

## ARCHITECTURE REVIEW

Creating secure products from the ground up

Creating a truly secure vehicle takes an organizational commitment that starts before developers are involved. Catching vulnerabilities once designs are committed to code or, worse yet, ready for production is a Band-aid solution. It doesn't resolve two main problems: finding issues beyond the design stage can be expensive to fix, and developers are neither trained nor incentivized to write secure code.

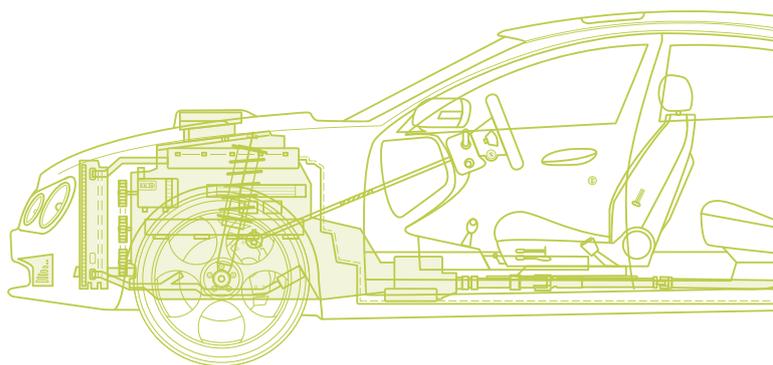
At Irdeto, we know first-hand the merits of eliminating vulnerabilities at the beginning of the design process, rather than through costly "find and fix" cycles. Which is why we offer an Architecture Review service. Our highly trained team of engineers and hackers evaluate system architecture and software design to create a complete risk assessment which identifies weaknesses before they are baked in. This enables OEMs and tier ones to activate corrective mitigations early, create a much more secure product and educate their engineering staff on cybersecurity best practices. Other benefits include:

- Cleaner and simpler system design.
- Dramatically less engineering churn and subsequent cost savings.
- Improved confidence in-vehicle security.
- Half the time of typical penetration tests with far superior results.
- Greater lead-time for corrective action.

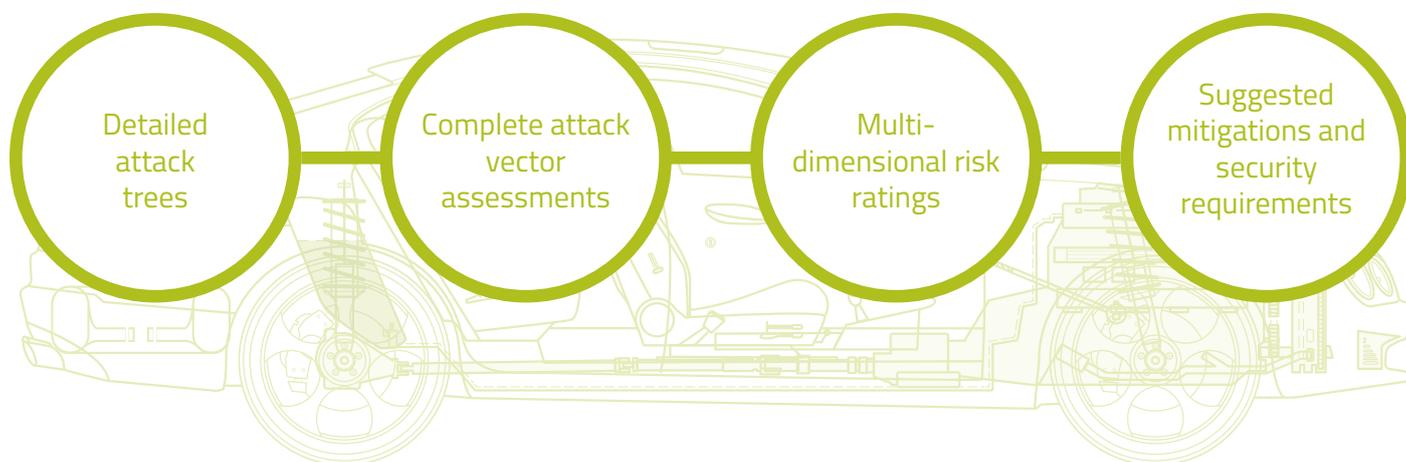
### BUILT-IN SECURITY

Irdeto Architecture Review is a unique service that looks for cybersecurity vulnerabilities during the early stages of a product's lifecycle. It finds issues at the system architecture and software design stages to avoid costly re-engineering at the coding, validation and release stages. Based on Irdeto's 10+ years of security reviews for some of the world's biggest brands, it also provides thorough reporting that includes:

- Detailed attack trees.
- Complete attack vector assessments outlining severity, potential, probability, controllability, etc.
- Multidimensional ratings for financial, operational, privacy and safety risks.
- Suggested mitigations and security requirements.



## REPORTS



### BIDIRECTIONAL APPROACH

Our highly trained team of engineers and hackers work closely together to create complete top-down as well as bottom-up assessments of security gaps, finding weaknesses that can be missed when using only one discipline. Final reports outlining specific mitigation strategies are designed to match the knowledge and methodologies of engineering staff. Teams using either Waterfall or Agile development methodologies can benefit.

### HALF THE TIME

Irdeto Architecture Review requires half the time of penetration testing while delivering far superior results. Instead of trying to find a handful of vulnerabilities over a fixed time - typically months - it takes only a few weeks to identify most security problems. This collaborative approach provides much better results and costs significantly less.

*Irdeto Cloakware for Automotive is a comprehensive solution that combines innovative, patented technologies and cybercrime services to address a variety of security challenges in a car. It provides automakers and tier-one suppliers with a secure, tamper-proof environment for vehicle software that is virtually impossible to reverse engineer. For more information, please refer to the datasheets for the solution components at [irdeto.com](http://irdeto.com)*