Press Release

Proven IT Security with Flexible Software Tools

achelos presents automated test suites for

TLS and IKE network connections

at RSA in San Francisco

San Francisco/Paderborn, April 13, 2018 – From April 16 to 20, achelos GmbH will be presenting test suites and solutions at RSA 2018 in San Francisco (USA). The RSA Conference is an exclusive forum for the IT security industry in the US and beyond. It is one of the most essential showcases for IT security as well as related products, services and technologies. The security experts from Paderborn are exhibiting on the German Pavilion together with 23 German companies and institutions in the North Exhibit Hall 10, booth 3927. The IT Security Association Germany (TeleTrusT) is initiator of the German participation.

Press Release

The fear of cyber attacks is increasing

The Federal Office for Information Security in Germany (BSI) has reported a marked increase of malicious program variants in the 2017 report on IT security in Germany. In August 2017 the number has reached already more than 620 million. From January until May 2017 still around 280 000 new malware variants have been observed per day.

Cyber security can be achieved through secure network connections

achelos will present innovative technical products for end-to-end security to professionals from security-relevant application fields. The focus is on the security of **Transport Layer Security (TLS)** and **Internet Key Exchange (IKE)/Internet Protocol Security (IPsec)** network protocols. They are recognised standards of secure networks. Their implementation and configuration is complex and offers loopholes for attackers if incorrectly implemented.

achelos test suites offer protection from cyber attacks

In close collaboration with an accredited testing laboratory, achelos has developed Qumate.Testcenter. The TLS and IKE/IPsec test suites empower manufacturers of network components, evaluators and certifiers, corporate IT departments, system operators or state institutions to reveal security loopholes in their implementations, avoid IT configuration errors and check their conformity with security guidelines required for information security. Detailed test reports provide audit-proof documentation of the results. Checks are performed, for example, on the entire structure of the TLS or IKE connection, also covering mutual authentication.

Visitors to the RSA can experience the achelos test suites live at the booth and obtain more information on the following topics:

- **Common Criteria (CC):**

  achelos supports its customers with certified CC evaluators, comprehensive services and dedicated test tools in their effort to comply with the common criteria requirements.

- **Qumate:**

  The flexible test center from achelos supports and automates tests in application fields relevant to security.

For more information about the German Pavilion at **RSA 2018**, go to: **rsac.german-pavilion.com**

Photo: Secure TLS and IKE network connections by testing protocol robustness and implementation | Image source: ©achelos GmbH, ©Karin & Uwe Annas - stock.adobe.com

About achelos GmbH:
achelos is a software development company and independent of manufacturers, which delivers innovative technical solutions covering conception, specification, development, integration and testing for micro-processor chips, security chips, and embedded systems in security-critical application fields. These include the ID card, the electronic health card, security in car-to-car communication, and public key infrastructures.

A key focus is security and prevention. achelos produces test concepts for conformity-assessment with technical specifications and BSI guidelines, and prepares evaluations and certifications according to security standards such as Common Criteria, PCI-DSS or FIPS. The quality assurance system Qumate Testcenter, developed by achelos, is a powerful test-management tool suite for verifiable end-to-end security.

The team consists of recognized chip-card technology experts who have already designed, developed, and managed projects on a worldwide scale. References include electronic ID systems and electronic health cards, digital tachographs and driving licenses, smart cards for banking and the digital signature.
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