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Advanced European Data Analytics for European Central Bank

- T-Systems to set up a new analytics platform at European Central Bank
- Solution based on European data analytics expertise
- Partnership with ECB until 2025



■ T-Systems to set up new analytics platform at European Central Bank.

European technology and expertise for a European institution: The European Central Bank (ECB) in Frankfurt am Main has chosen Deutsche Telekom's subsidiary T-Systems to build and set up a new enterprise analytics platform. To implement its business strategy regarding data and data centricity and to achieve more technology integration, the ECB wants to move to a new analytics platform for its statistical function called SPACE (Statistical Production and Compilation Environment) which will be based on the existing DISC (Data Intelligence Service Center) platform. As part of a 5-year contract, T-Systems, its technology partner Cloudera and its implementation partner Ultra Tendency will build this new analytics

platform. Cloudera is the underlying data platform for DISC and SPACE. T-Systems and its partners migrate the data and business logic from the current environment, operate and maintain the platform and offer training and support services to the ECB. Based on SPACE the ECB will be enabled to adopt new methods of data analytics, and decrease the time to implement new data compilations.

An important part of this project is the "Telekom Data Intelligence Hub". This platform enables confident, encrypted and direct data exchange across national borders and was architected and implemented by Ultra Tendency. The Kubernetes based Cloudera Data Science Workbench is used at the ECB as a collaborative working environment to grant easy and secure access to data for data science workflows using a variety of user-preferred tools including Jupyter notebooks or RStudio and Spark or Impala for scale out data processing.

"We provide the ECB with a secure platform for the intelligent development of data based services. Together we are building a data-driven ecosystem for the exchange of even highly sensitive governmental data", said Adel Al-Saleh, CEO T-Systems.

Together with the national banks of the 19 European Union (EU) Member States whose currency is the euro, the ECB conducts the monetary policy of the EU and maintains price stability in the euro area. Data is a strategic asset for the ECB in that it collects and manages large amounts of heterogeneous data and statistics to perform its supervisory tasks.

About Ultra Tendency

Ultra Tendency was founded in 2010 as a spin-off of the Institute of Distributed Systems of Magdeburg University. Since its foundation Ultra Tendency has been completely dedicated to Big Data. Today, Ultra Tendency operates 6 offices in 5 countries, supporting global corporations in any industry. Ultra Tendency's

main disciplines are the design, implementation and operationalization of complex Big Data architectures and applications on any public cloud, on premises and hybrid scenarios.

About Cloudera

Cloudera, the enterprise data cloud company, has been working with the ECB since 2016. Cloudera CDH is the technological foundation for the ECB's Data Intelligence Service Center (DISC) - a scale out data and analytics infrastructure hosted on Oracle's Big Data Appliance that will support the SPACE project. On DISC, Economists, Statisticians and Data Scientists work directly with SQL and their favourite open source data science tools within the collaborative Cloudera Data Science Workbench environment that provides secure access to sensitive and shared datasets. Cloudera's Experts have worked with the ECB on the SPACE project for over a year to scope, validate and test potential solutions to migrate the end-of-life time series databases to a modern open source based infrastructure that scales with business needs.

At Cloudera, we believe that data can make what is impossible today, possible tomorrow. We empower people to transform complex data into clear and actionable insights. Cloudera delivers an enterprise data cloud for any data, anywhere, from the Edge to AI. Powered by the relentless innovation of the open source community, Cloudera advances digital transformation for the world's largest enterprises. Learn more at [Cloudera.com](https://cloudera.com).

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About T-Systems: [T-Systems company profile](#)



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