

T-SURE IDENTITY

- Validation of software authenticity before execution
- Highly secure remote software upgrades
- Monitoring of connected devices for preventative maintenance
- Capture and analysis of usage information
- Prevention of unauthorised production runs and unapproved code



SECURE COMMUNICATIONS AND INFORMATION SYSTEMS

T-SURE IDENTITY

Unbeatable security for a more connected world



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A SAFE AND SECURE WAY TO HARNESS A MORE CONNECTED WORLD

The benefits of the 'Internet of Things' are well understood. But is it secure? In this age of sophisticated cyber threats, every device you connect creates a new opportunity for attack. So if safety and security are important to your organisation, you need T-Sure Identity.

T-Sure Identity uses 'Identity Warrants' to provide connectable devices with cryptographic credentials, giving each one a unique and unalterable digital identity. Created when the device is required to be trusted, usually during manufacture/assembly, these identity warrants provide a means to not only authenticate devices but to manage security throughout their lifetime.

The mechanisms for establishing the digital identity can vary from the use of unclonable features of silicon devices to the injection of private keys into tamper-resistant zones within hardware devices. But regardless of the method the result is always the same: it becomes all but impossible for the connecting device to be modified or cloned.

WHAT THAT MEANS FOR YOU

Provided through a mixture of consultancy, design and services, T-Sure Identity builds the foundations for establishing trusted and secure connectivity, bringing all of the benefits of the IoT with none of the risk.

Enterprises can create a lasting competitive differentiation, adding sophisticated new capabilities to products and services while:

- Ensuring only **genuine** software is running on the users' devices.
- Performing remote software upgrades **without compromising** security.
- Monitoring connected devices and **performing** preventative maintenance.
- Collecting and **analysing** usage information.
- **Negating** the threat of unauthorised production runs and unapproved code.
- Securely **collaborating** with third party service providers and partners.

T-Sure Identity uses 'Identity Warrants' to provide connectable devices with cryptographic credentials, giving each one a unique and unalterable digital identity.



➤ Giving you extra confidence in the security of communications between your devices, gateways and the cloud.

A PARTNERSHIP FOR SECURITY

T-Sure Identity turns the dream of building highly-secure, always-available, distributed connected systems into an achievable reality, by keeping untrusted devices, applications and users out of your networks.

You'll never have to worry about how data is transported, because warranted identities will only perform as you've determined, giving you extra confidence in the security of communications between your devices, gateways and the cloud.

Of course, every organisation and every network is different and there can never be a 'one-size-fits-all' solution. That's why we tailor our approach to match your precise and individual needs, creating a chain of trust throughout your system from the furthest end points to the heart of your networks. That means:

- Working with you and your supply chain to build a **trusted** system of parts from many sources.
- Securely issuing and **managing** identity warrants, through your own processes or as a service provided by Thales.
- Enabling the **secure** transport of trusted data between authenticated devices, systems and processes.
- Designing a system that provides the secure distribution of **assured** software between authenticated entities.



➤ We tailor our approach to match your precise and individual needs, creating a chain of trust throughout your system from the furthest end points to the heart of your networks.



➤ **We are a trusted provider of cyber security services and solutions to the UK Ministry of Defence and the UK Government.**

THALES UK CYBER SECURITY PORTFOLIO

T-Sure Identity is just one element of our T-Sure Digital Trust Platform: a security portfolio that offers a complete, end-to-end solution for securing devices and data throughout the lifecycle.

The range, which is complemented by Thales's broader, whole enterprise security offerings, includes:

- **T-Sure Assurance** – our Secure by Design service which gives security the required priority from the very beginning of the design process.
- **T-Sure Vigilance** – a Cyber Security Operating Centre that protects critical infrastructures by monitoring, anticipating and reacting to cyber attacks.
- **T-Sure Authenticate** – a range of Public Key Infrastructure (PKI) services, with offerings for for either customers who already have PKI, who plan on deploying a new PKI, or who want to purchase a fully managed PKI as a service.
- **T-Sure Witness** – the use of secure immutable ledger technology to underpin transactional exchanges within systems.

YOU'RE IN SAFE HANDS WITH THALES

Trusted by government, military forces and the private sector alike, when it comes to security you can be in no safer hands than Thales.

Not only do we manage the secure operation of critical information systems for over 130 clients, but we currently provide the cyber security for

nine of the ten biggest internet providers, and we protect 80% of the world's payment transactions.

We are a trusted provider of cyber security services and solutions to the UK Ministry of Defence and the UK Government. In addition, the National Cyber Security Council (part of GCHQ) has granted accreditation to Thales as a Certified Cyber Security Consultancy, and our security experts have been awarded individual recognition.

We can't stop cyber criminals from trying to attack you, but we do have the tools and expertise to make sure they don't succeed.

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