



# DIY Digital Customs

—*Sharing China Customs Practices*



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# DIY DataModel

## Internal Data

covering document review

risk control

tariff

supervision

anti smuggling

inspection

enterprise management,

inspection and quarantine

.....

## External Data

1.Enterprise



2.Industrial



3.Logistics



4.Data exchanged

Transportation data, enterprise registration data, foreign exchange trade data....

5.International cooperation data

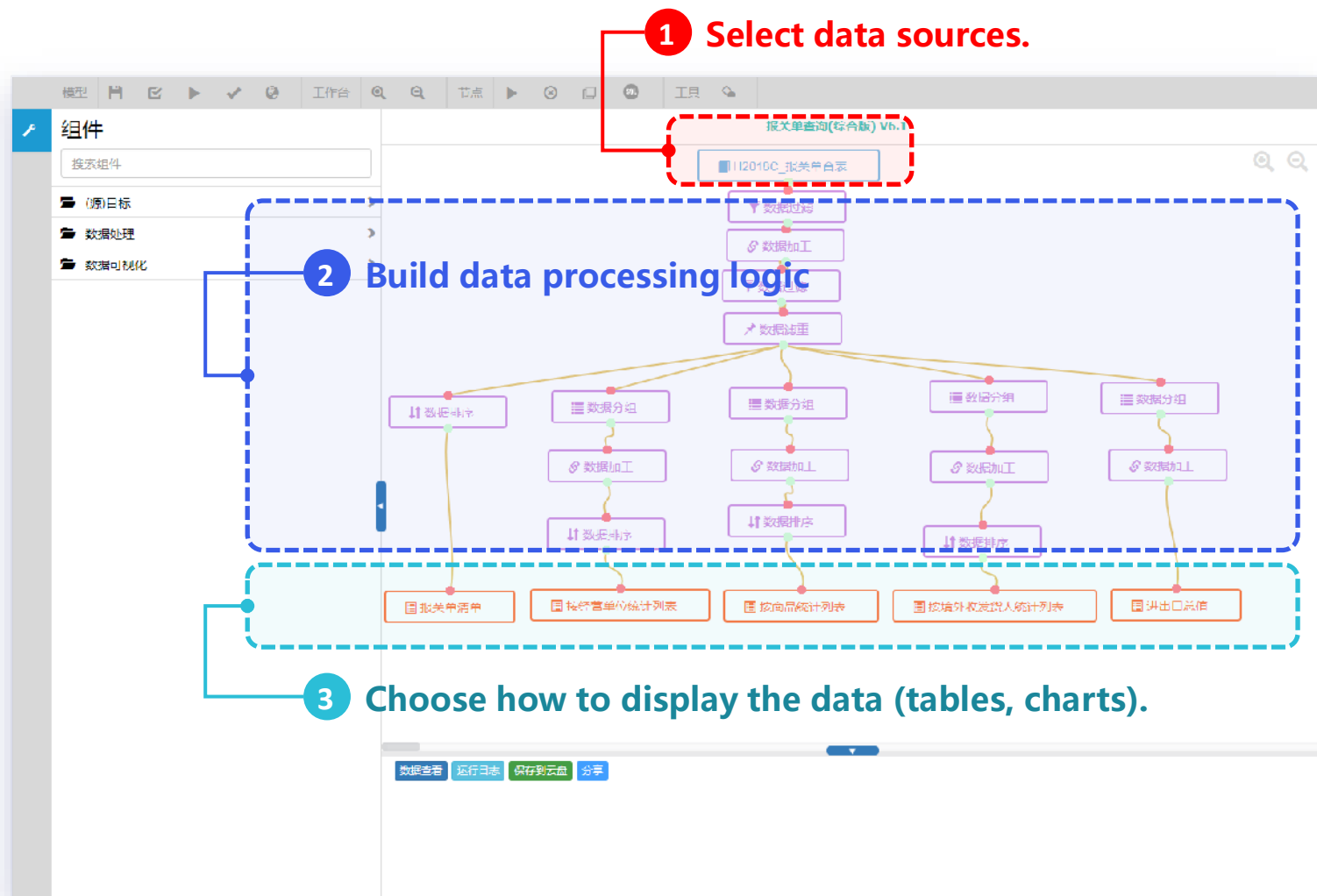
Bilateral trade data, certificate of origin data, AEO data...

Nearly **300 billion** data records

# DIY DataModel



User Interface of “Cloud Engine”



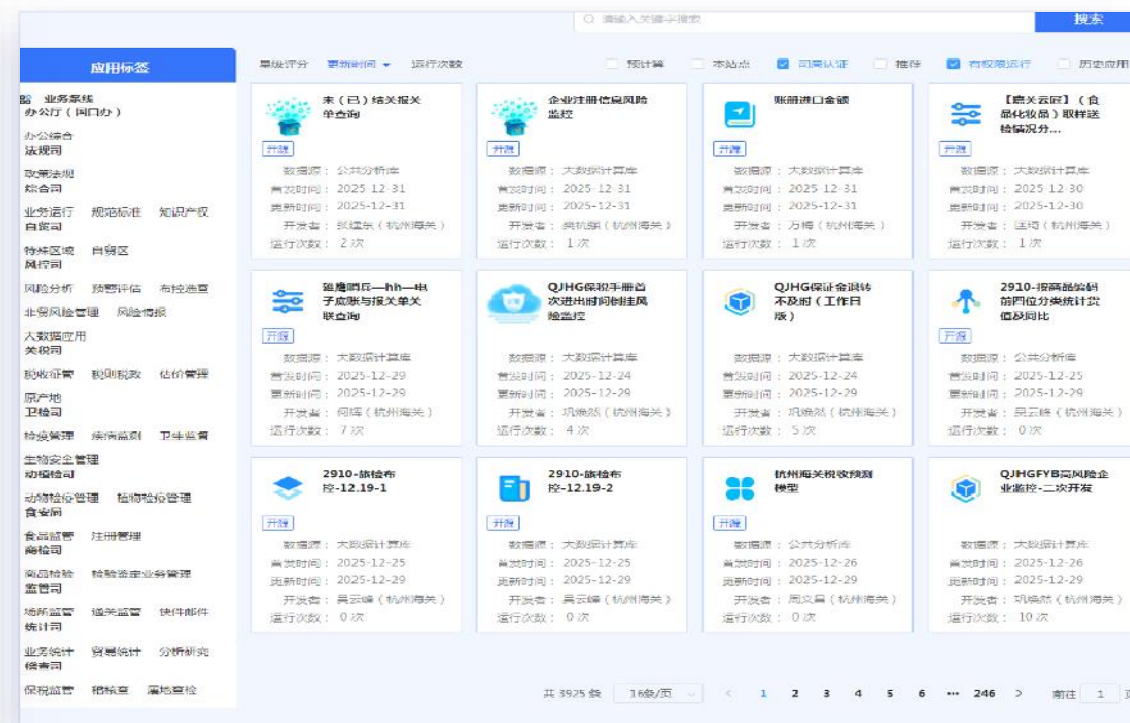
Visual data modeling

# DIY DataModel — Ecological Application of Models

## Customs Area Achievements



## Model Marketplace



Over 40,000 shared models published in the model marketplace.

# DIY AI Agents

## Text Processing Center

- providing text generation
- machine translation semantic parsing
- intelligent dialogue capabilities

01

## Visual Analysis Center

- providing image classification
- object detection
- high-precision segmentation capabilities

02

## Voice Interaction Center

- providing multilingual recognition,
- verification,
- response capabilities

03

## Decision Support Center

- providing risk prediction
- dynamic recommendation knowledge reasoning capabilities

04



# DIY AI Agents — Document Review Assistant

The screenshot displays the H2018 Single Document Review System interface. The main window shows a customs declaration form with various fields such as 'Import Declaration Number', 'Date of Declaration', 'Origin', 'Destination', 'Commodity Description', and 'Value'. A red banner at the top right indicates a warning: '该报关单10天前已派单,风险甄别没有完成;征免方式'.

Overlaid on the main window is a 'Document Review Assistant' (Document Review Assistant) window. This window contains a table with columns for 'Item No.', 'Serial Number', 'Product Number', 'Supervision Classification Name', 'Unit Price', and 'Total Price'. The table lists several items, including 'Import Declaration', 'Export Declaration', 'Import Declaration', 'Export Declaration', and 'Import Declaration'. A blue arrow points to the 'Document Review Assistant' window.

Below the main window, there are two smaller windows showing document images. The left window shows a document with a signature and a stamp. The right window shows a document with a signature and a stamp.

The document review assistant assists customs officers in quickly verifying whether the content, format, visa officer's notes, seals, etc. of the certificate are consistent with the declaration information and archiving template, reducing the customs officers' document review time from 20 minutes to 2 minutes.

# DIY AI Agents —Intelligent customer service assistant



## ➤ 12360 Intelligent Customer Service

Quickly understands user intent and provides accurate, timely answers on Customs policies, business guidance, and procedures.

## ➤ Intelligent government terminal

Some directly affiliated customs offices, such as Nanjing Customs has piloted the application of "Smart Government Terminals" in the customs declaration hall.

## ➤ AI digital human customer service

Some customs offices, such as Xiamen Customs, have piloted the application of AI digital human technology, which provides better interaction capabilities

# DIY AI Agents — Vibe Coding Assistant CUSCLI

## CUS-CLI

1.1.0

Produced by 黄浦海关科技处

欢迎使用中国海关智能编码助手，输入 /help 查看可用命令。

已加载的插件：

- git 辅助工具，提供 git 命令和状态查询
- 代码规范检查插件，支持检查单文件和批量检查目录

▲ 重要提示：自动编程和智能代理（Agentic Agent）功能对 AI 模型能力要求极高，请务必配置 DeepSeek V3.1（128K 上下文窗口）或后续能力更强的模型，低于此标准的模型将导致功能异常，无法正常工作！

支持的命令：

命令 - 描述

```
/auto <query> - 通过AI辅助进行智能命令分析和执行
/auto /new <query> - 开始一个新的AI对话会话
/auto /resume <id> <query> - 通过ID恢复之前的对话
/auto /list - 列出所有对话会话
/auto /command <file> - 从模板文件执行命令
/commit - 根据用户人工修改的代码自动生成yaml文件并提交更改
/conf <key>:<value> - 设置配置。使用 /conf project_type:<type> 设置索引的项目类型
/shell <command> - 执行shell命令或切换到shell模式
/shell - 启动交互式子shell
!<command> - 执行单行shell命令
/add_files <file1> <file2> ... - 将文件添加到当前会话
/remove_files <file1>,<file2> ... - 从当前会话中移除文件
/chat <query> - 与AI聊天，获取关于当前活动文件的见解
/coding <query> - 根据需求请求AI修改代码
/revert - 撤销上次代码聊天的提交
/index/query <args> - 查询项目索引
/index/build - 触发构建项目索引
/list_files - 列出当前会话中的所有活动文件
/help - 显示此帮助消息
/mode - 切换输入模式
/lib - 管理库
/models - 管理模型配置，仅在lite模式下可用
/plugins - 管理插件
/active_context - 管理活动上下文任务，列出所有任务及其状态
/exit - 退出程序
```



AI-assisted  
programming

## Introduction to CusCLI

CusCLI is an auxiliary programming agent independently developed by China Customs, utilizing a command-driven interaction mode and invoking AI capabilities through concise slash commands.

Core commands include:

/coding for intelligent code generation,

/chat for intelligent conversation,

/auto for fully automated programming proxy.

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The time required to translate requirements descriptions into code has been shortened from days to hours, with over **70%** of routine development tasks being completed autonomously.





# Thanks for listening



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