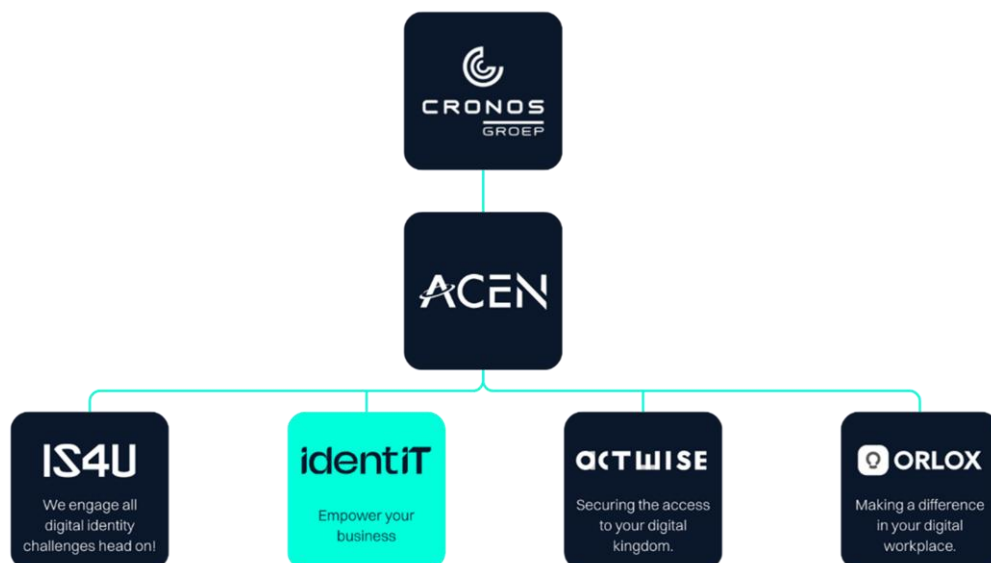


INTERNSHIP

Chargepark Portal

IdentIT: Part of The Cronos Group

The Cronos Group is recognized as one of the largest IT service providers in Belgium, renowned for its extensive ecosystem and commitment to innovation. With more than 9,000 employees, the Cronos Group operates over 600 competence centers, creating a robust network of expertise across various domains.



In today's digital landscape, Identity & Access Management is essential for building a successful digital-first strategy. IdentIT's mission is to deliver cutting-edge (C)IAM solutions that enhance customer experience, strengthen security measures, drive cost efficiency, increase business flexibility, and ensure compliance with data protection regulations.

Description of Assignment

During this internship, you will set up a portal for managing an electric vehicle fleet. The goal is to enable a secure and efficient distribution of vehicles across charging stations. Both employees and fleet managers should have access to relevant information and functionalities through the portal. The Ping Identity Platform will be used as the IAM solution, with emphasis on identity managed objects, role management, and delegated authentication.

What will you do?

- Design and develop a portal where employees and administrators can sign in and manage the vehicle fleet.
- Implement a registration flow that allows employees to dynamically register their account and vehicle.
- Provide delegated authentication via the Ping Identity Platform.
- Design and implement role-based access control so administrators can manage vehicles, charging stations, and user accounts.
- Simulate vehicles through a client application that initiates charging actions.
- Document the entire process and describe how it can be applied in a production environment.

What will you learn (technical)?

- Working with the Ping Identity Platform and core IAM concepts.
- Applying federation protocols such as OAuth 2.0, OIDC, and SAML.
- Developing secure applications with a focus on authentication and authorization.
- Setting up role-based access control and identity managed objects.
- Simulation and integration of client applications in a secured environment.

Which soft skills will you develop?

- Communication skills: clear and professional reporting, documentation, and collaboration with colleagues and stakeholders.
- Teamwork: functioning effectively within a multidisciplinary team in an agile environment.
- Problem-solving: analyzing technical challenges and resolving them independently or in consultation.
- Self-management: taking responsibility for your tasks, planning, and progress.
- Critical thinking: substantiating choices and continuously improving based on feedback and evaluation.
- Customer focus: considering user needs and business context when designing solutions.

Project Methodology

- The internship assignments follow the Scrum project methodology to ensure a structured and efficient approach to (sub)tasks.
- This reflects IdentIT's project approach.
- Scrum is a flexible framework that:
 - Promotes collaboration
 - Encourages adaptability
 - Ensures transparency
- The work is organized into time-boxed iterations called sprints:
 - Each sprint lasts 2 to 3 weeks
 - Each sprint has clear objectives and tasks
- At the start of each sprint:
 - Intern(s) and supervisor(s) hold a sprint planning session
 - Objectives are defined
 - A sprint backlog is created
- During the sprint:
 - Weekly stand-up meetings take place
 - Progress is discussed
 - Potential obstacles are identified and addressed
- At the end of each sprint:
 - A sprint review is conducted
 - If possible, a demo is given
 - Feedback is collected
- Scrum contributes to a collaborative and adaptable work environment.
- The goal is to achieve the best possible results within the given timeframe.

MVP

- A portal with login functionality via Ping for employees and administrators.
- Ability for employees to register their vehicle.
- Administrators can manage vehicles, charging stations, and users through a dedicated management interface (view) in the application.
- Simulation of vehicles initiating charging actions through a client application.

Expected Outcomes

At the end of the assignment, the following outcomes are expected:

- Technical analysis of the problem statement
- Architecture of the required components
- The MVP and possible extensions

Contact details

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