

Success Story | ProCom Application Security Assessment

# Immediate Impact for Increased Security

**ProCom relies on Nativion for the security analysis of its newly developed redispatch web service Thedora RD**

Cloud applications are an essential part of any modern IT architecture, whether developed in-house or provided by third-party vendors. Fully deployed, security aspects are a major concern thus applications are subject to mandatory technical scrutiny of the architecture. ProCom with its energy advisory and solution services engaged Nativion security experts before launching its latest cloud service Thedora RD.



Integration of external, self-developed web services has become standard for enterprise systems such as SAP S/4HANA. These software vendors offer various options and interfaces to make this a rather effortless process. In order to not expose your system to unknown threats, it is recommended to meticulously verify security and configuration aspects of any web services before releasing it as part of your architecture. Any drawbacks could have a severe impact on the entire system landscape and cause liabilities. To avoid any risks and prevent future harm, ProCom took a serious approach with its latest web service Thedora RD. Nativion conducted the external security audit.

## Risk mitigation with security transparency

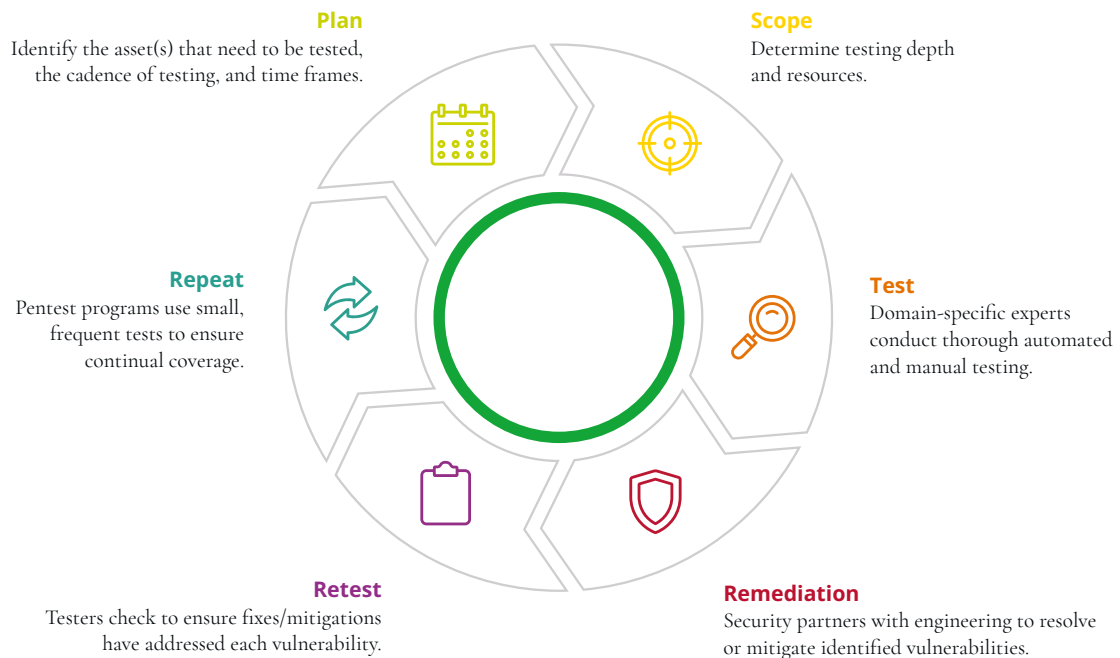
Without the knowledge of any potential deficiencies in the new web service's security concept, there was a viable yet unknown business risk for ProCom involved. Critical undetected flaws could lead to major issues with user availability, or customer data confidentiality or integrity violations. Considering the worst case, ProCom could face severe penalties or brand damage. With its deep understanding of processes in the energy sector as well as its proven security and pen test expertise, Procom identified Nativion as the preferred partner for a thorough application assessment. Objective: an independent investigation of shortcomings that cause vulnerability, and a security analysis to correct deficits and create a security transparency level.

## Standardized test procedures

After Natuvion had been given an introduction to the Thedora RD functionality and the application’s technical access points, the security assessment commenced. It was decided to proceed with a grey box penetration test approach with a focus on the entire Thedora RD web user interface. The web service’s REST interfaces and the end points to various databases underwent extensive testing. All findings were instantly reported by the Natuvion expert team, and resolutions synchronized with the ongoing product development. Natuvion verified the correctness of revisions in a subsequent test cycle.

Scope and methodology of the analysis followed the OWASP Web Security Testing Guide (WSTG V4.2), the comprehensive guide for standards in security testing of web applications and web services. This open source foundation process is well-established within the penetration testing community and organizations around the world. It provides ProCom and its customers with an independent validation of its application security levels.

During a project-concluding presentation Natuvion provided ProCom with all findings and recommendations which had been documented with all details. As part of the report, ProCom received explanations to individual findings, recommendations with call to action proposals, and results of technical analysis based on the specific penetration testing software used. The documentation also included a summary of the security certification for ProCom customers as reference.



## Security level optimization

ProCom optimized the security level of its Thedora RD cloud service with the security analysis performed by Nativion. Any vulnerability was addressed prior to its market introduction. ProCom development team received knowledge transfer and individual developers were trained using pen testing tools. From now on, new features can be tested and potential deficits can be detected at an early stage. ProCom customers benefit from an extra level of security confidence through an external independent assessment. Torsten Eicker, Head of Software Development, Support and Services at ProCom praised the team accomplishments: “After the initial audit preparation phase there was little need to get involved further. Our collaboration with Nativion reached a level of high efficiency. While we focused on the go-live activities, Nativion provided very specific feedback to areas which needed improvement. We were able to incorporate the feedback into the development process, making our application already more secure during that phase. Now we can be certain that our cloud service meets high security requirements, and it is confirmed to our customers.”

What’s next: Security and customer data protection is a top priority at ProCom. In the future, energy consultancy will continue to perform security audits for its products. ProCom recognizes Nativion as its strong partner to deliver secure services.

**Are you interested in a security assessment  
of your applications? Contact us!**

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## About ProCom



ProCom is family-owned and has been advising customers and providing IT solutions for the energy sector for nearly 40 years. ProCom offers individual solutions along the entire value chain from production and transmission to trading. At the heart of its portfolio are the BoFiT and ITA platforms. These solutions create more process and energy portfolio transparency in any time horizon and

market with optimization and forecasting capabilities. ProCom is an important contributor to the energy transformation program in Germany.

## About Nativion



Nativion is a digital moving company that moves business-critical data and processes from one technology platform to another. Nativion experts are called in when medium-sized and large enterprises want to modernize, optimize, separate, merge, or restructure their IT systems. With its exclusive expertise in technical transformation, Nativion enables its customers to run their data and

processes on the most modern and innovative technologies available. To support data transformations, Nativion leverages its proprietary software solution, Nativion DCS. Nativion is a founding member of the SAP S/4HANA Selective Data Transition Engagement Community and has been part of NTT DATA Business Solutions AG, a leading global SAP consultancy, since 2022.

### Hard Facts

**Company**

ProCom GmbH

**Headquarters**

Aachen, Germany

**Industry**

Energy

**Products & Services**

Consulting and IT tools

**Employees**

ca. 100

**Website**

[www.procom.eu](http://www.procom.eu)

**Nativion Packages**

Application Security Assessment



## Nativion Offices

### Germany

#### Nativion GmbH

Altrottstraße 31  
69190 Walldorf (Headquarter)

- Berlin
- Munich
- Leipzig

### Austria

#### Nativion Austria GmbH

- Vienna

### Switzerland

#### Nativion Schweiz AG

- Winterthur

### Slovakia

#### Nativion Slovakia s.r.o.

- Bratislava
- Zvolen
- Košice
- Žilina

### USA

#### Nativion Americas Inc.

- Miami (Florida)
- Malvern (Pennsylvania)

### Australia

#### Nativion Australia & New Zealand Pty Ltd

- Sydney

