

# Project Spotlight:

## Interacting with Identities in MidPoint

### Using Standardized SCIM-Based REST API

In order to avoid dependencies, standardization is key. The SCIM overlay is a decisive contribution to standardized interfaces for REST API communication in midPoint.

Since its foundation, one of the key elements of DAASI International's philosophy has been using standardized software and interfaces. Therefore, they were delighted by their client's request, which gave them an opportunity to provide midPoint REST API while following common standards. It was clear that SCIM would be a perfect fit as it is commonly used, well-specified, and extended every day.

The aim was to implement the SCIM overlay as close to the standard as possible. This was not always an easy thing to do. DAASI International started by finding a sensible, uniform configuration using existing midPoint capabilities to configure something as complex as an overlay. After that, they had to deal with two schemas that had never been put together previously. The integration of the SCIM concept of complex attributes into midPoint's flat structure was especially difficult. Performance was also quite important: with a client having more than 100,000 identities in midPoint, combined with several services accessing these users consistently via REST, performance was the key. In order to make requests processed as fast as possible, DAASI International went through many iterations, which is also the reason why they preferred the overlay over any other implementations, such as a proxy.

In order to maintain and administrate identities, midPoint provides quite a complete set of functionalities. DAASI International is confident that they have found a satisfactory solution that meets all the challenges of implementing a standardized, high-performance interface for midPoint which they are happy to share this way. DAASI International is looking forward to further extend the capabilities of the midPoint overlay, i.e., supporting more resource types and self-service capabilities.



**DAASI International** is a German service provider for Identity & Access Management, which also develops its own IAM solution. Its services cover consulting, support, hosting, development, and training. They are a strong advocate of digital sovereignty through open source, interoperable protocols, and data protection.

#### Focuses on

Education and Research, Public authorities, Private companies

#### Partner's profile

<https://evolveum.com/partners/daasi-international/>

#### Operates in

Germany

#### Partner level

Gold