

## CASE STUDY

# INTEGRATION OF MORE THAN 50 SYSTEMS FROM A UNIVERSITY WITH WSO2

## EXECUTIVE SUMMARY

One of the most prestigious universities in the world with more than 20,000 students had a problem in their IT architecture that they wanted to solve. In this project we will see how in **three months they were able to integrate more than 50 different softwares to convert a monolithic structure into a service oriented architecture.**

The university was aware that the systems they had at the time were not fulfilling their objectives of having their systems integrated.

The client knew that [WSO2](#) could be a good solution to their problem, because although it was a big change, it could be done in a modular way thanks to its design.

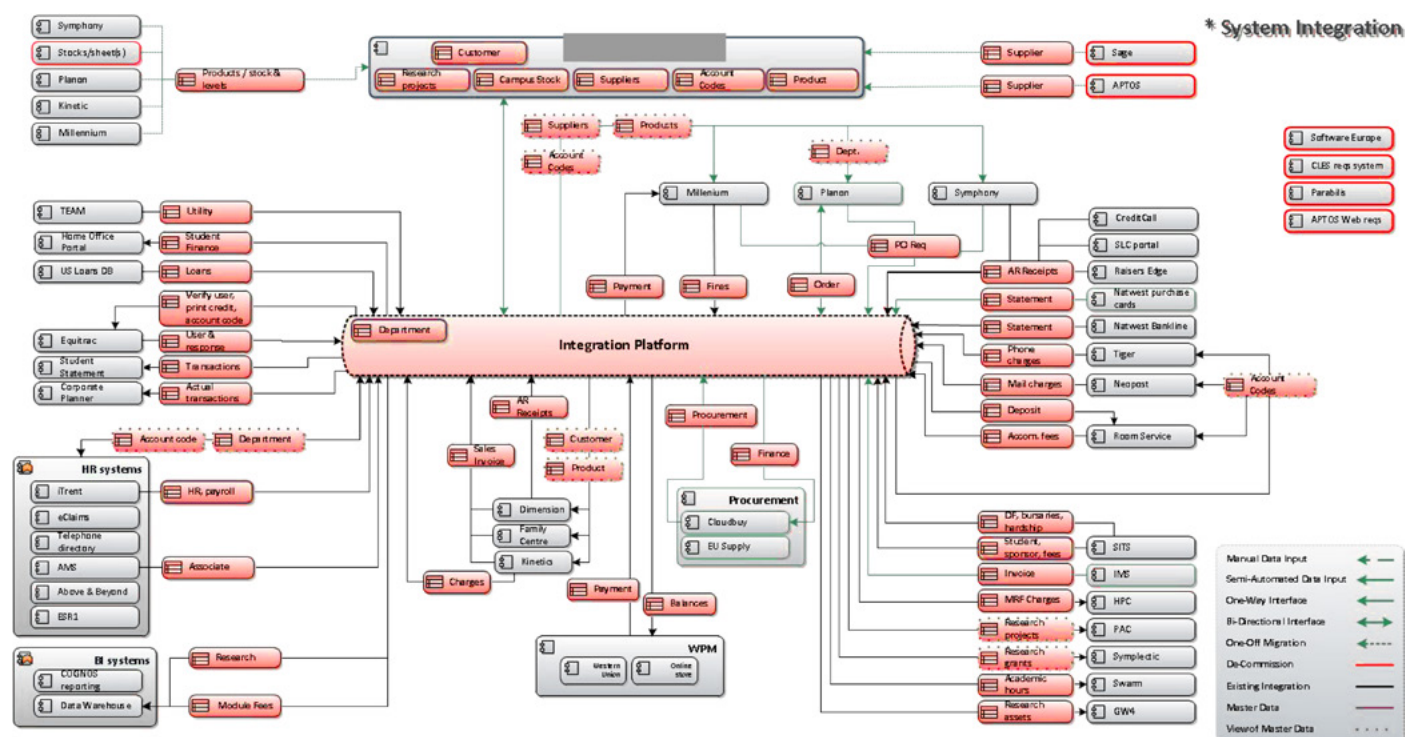
Taking advantage of the fact that the university was going to change one of its main systems, the IT team decided that it was a good opportunity to get rid of the legacy system and transform its monolithic structure into a service-oriented architecture.



# THE PROBLEM

The biggest problem of the university, is that over the years it had incorporated **more than 50 different software applications from different providers that were not able to communicate with one another and had little documentation.** With more than 20,000 students, not counting the entire university staff, the complexity of the university's systems was such that it is comparable to that of a city.

The integration of more than 50 software applications already presents a considerable complexity, but the client's need to have the project done in three months added an additional challenge.



The integration that the university needed for its systems was very complex.





# THE SOLUTION

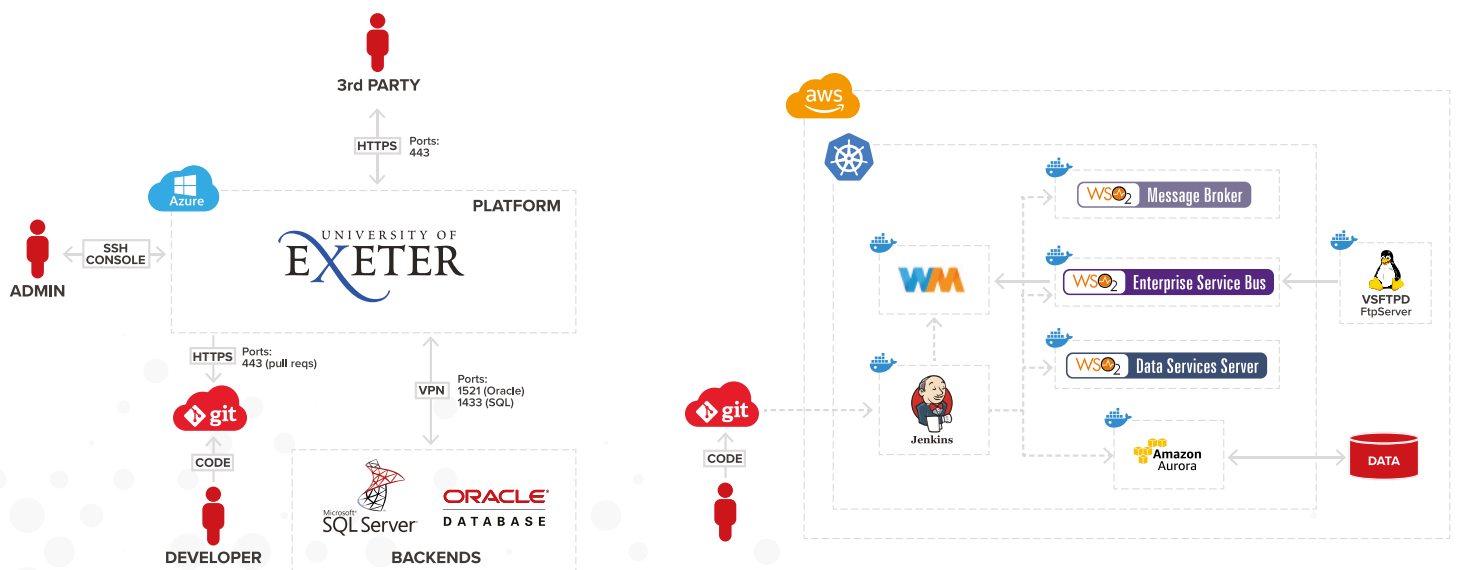
The university evaluated different solutions for the integration of its systems. They finally chose WSO2 for several reasons. Firstly, that WSO2 was a good choice because of its modular design, vital in these types of projects with a high number of integrations. WSO2's modular design allows us to use only those components that we really need and will use.

**“The modular design of WSO2 was vital for a high number of integrations.”**

On the other hand, WSO2 has the ability to couple with CI and automation technologies. This allowed a significant time saving in the project. Thanks to this and the [Chakray Solution Accelerator](#), a solution that can typically take months to deploy can be reduced to days.

Another feature of WSO2 that helped in this project was the possibility of having a hybrid solution; cloud and on-premise. A feature that made the project easier and gave us more flexibility. Finally, WSO2 has a user-friendly design where developers can build and reuse integration components. This allowed us to create standard solutions when needed.

# THE PLATFORM...AWS & AZURE



Basic scheme of WSO2 integration



# CHAKRAY SOLUTION ACCELERATOR: A SOLUTION TO FINISH PROJECTS FASTER

For many companies, the time that normally applies to deliver this type of integration platform is an important factor in deciding when to start the project. In this case, time was of the essence and project had to be completed within three months.

Chakray Solution Accelerator helped significantly in this purpose and in being able to make the integrations in the most efficient and fastest way possible. This solution, exclusive to Chakray, is designed to build WSO2 platforms from code.

This allows us to design an architecture and place them in a file from which we can build the platform from the code. Thanks to WSO2, Chakray and the great work of the client's team, the university was able to integrate all its systems in record time whilst meeting the strict security and quality requirements always necessary in this type of project.





# GET IN TOUCH

**Do you want to improve your systems? Ask our experts.**


Ask our consultants without compromise. We will help you find the best solution for your project.

**CONTACT US**


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