

European multinational insurance company: Central machine learning and AI factory enabled data science teams to share use cases across the cloud

CLUDERA



CUSTOMER SUCCESS STORY

CENTRAL ML AND AI FACTORY ENABLED DATA SCIENCE TEAMS TO SHARE USE CASES ACROSS THE CLOUD

IMPACT

- Enabled self-servicing data and compute provisioning with CML to drive cost efficiencies
- SDK provided security and governance on premises and in the public cloud
- Data science teams can be onboarded quickly and more efficiently

The insurance industry is a large factor in the economy with the amount of money it collects, investments it makes, and the role it plays in covering risks for individuals and companies. This large multinational insurance company in Europe has a vast portfolio of products. They serve one quarter of employees in the private sector, and are also the second biggest health insurer (excluding banking groups). The company has over 10 million customers including more than a half million business customers.

Challenge

Managing all customer data in the cloud has transformed the company, bringing ease of deployment, resourcefulness, and flexibility to the financial services and insurance sector. Finding ways to be more efficient for both customers and insurance advisors to connect and collaborate is paramount. Security and governance remain critical and preventing breaches is equally vital. The challenge was managing data on premises and in the public cloud while protecting the company from data breaches. There was a strong need for a central machine learning (ML) and artificial intelligence (AI) factory across data science teams to collaborate and to access use cases. In addition, onboarding data science teams took time, and the company wanted to move more efficiently and securely.

The traditional data center architecture for the company was limiting data science usage; it offered no graphic processing units (GPU) for asset liabilities, limited resources, and scalability. Furthermore, there were no data science industrialization methodologies. The company needed a robust and scalable ML platform for enabling more AI use cases in their business at scale to embrace a hybrid cloud strategy.

Solution

The multinational insurance company turned to the Cloudera Data Platform (CDP) running on Microsoft Azure to deliver Cloudera Machine Learning (CML). By implementing this new platform they created self-service data and compute provisioning with CML. Teams now had the same user experience between on premises and in the cloud enabling consistent and secure experiences no matter when and where data scientists need to work. This approach not only provided them with the speed and agility that comes with CDP Public Cloud, but also helped drive cost efficiencies through variable compute capabilities.

Machine learning model training often uses lots of compute power for a short space of time, but the development process requires continuous access to compute resources for the data science teams. Having access to resources on premises and in the cloud with a consistent user experience lets the company choose the environment that makes the most economic sense for what they are doing, but does not impose any limitation on how big the environment can be.

Learn how machine learning and AI factory enabled data science teams to share use cases across the cloud. Cloudera enabled this large multinational insurance company in Europe. They serve one quarter of employees in the private sector, and are also the second biggest health insurer. The company has over 10 million customers including more than a half million business customers.