Contact

Issuing Partner

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Open for EOI : **Yes**

Dissemination

Send to Sector Group

Tourism and Cultural Heritage

Client

Type and Size of Organisation Behind the Profile

University

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

Tourism or security companies and public institutions are sought to carry out a technical cooperation agreement to implement this technology.

Type and Size of Partner Sought

SME 11-50, SME <10,>500 MNE, 251-500, SME 51-250, >500

Type of Partnership Considered

Technical cooperation agreement

Attachments

Technology Offer

A Korean SME is looking for a partner involved in software industry for technical cooperation on open source based virtualization system

Summary

A Korean SME has been developing cloud virtualization solution. This technology provides In-memory virtual desktop infrastructure (VDI) which is 12 times faster than competing product and support ITU-T(International Telecommunications Union Telecommunication) standards. The company has experience exporting this solution to China and Vietnam. To extend its business area, this SME is looking for partners who are interested in technical cooperation and joint venture agreement.

Creation Date	13 January 2017
Last Update	08 July 2018
Expiration Date	18 January 2019
Reference	TOKR20170113001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/507ce847-d743-48a4-926d-808de781f69b

Details

Description

According to market trend, 20% of PC throughout the world is changing to the virtual desktop environment in 2014. The cloud based VDI market will be 1,152 hundred million dollars in 2018 and can be possible to operate high quality multimedia such as HD and FHD. Also, rate of user will increase with CAGR 10.5%.

A Korean SME, established in 2008 as a venture company has developed cloud software solution. To enhance competitiveness in market, this company performed technology transfer from Korean government funded research institute in the field of ICT technologies. The concept of technology is cloud desktop virtualization. After technology transfer, the company commercialized this solution and got certification GS(good Software), CC(Common Criteria) and designation as Korea procurement outstanding product.

This solution supports various operation system like Linux, Windows and Android and use VDDP(Virtual Dropping and Delaying Protocol) as access protocol. This solution offers diverse product group for client. For example, there are VDI virtualization server, VDI virtualization authentication and management server, Windows(Linux, Android) VDI client and so on.

Major functions for this solution is as follows.

- Real time VM(virtual machine) and VDI server status information surveillance
- GPU(graphic processing unit) virtualization support
- In-Memory technology applied
- VM access security function: SSL (secure sockets layer), Secure Port support
- Detour access prohibition function

This Korean company is looking for technical cooperation partners in software industry and hope to develop idealized cloud virtualization technology in domestic and abroad. Also, this company is interested in joint venture agreement. The aim of this company is finding partners who are company or government office interested in technical cooperation or invest. Other types of cooperation can be negotiated upon request.

Advantages and Innovations

- * Superiority
 - No bottleneck IOV(I/O Virtualization) based technology applied
 - Domestic and overseas standard DaaS(Desktop as a Service) platform
 - The first GS(Good Software) certified virtualization technology in Korea
 - Open source based VDI(Virtual Desktop Infrastructure) (domestic)
- * Characteristics
 - Business software and various PC based solution operation
 - HD/FHD(High Definition/Full High Definition), etc., high quality multimedia operation
 - CATIA(Computer Aided Three dimensional Interactive Application), 3D, etc., large volume business program operation
 - User customized virtual computing resource (CPU, Memory, I/O device) assignment
 - Virtualization server and desktop status real time monitoring (Web Based)

Stage of Development

Field tested/evaluated

IPR Status

Patent(s) applied for but not yet granted, Patents granted

Comment Regarding IPR status

8 Korean patents applied for but not yet granted and 5 Korean patents granted.

Profile Origin

COSME

Keywords

Technology

01003006	Computer Software
01003009	Data Protection, Storage, Cryptography, Security

Market

02007001	Systems software
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NACE

J.62.0.9	Other information technology and computer service activities
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J.63.1.1 Data processing, hosting and related activities
J.63.1.2 Web portals

Network Contact

Issuing Partner

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Open for EOI : Yes

Dissemination

Send to Sector Group

ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

2008

Turnover

250 - 500M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Ref: TOKR20170113001

Client Country

South Korea

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: company or government office
- Specific area of activity of the partner: Software develop and interested in acquiring virtualization solution
- Task to be performed: Technical cooperation with diverse companies and government offices, Attraction of funds, Idealized technology develop to apply in domestic and abroad

Type and Size of Partner Sought

SME 51-250,>500

Type of Partnership Considered

Technical cooperation agreement
Joint venture agreement

Attachments

Technology Offer

Cloud-based software for livestock farm management

Summary

A Romanian software company has developed a cloud-based platform via a user identification device, that helps livestock farm managers through all the management process. The platform is already available on the national market and offers innovative elements like records and reproduction of animals, health status, bonitation according to ideal race, stock management, and events complex reports. The company is looking for partners to conclude commercial agreements with technical assistance.

Creation Date	09 May 2018
Last Update	28 June 2018
Expiration Date	29 June 2019
Reference	TORO20180503001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/18cf9188-5f7d-4700-8e00-075b177b34db

Details

Description

The Romanian software company located in Transylvania, with over 8 years of experience in the field of software development, is specialized in business to business and business to consumer software requirements such as: software consultancy (software development, software maintenance and suitable strategies for IT infrastructure) and web agency activities (web design, website optimization, web hosting, online shop, online catalog, online marketing campaigns, etc.).

The company has developed a new service useful for the effective administration of livestock farms. The cloud-based platform designed by the Romanian company is an online computer software for cattle and buffalo farms (taurines) management. Starting with a user identification device, users have all the functionalities needed for efficient livestock management.

The user accounts are individual ones, designed for individuals or user account types within a channel, designed for business users. For the companies, the first user account created through the site is the channel administrator and once logged into the platform, this user can create user-defined roles with different access rights to other user accounts within the channel.

The service provides users with the following innovative facilities:

- Records of Animals. The records required for complete and effective records, according to the specific methodologies and requirements of the Sanitary-Veterinary Directorates.
- Reproduction of Animals. A complete reproduction of animals, reports and specific analyzes.

Evidence of the evolution of gynecological states with marking of the pathological states.

- Health status. A complete history of consultations and treatments, optimal punctual assessment of health.
- Bonitation According to Ideal Race. Ensure the recording frame and then reporting for the measurements of different breeds.
- Stock management. Reception, transfers, management reports, efficiency and price analyzes. Download on recipes. Nomenclatures, billing.
- Events Complex Reports. Automatic generation of activity-specific events for better resource management. Create complete and complex reports to be used as support for efficient management.
- Integration/Synchronization/Reporting. Generate specific reports and support for creating documents for obtaining grants.

In order to achieve the highest degree of expertise and innovation and to increase the number of functionalities of this cloud computing, the company has worked with farm managers, zootechnics engineers, technicians, and veterinarians. Also, the collaboration and technology transfer from various universities, specialized institutions, organizations and/or associations in the field added value to the project.

The company is looking for ICT integrators with experience in the agribusiness industry, willing to incorporate this cloud-based platform to their solutions portfolio and/or agribusiness companies, under commercial agreements with technical assistance.

Advantages and Innovations

The Romanian software company's cloud-based platform advantages include:

- the usage-driven design perspective, which means that end-users' needs were identified and user requirements were formulated as central design goals;
- the user's opportunity to benefit from the first 14 days free of charge;
- a comprehensive overview and central administration of all records of animals;
- a central administration of the all the stock management prices and availabilities.

Regarding its innovative character, the platform offers:

- a full overview and control of all the records and reproduction of animals, the health status, the bonitation according to ideal race, stock management and the events complex reports;
- a lower investment cost since the intelligence of the system is located in the cloud and only sensors, actuators and low-end computing components are needed;
- an automatic communication of the system with any equipment or external service;
- the storage of raw data and guaranteeing user-independence from any service provider;
- network awareness in order for the system to adapt to malfunctioning Internet links, identification of malfunctioning components, etc.

Stage of Development

Already on the market

IPR Status

Secret Know-how

Profile Origin

COSME

Keywords

Technology

01003006	Computer Software
01003015	Knowledge Management, Process Management
01003024	Cloud Technologies
01003025	Internet of Things
02003001	Process automation

Market

02007001	Systems software
02007002	Database and file management
02007007	Applications software
02007024	Programming services/systems engineering

NACE

J.62.0.1	Computer programming activities
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Open for EOI : **Yes**

Dissemination

Send to Sector Group

Agrofood

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

2010

Turnover

<1M

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English

Client Country

Romania

Partner Sought

Type and Role of Partner Sought

The Romanian software company is looking for partners under a commercial agreement with technical assistance.

The partners sought should be:

- ICT companies with experience in the agro-food and agribusiness industry. The partners should find customers and take over the installation of the platform, and support of the local customers.

- Big companies from the agro-food and agribusiness sectors, specialized institutions, organizations and/or associations in the livestock field. The partners should integrate the platform and provide content according to their specific activity.

The Romanian company will support its partners with technical assistance, in order to create specialized services that will seamlessly interoperate, thus creating a sophisticated and customizable working environment for the foreign end users. If needed, the Romanian company will also provide staff training.

Type and Size of Partner Sought

SME 11-50, University, R&D Institution, SME <10, >500 MNE, 251-500, SME 51-250, >500

Type of Partnership Considered

Commercial agreement with technical assistance

Attachments

