Ascend ML Builder™

Advanced, on-demand machine-learning environment optimized for accelerated exploratory data analysis and model building

Financial institutions are processing increasing amounts of data to build sophisticated models as quickly as possible to push a model into production to meet immediate business needs. The process is time consuming and expensive, with costs escalating as model complexity grows.

Experian® research shows it takes an average of 15 months to develop and deploy a model, with 55% of financial institutions building models that never make it into production.[1] In many instances, they waste time configuring environments and maintaining complex infrastructure that can distract vital resources from other priorities.

A solution that helps speed data processing times while building more granular, sophisticated models is needed. Critical to this, is having an environment that can quickly validate data and streamline the modeling process from development through deployment.

Ready when you need it!

Fast — Ascend ML Builder™ offers model-ready datasets and data sources; fast-processing engines to spin up EMR (Elastic MapReduce) clusters; and accelerators for rapid analysis, modeling, and readying your model for deployment.

Powerful — Eliminate the need for hardware configuration or understanding of infrastructure. Access multiple compute resource options for your project(s) with the ability to configure code based on your specific use case.

Integrated — Add Ascend Ops™ for fast and seamless model deployment. Manage all your models in one place with Ascend Ops™ Manager, and request consultation with Experian experts.

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Ascend ML Builder optimizes data validation and model development by leveraging Accelerators — or prebuilt code templates — that reduce time spent in the process from months to days, while seamlessly connecting to Ascend Ops for fast deployment.

• **Dedicated environment** — You can run high-priority projects in a secure and disruption-free environment optimized for data validation and model development. This helps avoid impact to your data lake or sandbox environment to keep your vital resources focused.

• **Innovative compute optimization** — The on-demand and flexible environment is configured based on the compute resources you allocated and can be further configured for your project's modeling use case.

• **Prebuilt Accelerators** — Gain full access to Experian's proprietary repository of machine learning (ML) and statistical applications that simplify, guide, and speed data wrangling, common analyses, and a range of advanced modeling methods.

• **Wrangle terabytes of data** — Leverage our Data Wrangler Accelerator to gather data in minutes to dramatically reduce cost and run-time overhead.

• **Leverage Experian IP** — Access 20 years of historical consumer data and interface with other data.

• **Easy and integrated deployment** — The process includes artifact generation support, which packages the model for deployment to any target environment with the option to add Experian's ModelOps solution, Ascend Ops, to push models into production faster than ever before.

• **We're here to help** — Ascend ML Builder comes with additional resources including access to Experian data and model-building experts who can also deploy a model on your behalf using Ascend Ops.

Ascend ML Builder is quick, easy and cost-effective

1. **Set up project** — At any time, create a dedicated workspace for your project(s).

2. **Select prebuilt code** — Accelerators guide and speed exploratory data analysis and model building.

3. **Build and validate model** — Use optimized compute resources and data you specified.

4. **Ready model to deploy** — Containerize your model and add Ascend Ops for fast deployment or download to deploy elsewhere.

5. **Close project** — Spin down the environment with access to code and associated data sets, as needed.

About Experian Ascend Platform™

Ascend ML Builder is part of Experian Ascend Platform™, a one-stop shop for integrated solutions that unlock data and power advanced analytics across the customer lifecycle.

This advanced solution for skilled model developers coding in Python supports teams both large and small.

For large teams, Ascend ML Builder can complement an existing data lake or sandbox to ensure that high-priority projects do not overload the modeling pipeline.

Alternatively, for smaller teams, it can act as a catalyst to expedite data wrangling and modeling for intermittent, specific projects.

For more information about Experian Ascend Platform including Ascend ML Builder, click the button below or contact your Experian sales representative.

Learn more here