Use Case: PKI Management for Connected Cars

Situation

A major vehicle manufacturer utilizes PKI Certificates on their cars for vehicle identity, authentication to network services, and data encryption.

Throughout the vehicle's lifetime ownership needs to be securely transferred if the vehicle is sold or leased to a new owner, requiring a new certificate to be securely provisioned to the vehicle.

This requires PKI-based security and Automated Identity Lifecycle Management for the vehicle and its connected applications.

Solution

Device Authority KeyScaler is used to provide:

- PKI Services for IoT with Automated Identity Lifecyle Management including certificate provisioning, renewals, and revocations for connected vehicles
- KeyScaler trust anchor technology for vehicle Telematics Control Unit (TCU)
- Ability to bind Communication assets with unique car identifiers for enhanced security
- KeyScaler Security Suite for automated integration with Microsoft Azure IoT and Connected Vehicle Platforms

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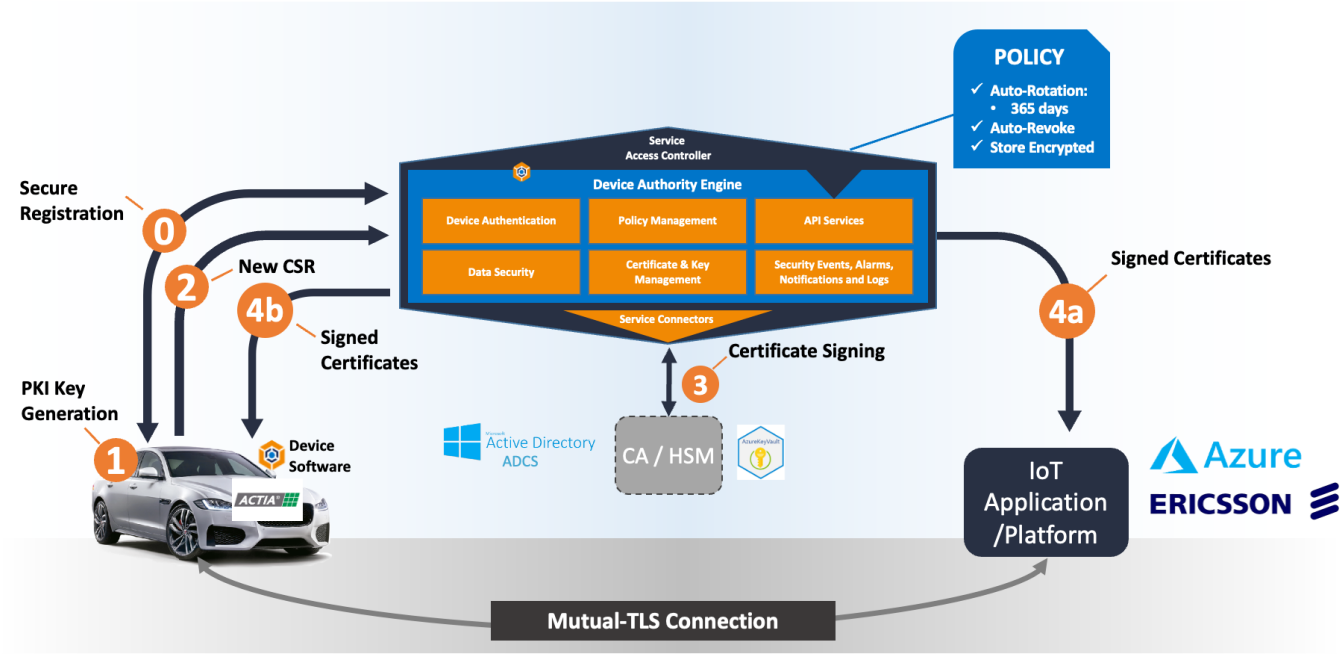
Automotive: PKI Management for Connected Cars



Conclusion

By leveraging existing investments in the corporate PKI platform and Microsoft infrastructure, Device Authority is able to provide tangible solution savings, while extending the Corporate Cyber Security strategy .

KeyScaler helps to simplify the manufacturer's security supply chain for its connected vehicle division.

The KeyScaler platform also enables secure ownership transfer when vehicles are sold or the lease agreements change.

Reduced complexities through zero-touch, Automated Device Provisioning to Microsoft Azure and Ericsson CVC.

Finally, the organisation now has a unified Identity strategy across multiple internal and external stakeholders.

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