Nominee: digitronic computersysteme gmbh

Nomination title: HiCrypt™ 2.0

HiCrypt™ 2.0 - Information security is the No. 1 priority

The comprehensive protection of confidential and secret information, namely information security, plays in today's global world a greater role and is a great challenge for all companies. The amount of data they need to process is constantly increasing and the risk of digital industrial espionage, sabotage or data theft is becoming ever greater. This has also been confirmed by a recent study conducted by BITKOM Bundesverband Informationswirtschaft, Telekommunikation und neue Medien e.V., where 51 % of the companies interviewed stated that they had been victims of attacks. Yet it is interesting to note that almost two thirds of company attacks have been caused "on-site". It is targeted data theft by current or former employees. Besides patents, construction plans or concepts for products and services also marketing, customer data, production schedules or employee profiles are of considerable interest. The damage caused by digital industrial espionage, sabotage or digital identity theft in companies amounts to 51 billion Euros currently according to a study of BITKOM.

After the launch of HiCrypt™ in 2012, as described above, the need for solutions for protection of confidential and secret data has increased steadily. digitronic® also faced this challenge and is now applying with the successor HiCrypt™ 2.0 for the price for the best "Cloud Security Product of the Year 2015".

HiCrypt™ 2.0 is easy to install and intuitive to operate. HiCrypt™ 2.0 not only encrypts data on network drives, and thus enables common access to encrypted files and folders, but also supports 2-factor authentication using security USB smart card tokens and smart cards. Scenarios are feasible, in which user's access to protected data is only possible with tokens and matching pin (knowledge and ownership).

HiCrypt™ 2.0 offers the possibility to define individual password policies to enforce automated frequently required security policies in company environments in relation to passwords also in HiCrypt™ 2.0. Various criteria such as password length, complexity and validity guarantee therefore very flexible implementation.

The encryption and decryption takes place on client side. As a result both the data transfer to the filing location and file storage are encrypted.

Users not authenticated by HiCrypt™ 2.0 have no chance to view the encrypted information.

Only the administrator manages access permissions to the encrypted data with HiCrypt™ 2.0 (sole key property). He determines who can decrypt the data: whether he alone or in addition trusted persons. As a manufacturer we guarantee that no "backdoors" have been installed in the software.

SVC awards

HiCrypt™ 2.0 in the Cloud: More and more providers of online hard drives offer the possibility to integrate these as a network drive in the PC. HiCrypt™ 2.0 supports these network drives. This means that data can now be stored safely from unauthorized access in the Cloud and, if necessary be exchanged with relatives, friends, colleagues or customers.

Disaster recovery: In cases where access to an encrypted network drive is no longer possible HiCrypt™ 2.0 offers options for recovery. So that after the initial encryption of a drive a recovery key can be exported. By this means recovery of encrypted network drives is guaranteed.

System administrators: On access to information, administrators shall quickly appreciate the benefits of HiCrypt™ 2.0. HiCrypt™ 2.0 encrypts only the contents of the files. Folder structure and file names are fully preserved and not encrypted. Thus, backup is supported without restrictions.

HiCrypt™ 2.0 for mobile devices: For mobile access to encrypted data by HiCrypt™ 2.0 an App for Smartphones and pads is available. This App provides anywhere, anytime access to your confidential information. It is completely irrelevant whether you are accessing your own network or Cloud storage.

The idea to develop such kind of product is still state-of-the-art, because there is no direct comparable solution on the market. Actually available products on the market use a different approach, e.g. encryption of entire disks, drives and directories. This approach includes even security and confidentiality of data and usage is slower and less comfortable. HiCrypt™ 2.0 uses a different way – our solution is encrypted and decrypted the data at the inlet and outlet connection of the client (local computer) or to the internet based network. The software itself works closely with the hardware - virtually on machine level. MAnipulation by external forces is impossible.

Summary: In the context of globalization of networking of business processes, increased numbers of digital industrial espionage and data theft it is ever more urgent to meet the challenges of protecting tangible and intangible values. No matter where the user stores his confidential/secret documents, whether or not on the company network, at home or even on his online hard drive in the Cloud: he shall doubt no longer, whether people who come in contact with his data handle it safely and with confidence. Invest now in your safety and increased data protection in your organization effectively by using HiCrypt™ 2.0.

For corresponding references and reports see www.hicrypt.com or http://www.digitronic.net/en/news

Why nominee should win

- digitronic® wants to make the modern digital world secure – "Enjoy the new digital freedom without any risk"
- HiCrypt™ 2.0 protects human values
- The product is easy to install, intuitive, reliable and without any

backdoor

- **German software development – IT-security made in Germany –**

- **We want to win this award to become receive more publicity and**

make a mark in the worldwide software security market.