

TRANSPORTATION ORGANIZATION

A transportation company sets a goal to go beyond industry standards.



SITUATION

The client, a transportation company, is a leader in leveraging technology to meet customer needs. The Chief Information Security Officer (CISO) was new at the time and was establishing a new Information Security team while preparing for the company to go public. The CISO's goal was to grow the company beyond the transportation industry and benchmark the company against leading SaaS companies. The client worked with NCC Group experts to understand its security posture and how it led to their goal.

Challenges:

- Working with a new CISO and a new Information Security team
- Preparing for the company to go public
- Client used a cloud-based infrastructure, whereas partners used its services for customers
- Assessment findings and recommendations were to be presented directly to the Board of Directors

TASK

The client engaged NCC Group to conduct Cyber Security Reviews (CSR) of their environment, which included a threat modeling exercise followed by a National Institute of Standards and Technology (NIST) Cyber Security Framework (CSF)-driven controls maturity assessment. The initial engagement expanded into similar assessments for the company's acquisitions. Annual follow-ups were established to track improvements in security posture and updated recommendations.

ACTION

NCC Group worked with the client technology and security leadership to conduct a collaborative CSR. The assessment was performed through the dual lens of transportation and SaaS while strategizing a roadmap that could deliver measurable improvements in the year before the client went public.

Action Items:

- Established business context of regional and global vision, culture, risk appetite, and resource constraints
- Performed business-focused threat modeling to identify relevant threat actors and attack vectors targeting critical business applications
- Performed NIST CSF driven maturity-based controls assessment
- Defined current state of security measures and identified gaps
- Presented a detailed report with recommendations to the Board of Directors

RESULTS

- The client was initially assessed at 1.26 of cybersecurity maturity
- The Benchmark score for top SaaS companies was 3.53
- Maturity scores and recommendations were presented to the Board of Directors
- The Board agreed with the provided suggestions and provided funding for several initiatives to improve the organization's security posture
- The client was reassessed at an improved maturity score of 2.17 after successfully implementing NCC Group recommendations

AT A GLANCE

CHALLENGES

- Preparing to go public
- New CISO
- New Information Security team
- Cloud-based infrastructure
- Presentation to the Board of Directors

RESULTS

- Initial assessment: 1.26
- Benchmark score for top SaaS companies: 3.53
- Presented maturity scores and recommendations
- Board provided funding to improve security posture
- Improved maturity score: 2.17

SERVICES RENDERED

- Cyber Security Review (CSR)

About NCC Group

NCC Group is a global expert in cyber security and risk mitigation, working with businesses to protect their brand, value and reputation against the ever-evolving threat landscape.

With our knowledge, experience and global footprint, we are best placed to help businesses identify, assess, mitigate & respond to the risks they face.