CBRE SUCCESS STORY

___ CBRE has opted to evolve from an on-premise architecture to a 100% Cloud-based architecture.

___ PUE collaborated by providing technological solutions that allow the speeding up of development times without increasing the cost.

detailed information ↓

About CBRE

CBRE Group Inc, with its headquarters in Dallas and listed on the NYSE and included in the Fortune 500 and S&P 500, is the leading international real estate consulting and services company (based on revenue in 2020). It has more than 100,000 professionals in more than 100 countries. It has been present in Spain since 1973, where it offers real estate services through 9 offices (Madrid, Barcelona, Bilbao, Valencia, Alicante, Malaga, Seville, Zaragoza, and Palma de Mallorca).

The challenge

Data is the key to the digital transformation of the real estate world. This is why the CBRE Spain team has been committed to using cutting-edge technology in data lifecycle management for several years.

One of the key initiatives for this commitment is to have a unique, centralized repository in which to input, process, model, and serve the data inherent in the real estate market.

Scalability is fundamental in the new digital world, so CBRE Spain's proposal to PUE was for an end-to-end Data Warehouse project, allowing the exploitation of data from any area of the company.

The team formed by CBRE Spain and PUE faced the following challenges during the conception, execution, and operation of the Data Warehouse:

The context of a data explosion meant there needed to be a functional Minimum Viable Product in less than 5 months

CBRE, as a global company, demands very high standards of quality, security, and scalability that govern all project specifications, from architecture to continuous integration

In the context of a global pandemic, the teams had to work 100% remotely

The solution

The modernization of the Data Warehouse consisted of evolving from an on-premise architecture to a 100% Cloud architecture. The project not only contemplated technical aspects, but also operating and team organization aspects, in relation to both technology and data.

CBRE Spain and PUE opted for Open Source technologies that allow development times to be sped up without increasing the cost, offering the guarantee of being able to cover present and future business needs with the most innovative technology. All without the need for additional licensing.

Applied technologies

• Cloud
• Kubernetes
• CI/CD
• Spark

To carry out the project, Scrum and DevOps methodologies were used, with continuous integration and deployment to improve time-to-production and increase collaboration and cooperation between all the teams working on this platform.

PUE's services

• Assessment, architecture design, and definition of the Open Source tools to be implemented.
• Installation of the tools and configuration of the platform.
• Integration with the Data Warehouse.
• Development projects for the integration of the DevOps layer and the transformation and processing of ETL processes using Spark.
• Enablement Training for CBRE's Administration and Development teams, with the objective of providing training in the use and administration of the system and tools integrated into the platform.