

Vertex Smart Categorization

Vertex Smart Categorization empowers retailers to transform the process of product categorization for taxability. Providing volume mapping at the right level of granularity in minutes, optimizing product information management. Quickly link product lists to Vertex tax content to make product categorization faster. Powered by generative AI models and guided by human expertise, the tool centralizes workflows, reduces categorization time, and accelerates setup.

Vertex empowers retailers.

Getting tax right can impact retailers' margins, especially for those managing higher volumes of product SKUs. Vertex Smart Categorization leverages the power of generative Artificial Intelligence (AI) and Machine Learning (ML) to improve the speed and consistency of your product categorization and mapping for the Vertex tax engine.

The tool centralizes the categorization process, adds workflows to reduce judgement errors, accelerates mapping, and helps enable tax accuracy to mitigate risk. You'll spend less time and resources on product categorization and product onboarding with less risk.

Tax-Smart Categorization

The Vertex Smart Categorization tool provides automated product analysis and proposes U.S. sales tax categories for the products entered by the user. The tool can be used at various points in the tax process, including:

- First-time product mapping during an initial O Series implementation
- Ongoing mapping of new products (or new versions of existing products)
- Validating taxability of a product catalog

Vertex Smart Categorization uses advanced AI, powered by GPT-based Large Language Models (LLM) and Vertex's tax intelligence, to automate and analyze product associations with Vertex tax categories.

The system combines responsibly governed algorithms, proprietary AI models, customer data, and additional proprietary information to improve consistency to enable tax accuracy.

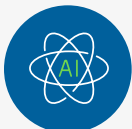
Boost tax processes

Intelligent tax categorization mapping accelerates tax processes:

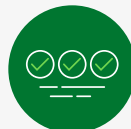
- Purpose-built AI modeling to optimize tax categorization activity reducing association effort down to minutes.
- Designed to take advantage of Vertex content granularity and streamline product mapping activity.
- Centralize the tax categorization process to enhance workflow and minimize errors.
- Increase consistency and predictability in tax mapping for scale in a controlled and repeatable environment.
- Boost agility to adapt quickly to changes in your product catalog.
- Automatically account for Sales Tax Holidays using Vertex's granular retail category tree, eliminating the need for manual holiday-specific overrides or seasonal configuration work.

Vertex Smart Categorization accelerates U.S. sales tax mapping, increases time to value, improves data governance and master data management, while reducing time and effort for tax engine upkeep and maintenance.

Benefits



Intelligent
Process
Automation



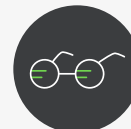
Scalable,
Repeatable,
Standardized



Improved
Consistency



Internal
Efficiency
& Speed



Audit
Backup

Features



Intelligent Tax Categorization Mapping

Analyzes and automates the association of products to Vertex sales tax categories leveraging generative AI GPT-based Large Language Models (LLM) guided by proprietary Vertex content and tax intelligence.



Proposed Category Mapping with Confidence Score

AI model proposes a Vertex sales tax category for each product based on the data uploaded, including a confidence score. This allows users to easily prioritize their review process, either approve and map the suggested category, or choose an alternative categorization.



Batch File Upload and Processing

Enables upload of large volumes of product data for processing, analysis/comparison, and categorization. Supports multi-user, multiple upload processing, enabling users and teams to support multiple business units, partners/sellers, and/or product segments to be supported at the same time.



Proactive product detail for user adjustment

Without leaving your workstation, relevant product attributes (when reliably sourced) are displayed directly within the application to help users make faster and more informed category decisions. Attributes like ingredients, packaging, weight, size, volume, and more are shown. If these attributes suggest a different category, users can easily access the Vertex category tree and adjust the mapping with just a few clicks.



Role-based Access

Role-based governance to manage user access to reports, notifications, and access to admin functionality and documentation of changes.



Control of Product Mapping Data

Role-based workflows ensure users validate AI-driven recommendations before finalizing mappings. Logged changes, notes, and approval history provide a defensible audit trail of who changed what, when, and why.



Human in the Loop

Customer users review, approve, or adjust AI-proposed mappings based on their own policies and product knowledge, supported by governance workflows, role-based access, and audit history. In parallel, Vertex continually monitors mapping performance, refines tax content and model guidance to help the solution stay “tax smart” over time.



Interactive User Interface (UI) & Dashboard

Easy-to-use UI, globally accessible, with a consolidated dashboard to streamline workflows and provide real-time visibility. Drilldown into activity. View status of uploads and mapping process then verify, edit, apply or export mappings. With quick access to perform simple tasks, and links to help users pick up where they left off, the process becomes easy. In addition, review category trends, previous uploads or start a new job - all at your fingertips. Quickly see recent activity and actions taken, plus audit reporting to gain visibility into product mapping changes, workflow, and to support compliance activity. In short, enable cross function users, based on your unique business process, to access a single, consolidated platform built for tax categorization efficiency.



Review & Approval

Workflow assignment enables cross-functional review and approval of proposed mappings by the right stakeholders in Tax, Finance, and IT, improving governance and audit readiness.



APIs, Downloadable Mapping, & Audit Package

Ingest product data from PIM, ERP, and/or e-commerce systems via documented APIs, then download validated product-to-category mappings for import into O Series or other downstream systems. Generate comprehensive Audit Packages based on robust logging—including mapping decisions, reviewer actions, and historical changes.

To learn more, visit VertexInc.com.

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