BOYLE
SOFTWARE
A **Beyondsoft** Company

Migrating to cloud-infrastructure from on-prem setup to Cloud Data Lake

At a glance

Industry
Healthcare staffing

Business problem
Improving decision-making capabilities by migrating to a more efficient system

Expected goals
Migrate the existing Hadoop Data Lake and Netezza-based Analytics to AWS cloud infrastructure

Solution
Multi-cloud data migration with multiple ETL solutions

Context

The client is a leading provider of emergency department services. It outsources physicians in emergency medicine, hospital medicine, anesthesiology, critical care, obstetrics, orthopedic surgery, general surgery, ambulatory care, post-acute care and medical call centers to approximately 2,900 acute and post-acute facilities nationwide.

Business problem

The existing analytics stack of the company was scattered across disparate data sources, leading to inefficient data visualization and deriving insights from them.

Expected goals

The key goals expected from this engagement were:

- Migrate the existing Hadoop Data Lake and Netezza-based Analytics to AWS cloud infrastructure

Solution delivered

Beyondsoft delivered the following solutions to the client:

- Data Migration with multiple ETL solutions into a multicloud infrastructure

- Improvement in data security through integration

- Deployment of Snowflake for enhancing data visualization abilities

Solution highlights

- Data extracted for 28 disparate data sources

- Data transformation, containerization, and deployment of data to cloud-based infrastructure

Technology stack Deployed

ETL Process: RDMS, CDC, Pipeline, Python, Cloud based services

Cloud: AWS Infrastructure + Azure DevOps

Security and integration: OKTA

Analytics: Snowflake

Outcomes of the engagement

Improved data visualization across disparate sources

The solution helped the client to extract data from 28 disparate sources through ingestion either through the cloud solution or in raw format.
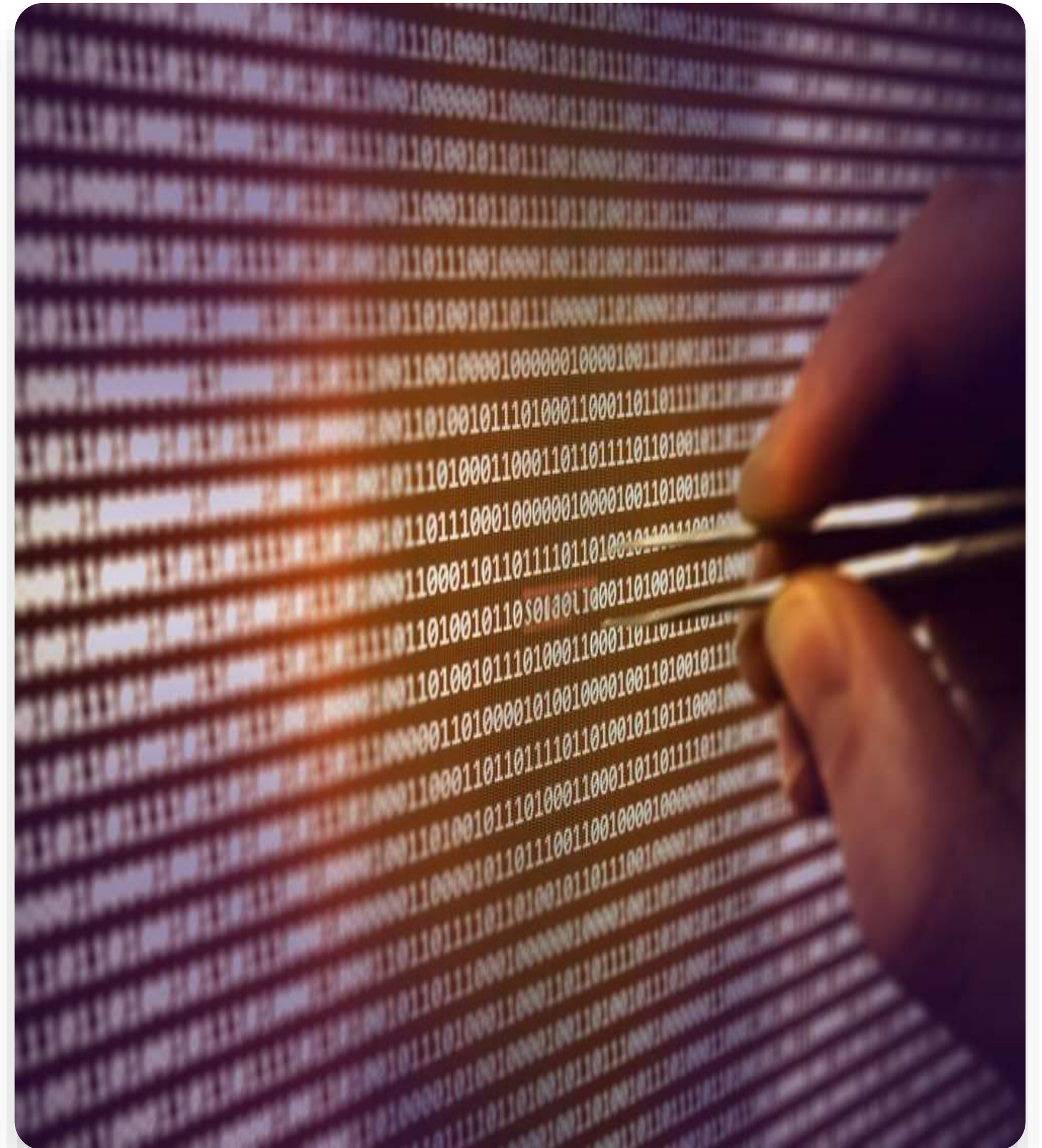
Migration of on-premise analytics stack to cloud

The solution helped in improving the efficiency of the process by decommissioning their on-premise requirements to more secure cloud-based infrastructure

Key project outcome metrics:

28

Distinct data sources integrated

BOYLE SOFTWARE

A **Beyondsoft** Company

Since our founding 35 years ago, Boyle Software has been a company that is far more than the sum of its parts.

A subsidiary of global consultancy Beyondsoft since 2020, we pride ourselves on our highly skilled team, full of passion and knowledge for the latest design concepts and technologies.

Headquartered in New York City since 1995, we have operations in Europe and resources all around the globe - from Uruguay to Costa Rica, from Singapore to Thailand.