

AvePoint's Predictive Insights and Unified Data Platform Solutions Improve Data Analysis of an Educational Institution to Further Students' Success

Customer Profile

The educational institution is a tertiary institution focused on equipping students with lifelong skills and digital knowledge for a future of dynamic change.

Location

APAC

Industry

Education

Success Highlights

- **Migrated over 20 years of historical data** from nearly 300 databases
- **Centralised data from siloed sources and gained predictive insights** that helped understand student attrition and attendance
- **Visualised data insights and trends** through Power BI and Tableau

Solution

AvePoint Predictive Insights
AvePoint Unified Data Platform

The Challenge

- Implementing a modern, scalable, and efficient platform to host data from segregate information management system
- Integrating data sources into a centralized location to streamline data processes
- Gaining access to insights to assist with strategic business decisions
- 20 years' worth of legacy data across nearly 300 structured and unstructured databases

The AvePoint Solution

AvePoint implemented the Predictive Insights (PI) and Unified Data Platform (UDP), which leveraged five cloud-native components to integrate all data sets of the institution into a single platform in a bid to elicit data driven insights and AvePoint offered value-added consultancy to ensure data accuracy, consistency, and completeness.

This implementation into the educational institution's systems involved:

- **Data Identification:** Migrate and consolidate about 20 years of historical data across nearly 300 structured and unstructured datasets to prepare a knowledge base.
- **Data Integration:** Utilise native Amazon Web Services tools such as DataSync and Application Migration Service to integrate non-structured and structured data respectively

to create a Data Lake and, which helped consolidate the wide range of data used by management and departments, assisting in the decision-making process, as well as operational effectiveness and efficiency.

- **Data Modelling and Governance:** Maintain data quality, manageability, availability, and security through robust data governance and modelling practices.
- **Data Visualisation:** Provide intuitive and insightful data visualisation to aid in decision-making, flexibly configurable through Power BI and Tableau.
- **Intelligent Insight and Prediction:** Leverage AWS Sagemaker to provide insights and forecast on information that matters to the organization. For the educational institution, this involves student attrition, graduate employment outcomes within one to five years after graduation, and consistency of student attendance.
- **Consultation Services:** Access to a team of experts to ensure data correctness, consistency, and completeness of the systems implementation.

Through AvePoint's structured and strategic approach, the educational institution successfully transitioned to a more productive and scalable data platform. The modernization efforts resulted in:

- **Access to Comprehensive Information:** Having a consolidated platform helped the institution have a single source of information and have a 360° view on key performance indicators enabled management and departmental users to make more informed decisions.

- **Improved Decision-making:** Support decision making through access to a unified data repository and predictive data insights to minimise student attrition, profile potential graduate employment outcomes, and improve student attendance.
- **Increased Operational Efficiency:** Streamlined data processes and improved data quality contributed to more efficient operations.
- **Scalability and Future-Readiness:** The new platform, built on a scalable cloud infrastructure, offered more cost efficiency, better maintenance, and resiliency to sustain future growth and technological advancements.

The Bottom Line

Through AvePoint's PI and UDP, the educational institution has transitioned into a modern, scalable platform that integrates, manages, and visualises data effectively, aligning with the latest industry standards and policies.

The institution can now continuously sync data to derive insights within hours, eliminating to days of effort in manually extracting, consolidating, and analysing data. This transformation empowered the institution to enhance its data-driven decision-making processes, driving productivity and efficiency across the organization.



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