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### Product: *Data Space Frame*



Having been working with Data Academy for a good number of years, I have played a key role in defining its functionality and directing its content from real-life working scenarios working on actual client projects. This has created, in my opinion, a truly world-beating technology product in the field of data warehouse automation and automated data preparation systems.

However, it wasn't completely fool proof. Data Academy could still enable the uninitiated, inexperienced and naïve to build (albeit rapidly) a data warehouse that was fundamentally flawed in its overall design architecture and standards.

In the environments of complex data, operating against a backdrop of client requirements not being able to be matched with sufficient budgets, there was a need for out-of-the-box products. So we developed an overall concept that would deliver a standard 'design-build' methodology, providing not only for standardised architectures for one-off builds while also providing a design template for data warehouse products.

This design concept consisted of architectural design templates, naming conventions, pragmatic standards and ETL processes. Additionally, the design creates a unified output layer – a source of the data that was the single version of the truth – from which analytics, reporting returns and other data uses would be derived. This became known as the Data Space Frame architecture, or DSF.

I was involved in many public and private sector projects building true data warehouse products using the DSF architecture, where a single code-based product could be deployed in multiple environments, and each deployment could be locally configured and upgraded while respecting the core code base. In every instance it worked absolutely flawlessly, and the resultant product was of enterprise-grade quality.

I also worked alongside many development teams when the DSF architecture was deployed, and in every instance the solution built was of extremely high quality. Furthermore, this methodology of design and build enabled clients to take over the data warehouse solution and continue to develop it and support it themselves. The combination of Data Academy's capability and the DSF architecture enabled them to really understand how the solution was built, and made this transfer of ownership a straightforward task.

I believe the combination of Data Space Frame and Data Academy to be a significant game changer in the world of data warehouse design and development. I have not yet seen anything that comes even close to this combination in terms of reducing the risk, effort and cost of undertaking a data warehouse development project.

