Entrust nShield HSMs enable secunet's automotive industry solutions

Driving connected vehicle security forward

HIGHLIGHTS

- Cryptographic security for critical automotive applications

- Flexible management of signature-components and certificates

- Proven automotive industry expertise

Security for the automotive industry

For years secunet's automotive division has empowered research and development in the industry. secunet offers a broad spectrum of experience gained while collaborating on a vast range of projects used in mass production and pre-production. secunet supports OEMs and suppliers in developing and implementing innovative security solutions in such areas as onboard security, eMobility security and security for connected vehicles, as well as for research and pre-development areas.

secunet and Entrust: automotive PKI expertise

Using Entrust nShield® hardware security modules (HSMs), secunet has been established as an automotive industry partner in providing crypto backend systems for more than 15 years. These backend systems:

- Support code signing to protect engine control units (ECUs) against unauthorized manipulation

- Generate secret codes for software activation/protection

- Enable generation of digital certificates

The number of connected vehicle use cases that require cryptographic mechanisms is rapidly increasing. Some examples include vehicle-to-vehicle/ vehicle-to-infrastructure (V2X) communication, over the air software/ firmware updates, and eMobility. This trend is driving the use of holistic security solutions using public key infrastructures (PKIs).

Entrust nShield HSMs enable Secunet's automotive industry solutions

secunet KeyCore: proven security for the automotive industry

secunet's proven automotive industry solution, secunet KeyCore, incorporates the Entrust nShield Connect HSM family to protect private keys and execute cryptographic functions. Today, nShield HSMs are used in several automotive OEM projects.

How secunet supports your automotive PKI project

- Requirements management and analyses for PKI use cases

- Design and specification of relevant processes and roles

- Rapid customization and implementation of secunet KeyCore components in customers' infrastructure

- Integration and configuration of Entrust nShield Connect HSM family

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Learn more

To find out more about Entrust nShield HSMs visit **entrust.com/HSM**. To learn more about Entrust's digital security solutions for identities, access, communications and data visit **entrust.com**

Learn more at
entrust.com/HSM

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