

Data Modernization Studio

Accelerate Your Transition to Modern Data Architectures

About Ascendion

Ascendion is a leading provider of AI-first software engineering services, combining technology and talent to deliver tech debt relief, improve engineering productivity, and accelerate time to value, delivering from the US, Canada, Mexico, and India.

Engineering^{AI} comprises of more than 10 engineering studios, Ascendion AVA+ that leverages AI to accelerate software development, optimize costs, improve quality, and deliver predictable outcomes.



Challenges

Many businesses continue to run on legacy data platforms, facing slow performance issues, high upgrade costs, & rising maintenance expenses. As businesses demand high agility, legacy data platforms struggle to keep pace. Additionally, outdated systems often cannot support AI or advanced analytics, limiting future growth. While transitioning to modern data architectures, Enterprises often lack visibility into their legacy system's complexity, making the transition risky. Manual code conversion drains resources, & teams may not be prepared for the cloud-based models needed to optimize costs. Without a strategic plan, businesses risk overspending without realizing the true benefits of modernization.

Data Modernization Studio (DMS)

AVA+ Data Modernization Studio is crafted to simplify and speed up the transition from outdated data platforms to modern cloud-based solutions architected to exponentially scale your business use cases. Utilizing GenAI-powered automation, DMS offers comprehensive assessment, conversion, and validation services across Azure Data Services like Fabric and Synapse, as well as Snowflake and Databricks. It tackles critical challenges such as manual code conversion, limited visibility into code impact points, and deploying code optimized for Azure cost efficiency.

Success story



A **global aerospace & defense leader**, transitioned from Snowflake to Azure Synapse Analytics to boost performance & improve data security. Using Ascendion's AI-powered AVA Data Modernization Studio, we automated the conversion of stored procedures, tables, views, and pipelines, delivering a 90% efficiency improvement in the migration process. This approach reduced migration time by 50%, ensuring faster query execution, optimized performance, and enhanced security.

- ❑ **GenAI-Powered Automation:** Automate assessment, conversion, & validation processes to reduce manual effort and risks.
- ❑ **Multi-Platform Support:** Seamlessly migrate to Azure Fabric, Synapse, Snowflake, and Databricks on Azure.
- ❑ **Optimized Code Deployment:** Generate code optimized for performance & cost
- ❑ **Insightful Dashboards:** Gain visibility into the conversion process with Mission Control dashboards on Power BI.
- ❑ **Flexible Deployment Options:** Tailor deployment strategies to fit your unique data landscape complying with your governance and security framework.

Key Capabilities

- ❑ **Accelerate Transformation:** Achieve up to 50% faster modernization of your data platforms
- ❑ **Cost Reduction:** Realize up to 60% cost savings through automation and optimized code deployment
- ❑ **Enhanced Visibility:** Understand code impact points and conversion progress in real-time to control risks.
- ❑ **Scalable Solutions:** Ensure rapid, scalable modernization tailored to your enterprise needs.
- ❑ **Seamless Integration:** Deploy and run DMS seamlessly within your secure Azure environment.

Value Proposition

Get Started Today

Now available on Azure Marketplace, Ascendion's AVA+ Data Modernization Studio empowers your business to transition swiftly and efficiently to modern data architectures. Deploy DMS within your Azure environment to begin your modernization journey. **Experience a quick pilot solution in four weeks.**