Flexible Data Collection ——User Guide

Collects data for AI model training and feature development, flexible and cost-efficient solutions for vehicles and edge devices without OTA.

Flexible Data Collection

1. Introduction

1.1. Business Background

During vehicle operation, the vehicle bus continuously generates signals that reflect the operating conditions and status of the vehicle, on-board ECUs, and components. Using the signal flow on the bus, functions such as vehicle status analysis, component fault analysis, and part operation data statistics can be realized, enabling rapid fault investigation and system design optimization. Therefore, collecting and analyzing the signal flow of bus communication is of great value.

Generally, the signal flow of on-board bus communication can be collected and then uploaded to the cloud server for data analysis. However, the on-board bus generates signals in real time with a time cycle, resulting in a large signal volume. Uploading all signals to the cloud will generate significant network traffic, and most of the data is of no value. Therefore, it is necessary to filter the collected data on the vehicle side and upload only the potentially valuable data to the cloud. Furthermore, flexible configuration of data filtering rules according to different periods and conditions can help obtain valuable data more flexibly.

To address the above issues, we provide a highly versatile, easy-to-operate, flexible, low-cost, low-resource-consuming, and mass-production verified on-board bus data flexible collection solution, realizing flexible data collection through vehicle-cloud collaboration.

1.2. Functional Overview of the Flexible Data Acquisition Platform

The Flexible Data Acquisition Platform provides users with the following core functions:

1. **Event Acquisition**: Based on business requirements, users create event-based algorithms and deliver them to the vehicle side. The vehicle side continuously runs the algorithms to monitor event triggers. When vehicle-side data meets the preset event logic, data is uploaded according to algorithm configurations. For detailed methods of creating and managing event acquisition, refer to the [Event Acquisition] chapter.

2. **Periodic Acquisition**: This function enables the vehicle side to continuously upload data to the cloud at a fixed sampling frequency. VDE users can edit the signal range and sampling frequency of periodic acquisition on the cloud to flexibly adjust the periodic acquisition strategy. For detailed methods of creating and managing periodic acquisition, refer to the [Periodic Acquisition] chapter.

3. **Historical Query Acquisition**: The VDE edge database on each vehicle stores the original frequency data of the vehicle for a certain period on the vehicle side. VDE users can create historical query tasks on the cloud, configure the query signal range and time range, and deliver them to the vehicle side to complete the callback of original frequency data queries. For detailed methods of creating and managing historical query acquisition, refer to the [Historical Query] chapter.

4. **Historical Calculation Acquisition**: The cloud sets the start and end times for vehicle historical data calculation as needed. After the acquisition algorithm is delivered to the vehicle side, the vehicle side calculates the historical data within this period and uploads the results to the cloud. For detailed methods of creating and managing historical calculation acquisition, refer to the [Historical Calculation] chapter.

5. **Log Acquisition**: Currently, the VDE edge database has accessed log data such as a, b, c, and d. Users can collect various types of log data through the VDE platform. For detailed methods of creating and managing log acquisition, refer to the [Log Acquisition] chapter.

6. **DoIP Acquisition**: The cloud sets the acquisition time range and network card (VLAN). VDE users deliver the acquisition rules to the vehicle side, collect DoIP data through a fixed port (13400), and the vehicle side uploads the DoIP data within the specified time range to the cloud. For detailed methods of creating and managing DoIP acquisition, refer to the [DoIP Acquisition] chapter.

7. **eMMC Monitoring**: Regularly monitor the health status of the vehicle-side eMMC. Through the Flexible Data Acquisition Platform, VDE users can monitor the eMMC health status (normal/abnormal) by vehicle model and series. They can also view specific eMMC abnormal information by clicking on vehicles with eMMC abnormalities. For detailed methods of managing eMMC monitoring, refer to the [eMMC Monitoring] chapter.

8. **Deployment Approval**: A secondary review of acquisition tasks to verify whether they meet business requirements. For detailed methods of managing deployment approval, refer to the [Deployment Approval] chapter.

9. **Vehicle Management**: Supports viewing vehicle information synchronized from the TSP. For detailed methods of vehicle management, refer to the [Vehicle Management] chapter.

10. **Vehicle Grouping**: VDE users can customize vehicle groups in advance. When creating acquisition tasks later, they can quickly initiate tasks by selecting the corresponding group instead of checking vehicles one by one. For detailed methods of managing vehicle grouping, refer to the [Vehicle Grouping] chapter.

11. **Signal Management**: Supports viewing signal information synchronized from the TSP. For detailed methods of signal management, refer to the [Signal Management] chapter.

12. **Signal Grouping**: VDE users can customize signal groups in advance. When creating acquisition tasks later, they can quickly initiate tasks by selecting the corresponding group instead of checking signals one by one. For detailed methods of managing signal grouping, refer to the [Signal Grouping] chapter.

13. **Requirement Management**: Since the delivery of periodic acquisition and event acquisition will have a certain impact on resource costs and vehicle-side performance, to ensure stable system operation, users need to submit a requirement application through the platform before creating such acquisitions. The algorithm can only be delivered to the vehicle side after the system approves the application. For detailed methods of creating and managing requirement management, refer to the [Requirement Management] chapter.

14. **Requirement Approval**: Users with approval permissions review submitted requirement applications, estimate the resource costs of the cloud and vehicle sides and deployment feasibility, and confirm the acquisition plan. For detailed methods of managing requirement approval, refer to the [Requirement Approval] chapter.

15. **Platform Approval** : A primary review of acquisition tasks to verify whether they meet business requirements. For detailed methods of managing platform approval, refer to the [Platform Approval] chapter.

16. **Pre-VDE Startup Data**: Mainly describes functions such as how to download and view data before VDE startup. For detailed descriptions of pre-startup data, refer to the [Pre-Startup Data] chapter.

17. **Data Download**: The data download function supports the download and viewing of various collected data. For detailed descriptions of data download, refer to the **[Data Download]** chapter.

👍 **Notes**:

- Periodic Acquisition supports all vehicle models and long-term data collection. Due to high data costs, it only supports sampling frequencies of 10ms, 100ms, and 1s, and cannot support full-volume raw frequency upload. If you have needs for high-precision data, please use the Historical Acquisition function.

- The event algorithms relied on by Event Acquisition and Historical Calculation Acquisition must be built using VDE's supporting algorithm building tool. For usage instructions of the algorithm building tool, refer to the *Algorithm Platform Help Document* or contact platform support staff.

- Since the delivery of Periodic Acquisition and Event Acquisition will have a certain impact on resource costs and vehicle-side performance, to ensure stable system operation, you need to submit a requirement application through the platform before creating such acquisitions. The algorithm can only be delivered to the vehicle side after system approval.

- Historical Acquisition and Log Acquisition do not require approval.

2. Login Methods

2.1. Login Interface

The system's web client is compatible with common browsers on the market, including Google Chrome, Mozilla Firefox, 360 Secure Browser (Extreme Speed Mode), and Microsoft Edge. Enter the corresponding URL: [xxx Address] in the browser's address bar, and the login page will be displayed.

The login page shows the username and password fields.
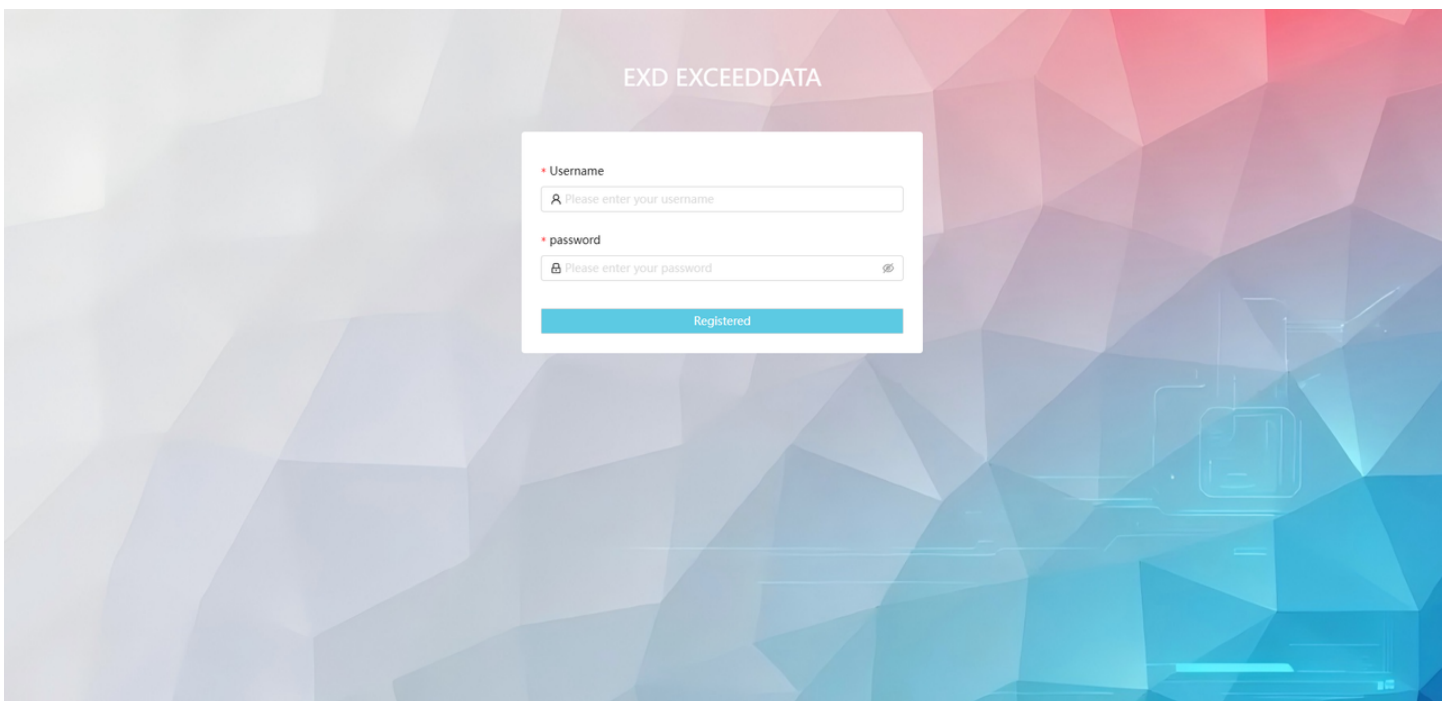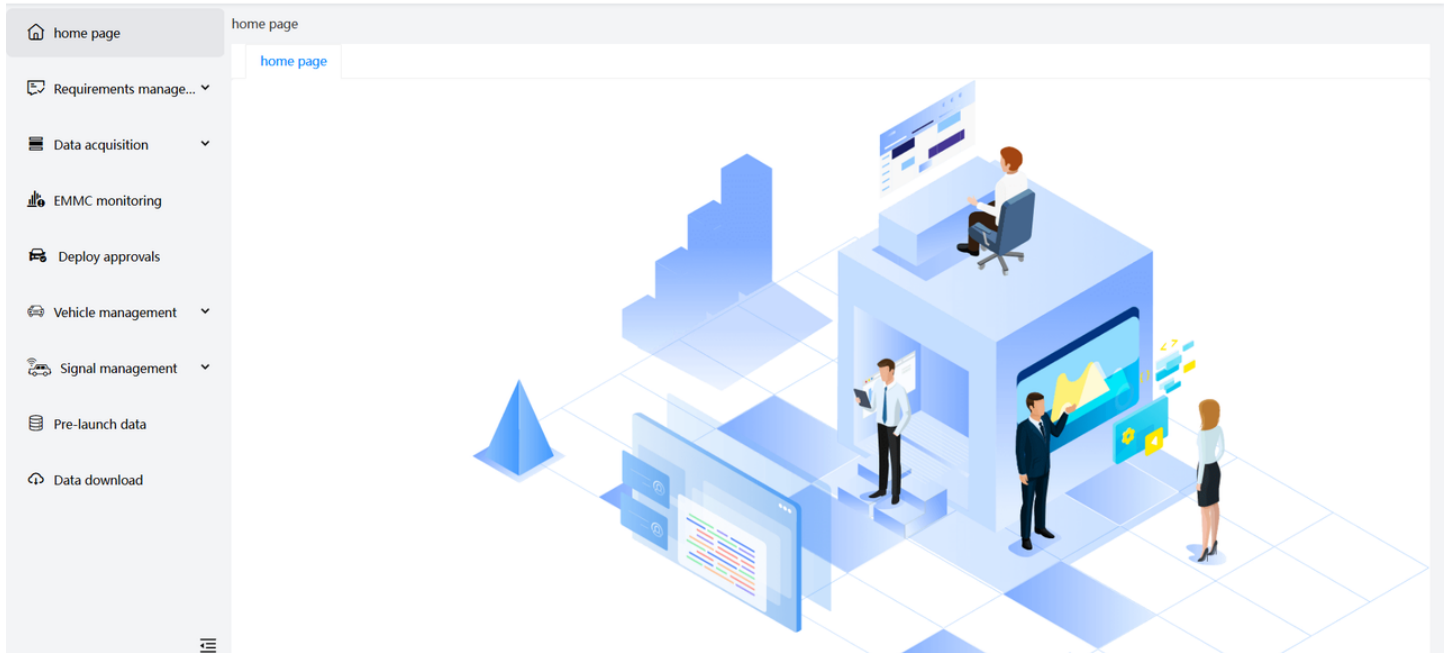
2.2. Introduction to the Operation Interface

After logging into the system, the interface consists of a page header, a menu bar, and a functional area.

- Page Header:
  - Product Logo: Only displays the current logo of the product.
  - Algorithm Platform Button: Clicking it allows users to enter the algorithm platform interface to build acquisition algorithms.
  - User Information: Displays user information and version information, and provides a logout function.

- Menu Bar: Contains all menu directories and can be collapsed or expanded. Clicking a menu navigates to the corresponding functional area.

- Functional Area: Includes Home, Requirement Management, Requirement Approval, Event Acquisition, Periodic Acquisition, Historical Calculation, Log Acquisition, DoIP Acquisition, eMMC Monitoring, Deployment Approval, Vehicle Management, Vehicle Grouping, Signal Management, Signal Grouping, and Data Download.
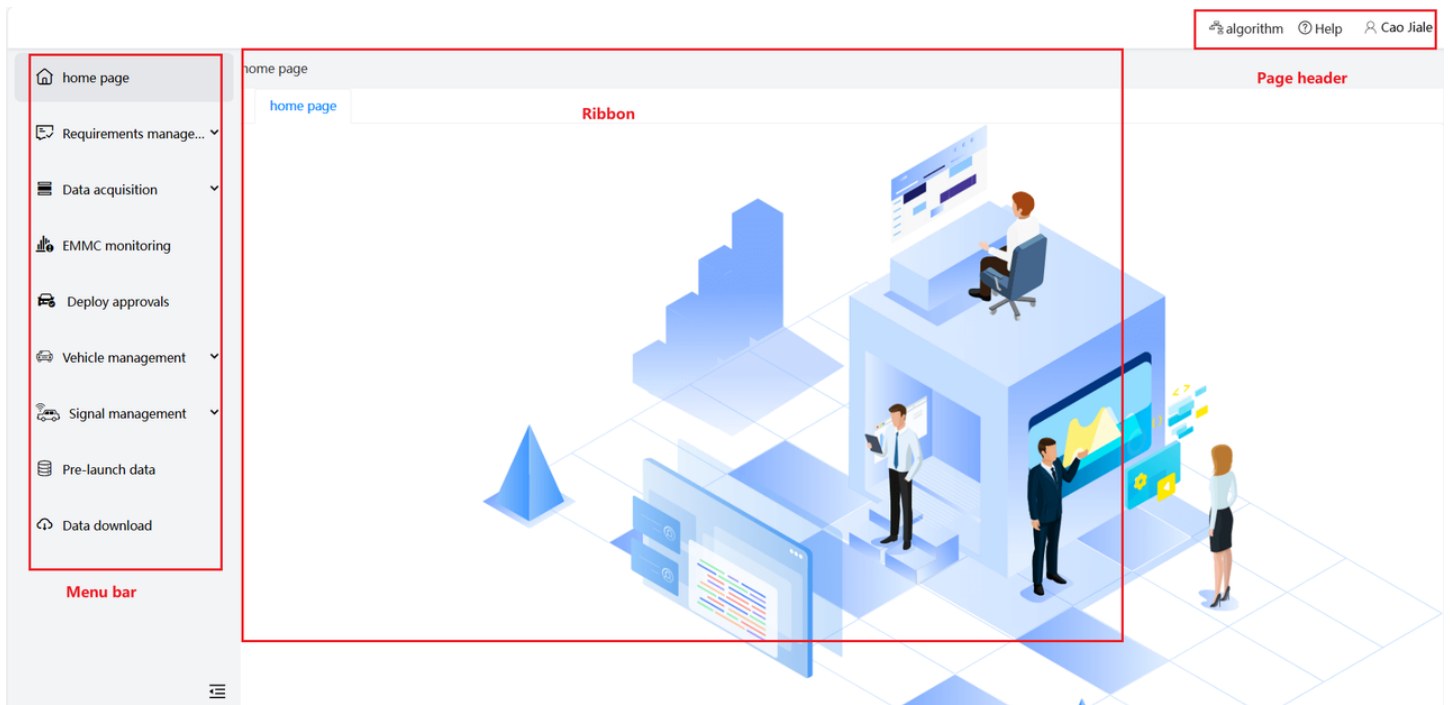
3. Introduction to Common Functions

3.1. Logout

Click the "User Name" in the upper right corner, and a drop-down menu will appear. Select and click the "Logout" button to return to the login page.
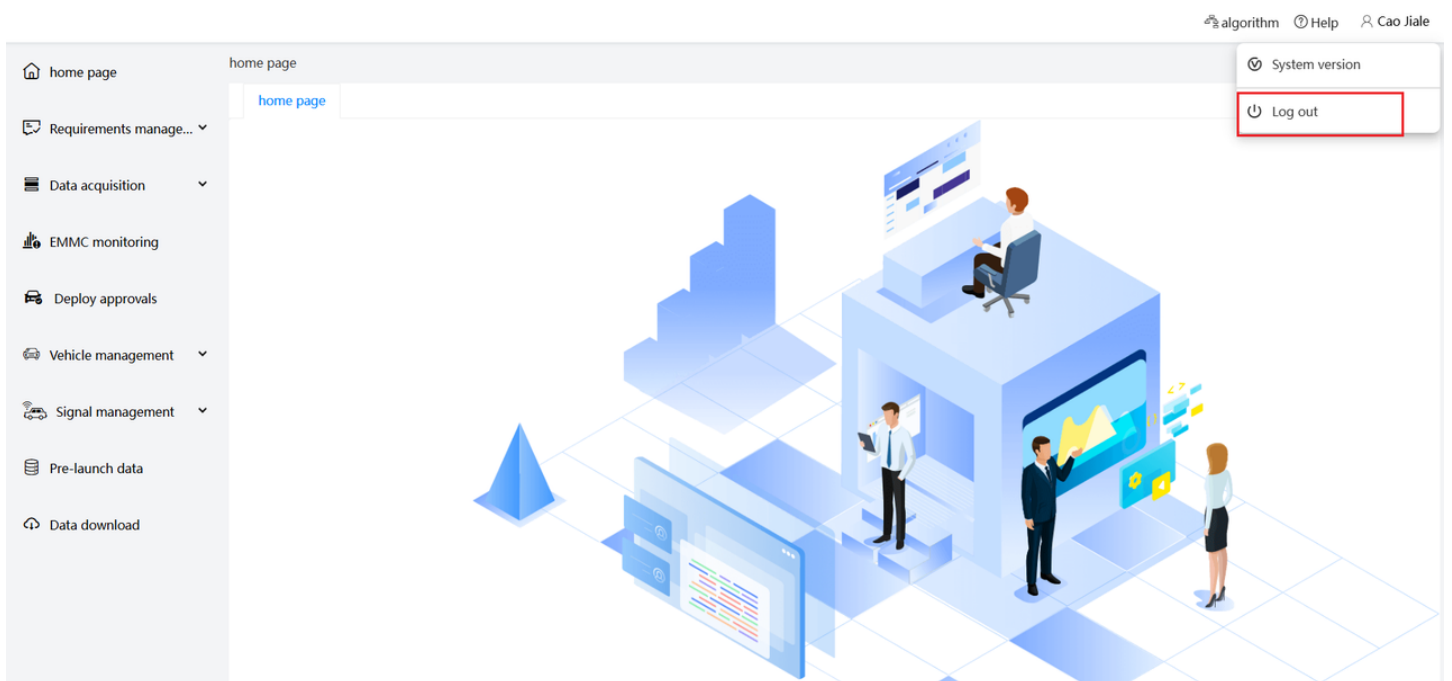
3.2 Pagination Display

The pagination function displays data in pages. It shows the total number of data entries, the number of entries per page, as well as buttons for the first page, last page, previous page and next page.Clicking the corresponding page number will navigate to that page.You can also enter

the target page number in the input box and press the Enter key, or simply click the blank area of the page to jump to the specified page.

3.3 Query Data

Enter the Task Name, Creator and Creator ID in the search box. Select the Start Time and End Time, then click Query. There is no limit on the number of days for the query period. The list will display the corresponding data. If there is no relevant data, the list will be empty. Single-condition query is supported

3.4 Breadcrumb Path

You can return to the corresponding page via the breadcrumb path.

4. Demand Management

Since periodic collection and event-driven collection will have a certain impact on resource costs and vehicle-end performance after delivery, it is necessary to submit a demand application through the platform before creating such collections. The algorithm can only be delivered to the vehicle-end after the system approves the application.

4.1 Create New Demand

Click the New button to create a new demand. The list will refresh automatically after successful creation.

- Click the Save button to save the current demand without submitting it for approval. You can re-enter the page to modify and submit it for review later.

- Click the Submit for Review button to submit the demand for approval. After approval is granted, you can associate the demand.

- Click Cancel to exit the demand creation page without creating the current demand.

4.2 Management Page

Click on "Demand Management" in the menu bar to enter the demand management page. Here, users can view the demands submitted under their own accounts.

- The list displays the business demand name, submission time, submitter, department, section, approval status, approval time and operation options.

- Click the "New" button to create a new demand.

- Enter keywords of the business demand name in the search box to perform grouped fuzzy search.

- Click Edit in the operation options when the demand is in the *Unsubmitted* status to modify the demand.

5. Event Collection

Event collection refers to creating event-based algorithms based on business requirements and distributing them to the vehicle side. The vehicle side runs the algorithms continuously to monitor event triggers. When the vehicle-side data meets the preset event logic, the data will be uploaded according to the algorithm configuration.

Note: The event collection function requires creating event-based algorithms on the Algorithm Platform.

1. Click the list name to navigate to the event collection details page.

2. Click the list deployment status to navigate to the secondary interface for batch start/stop operations.

3. Click "Create Collection" to enter the event collection creation page.

4. Click the "Refresh" button to refresh the list.

5. Enter the task name and time to filter event collection tasks.

6. For deployed event collections, the operation options include "Edit" and "Copy".

7. "Unsubmitted": "Edit" and "Copy" are clickable; "Start", "Stop", "Urge Approval", "Withdraw" and "View Status" are grayed out and unavailable.

8. "Pending Approval": "Edit" is clickable; "Start" and "Stop" are grayed out and unavailable.

9. "Under GWM Approval": "Edit" and "Start" are grayed out and unavailable; "Copy", "Urge Approval", "Withdraw" and "View Status" are clickable.

10. "Rejected by GWM": "Edit", "Start", "Urge Approval" and "Withdraw" are grayed out and unavailable; "Copy" and "View Status" are clickable.

11. "Deployed":

    a. If all vehicles run successfully: "Edit", "Copy", "Start", "Stop" and "View Status" are clickable; "Urge Approval" and "Withdraw" are grayed out and unavailable.

    b. If any vehicle fails to run on the vehicle side: "Copy", "Start", "Stop" and "View Status" are clickable; "Edit", "Urge Approval" and "Withdraw" are grayed out and unavailable.

5.1 Create Collection

Click "New" in the upper right corner, select Vehicle Collection or Vehicle Model Collection to enter the collection creation page as shown below:
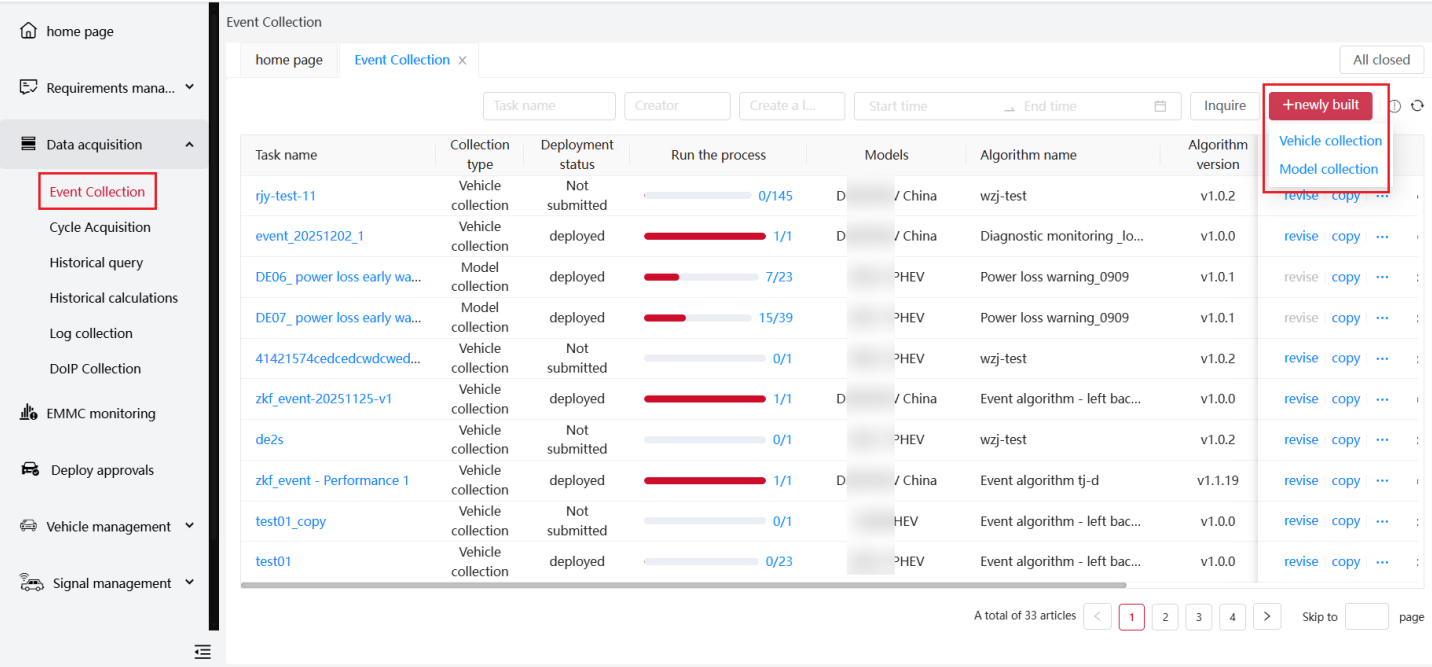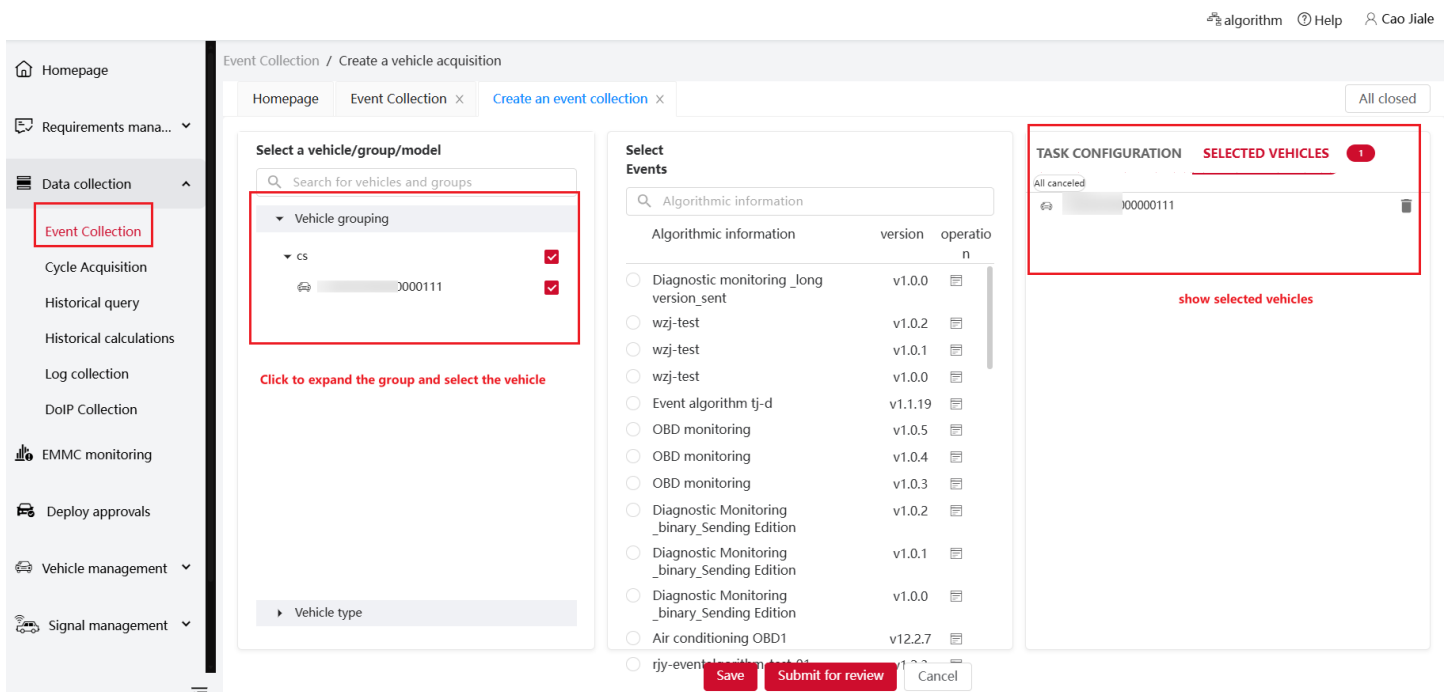

5.1.1 Create Vehicle Collection

Click "Vehicle Collection" to enter the Vehicle Collection creation page.
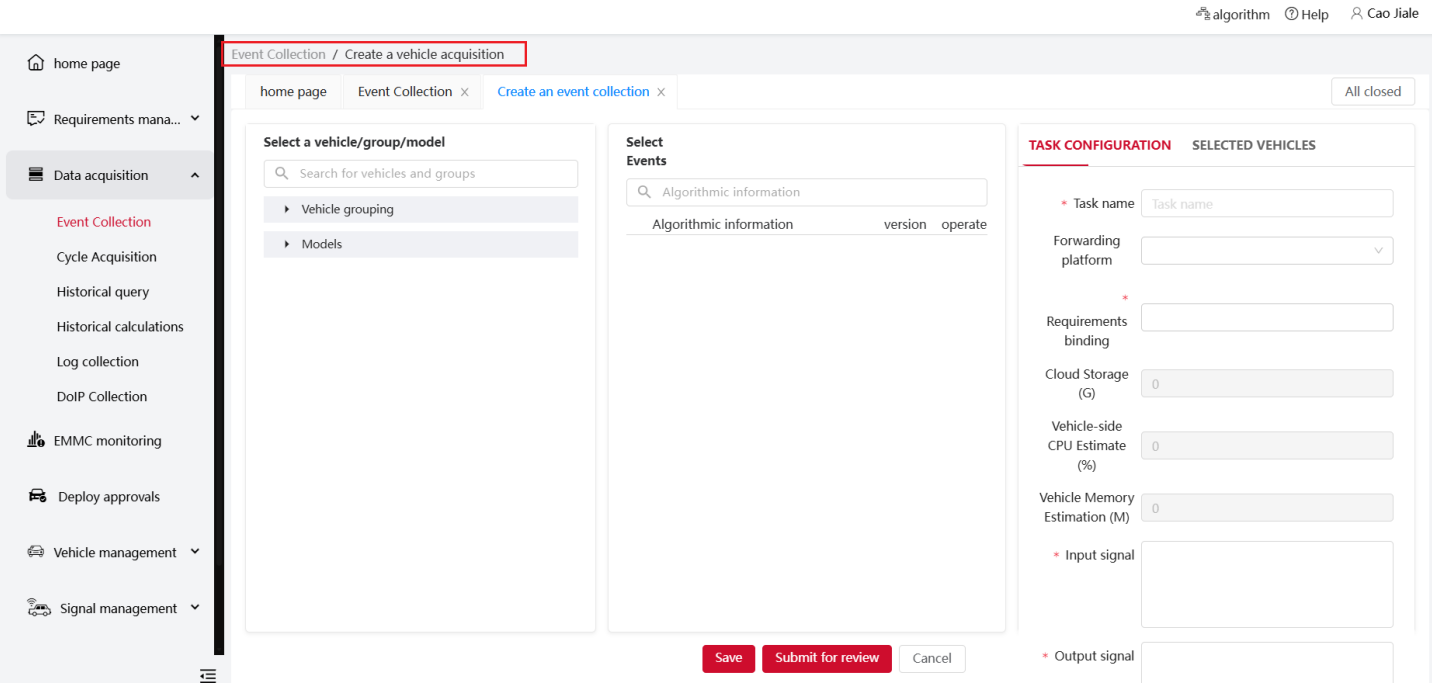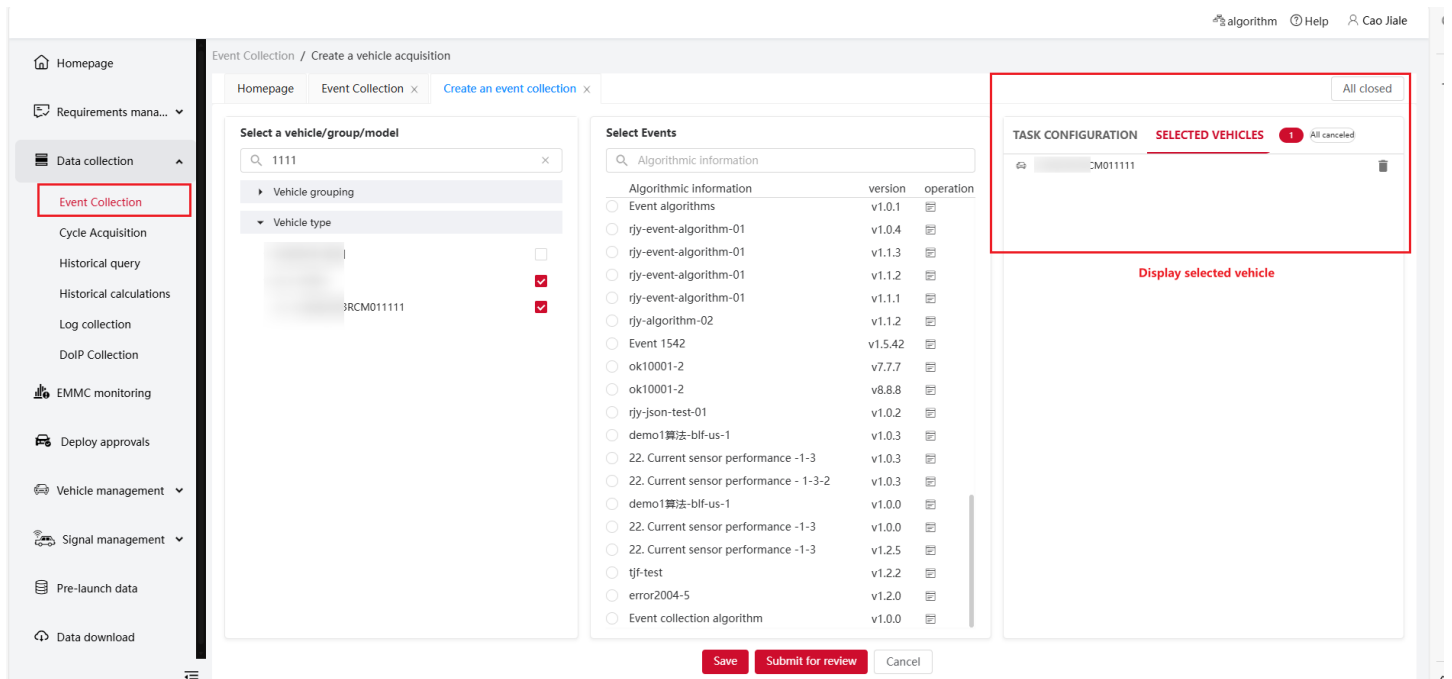

5.1.1.1 Configure Vehicle Selection

- Directly click the Group Name under the vehicle group to expand the vehicles in this group. Tick the Checkbox to select the vehicles for which data collection is to be created.

- Click the "Select Vehicles and Groups" search box, enter the VIN or group name, and the relevant vehicles/groups will be displayed in the list below. Fuzzy search is supported.
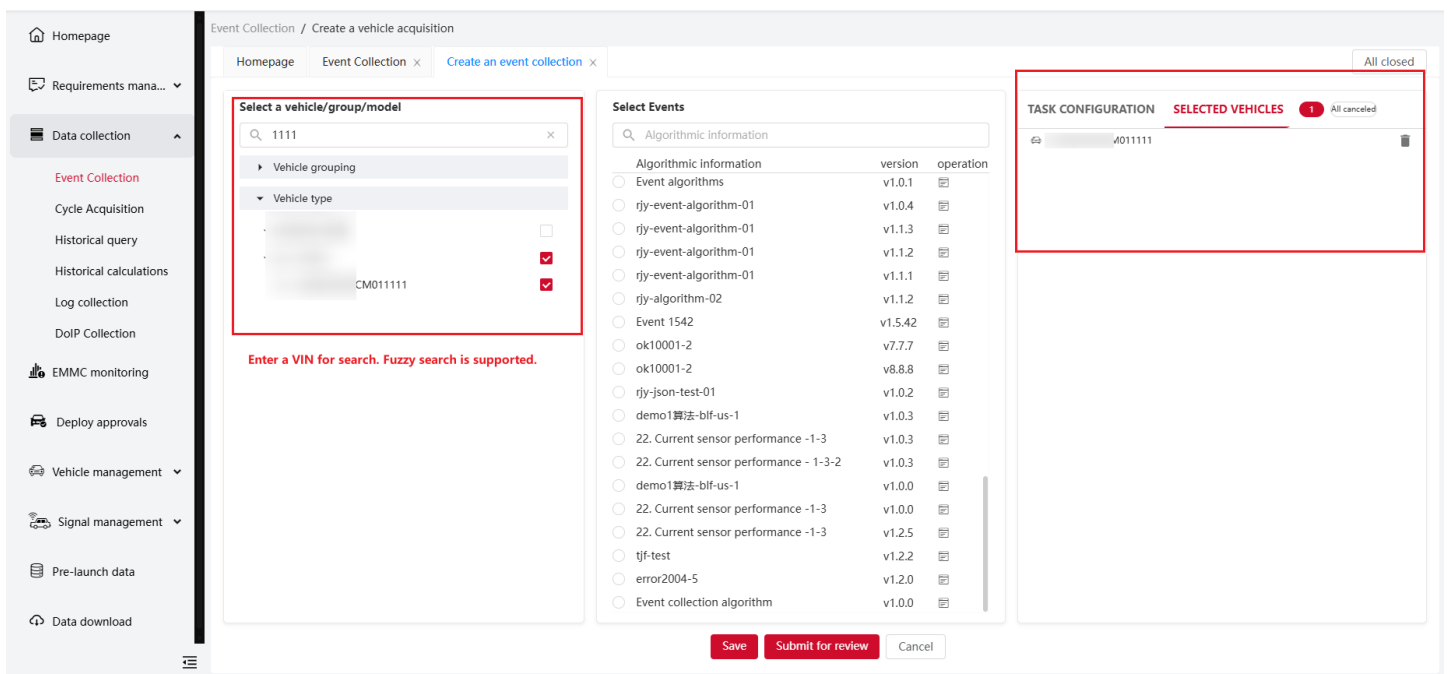
- Click the checkbox next to the vehicle VIN or vehicle group name to select the target vehicle(s). The selected vehicles will be displayed in the "Selected Vehicles" section.

Click "Vehicle Model" to expand the vehicle model and series group (collapsed by default). You can select all vehicles under a specific model by checking the box next to it.
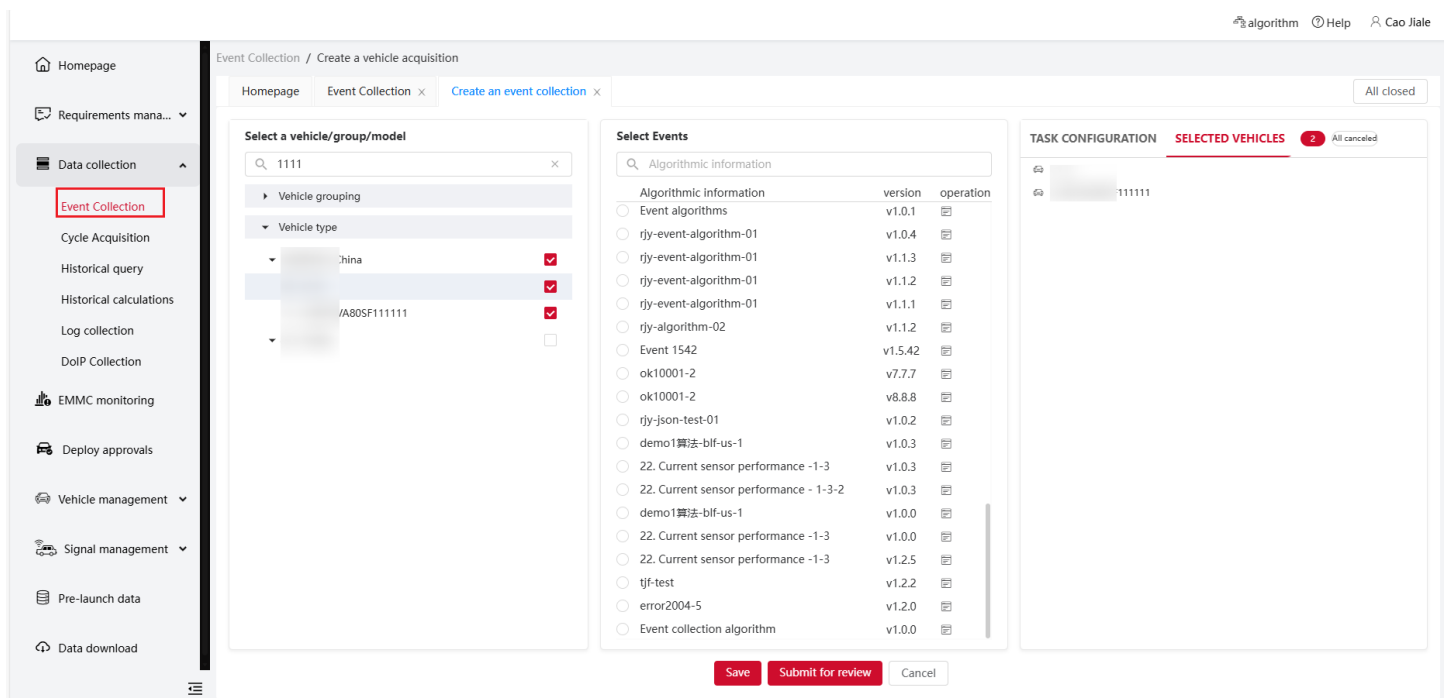
5.1.1.2 Configure Event Selection

All created event algorithms are displayed in the event selection box, which can be viewed by scrolling down the scrollbar.

- Click the check box of an event algorithm to select a specific event; click the "View Description" icon next to the event algorithm to check the description and version number of the event algorithm.
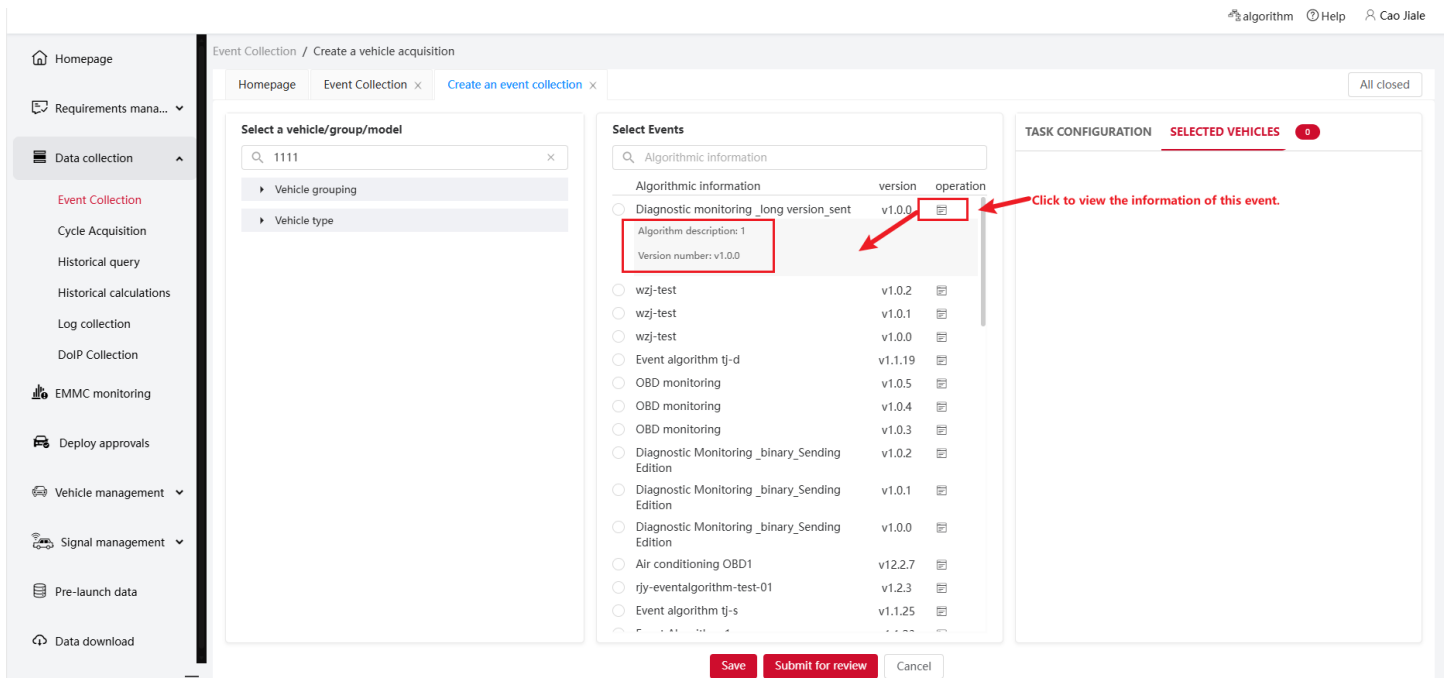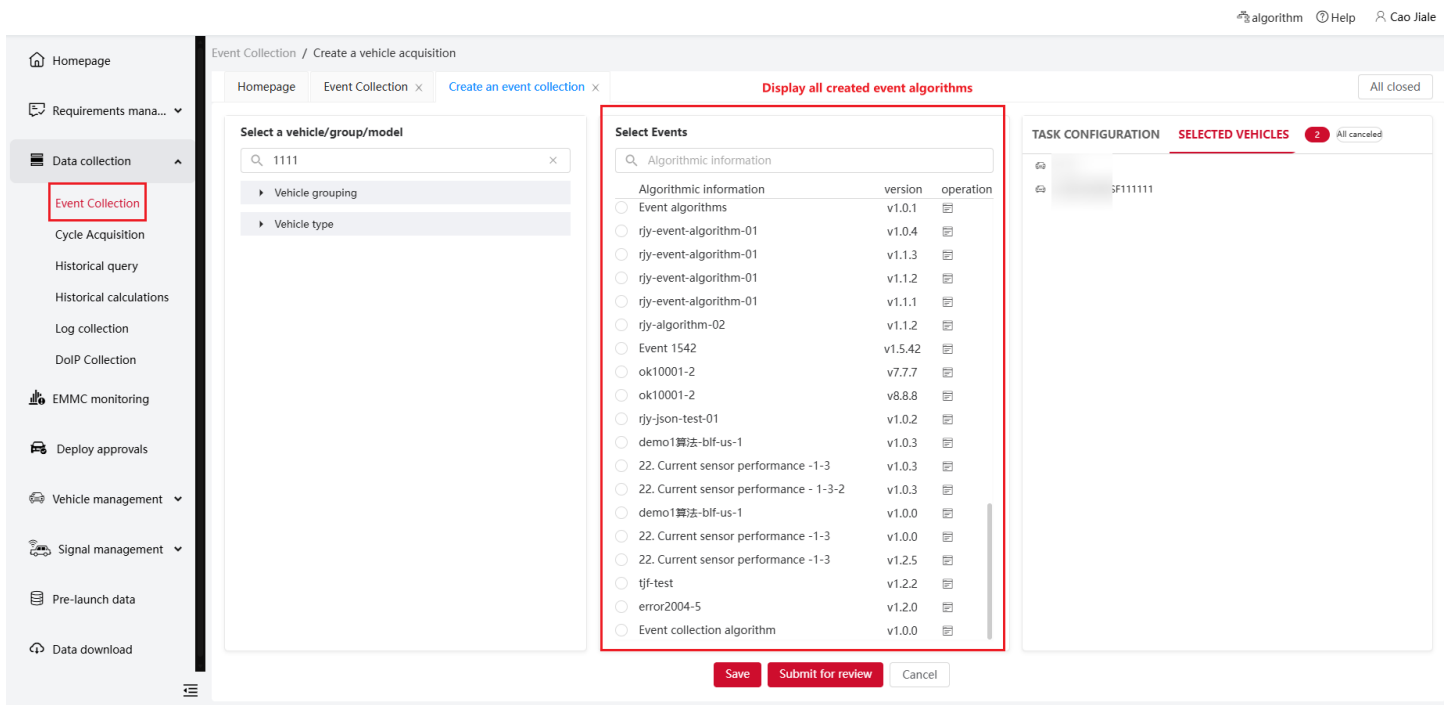
5.1.1.3 Task Configuration

- Click the Name Input Box and enter a name. It supports Chinese characters, numbers, letters, commas and underscores. The name of a collection task must be unique.

- Click the Requirement Binding input box. Requirement binding is associated with vehicles. You need to select a vehicle first, obtain the requirement list of this vehicle, and then select a requirement.

- Click the Forwarding Platform selection box to select forwarding platforms. Multiple selections are supported and this is a non-mandatory field.
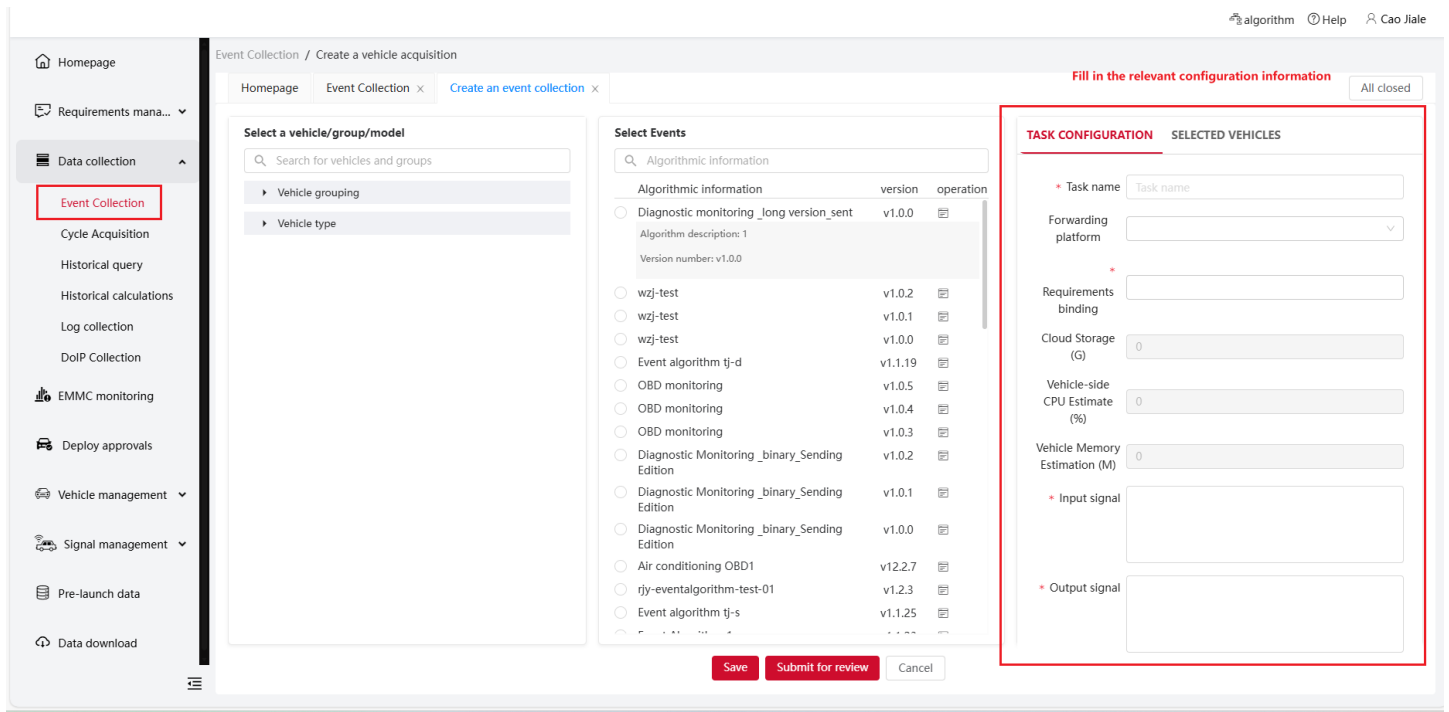
- After selecting vehicles and events, the storage space, on-vehicle CPU, and on-vehicle memory will be calculated and displayed.

- When an event algorithm is selected, the Signal display box will show the signals required to trigger the event algorithm and the resources estimated based on the event algorithm.

- In the "Selected Vehicles" list, the number of selected vehicles and the "Deselect All" function button are displayed on the right side.

- Hover the mouse over an entry in the "Selected Vehicles" list, and a "Delete" button will appear. Click it to remove the selected vehicle, and the corresponding checkbox on the left will be unchecked synchronously. Click "Deselect All" to cancel the selection of all vehicles.

- After completing the configuration, click the Save button. The newly created task will appear in the periodic collection list, and you can check its deployment status.

- Click the Submit for Review button. The newly created task will appear in the periodic collection management list, where you can check its deployment status and submit it to the platform for review.

- Click Cancel to exit the collection creation page without creating the current collection task.
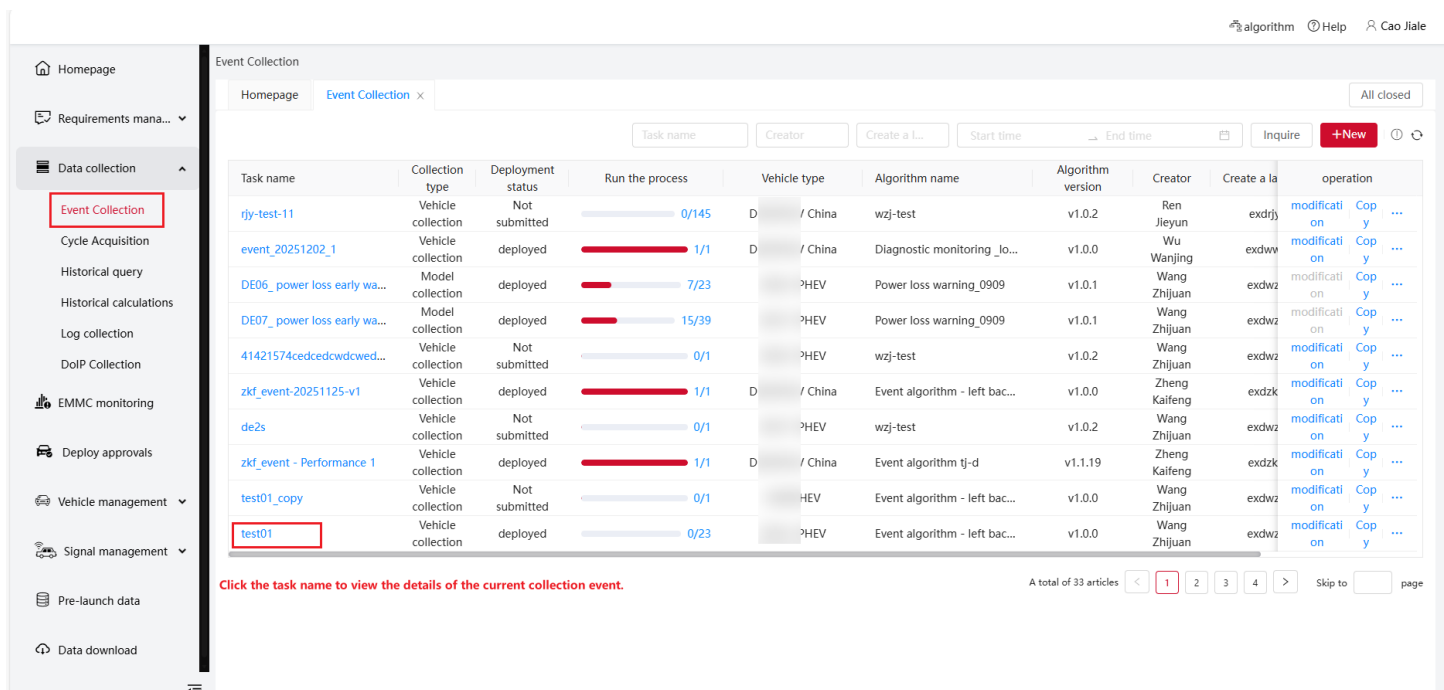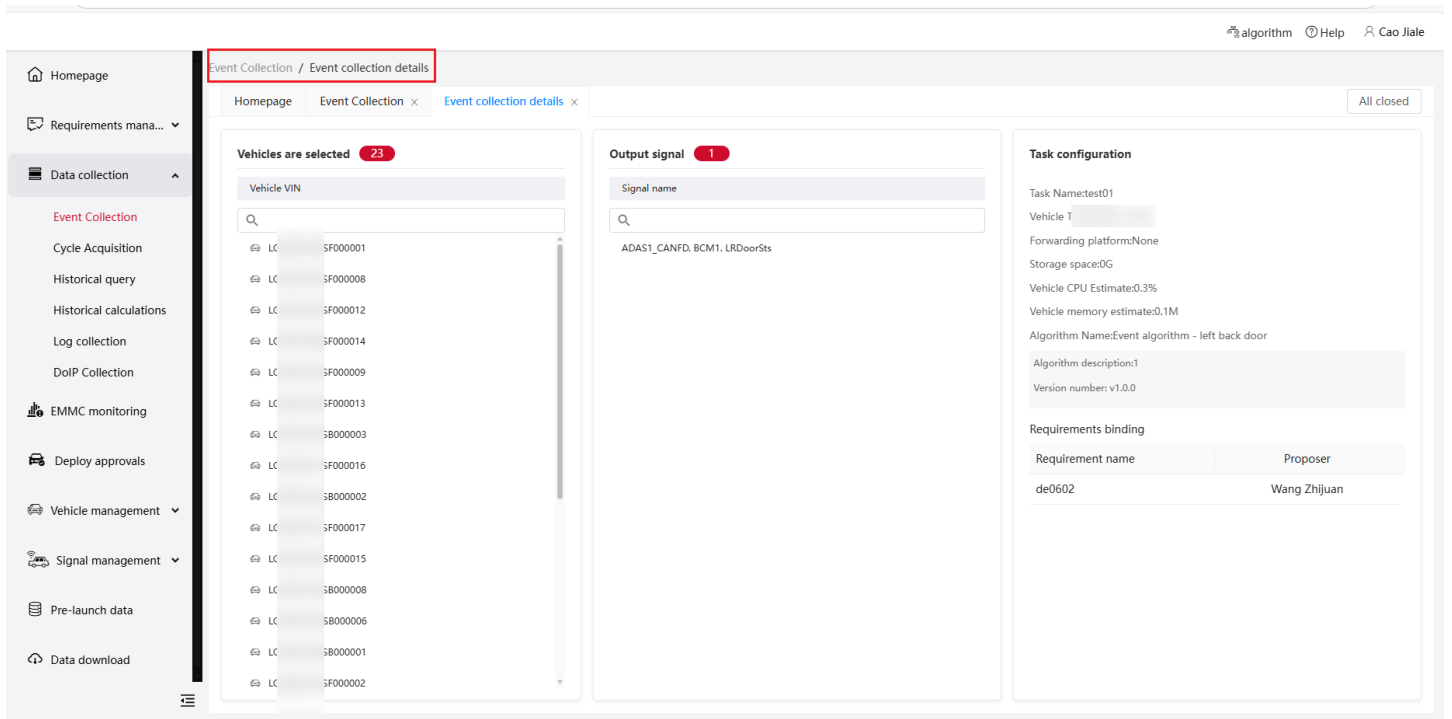

5.1.2 Create Vehicle Model Collection

Click "Vehicle Model Collection" to enter the vehicle model collection creation page.
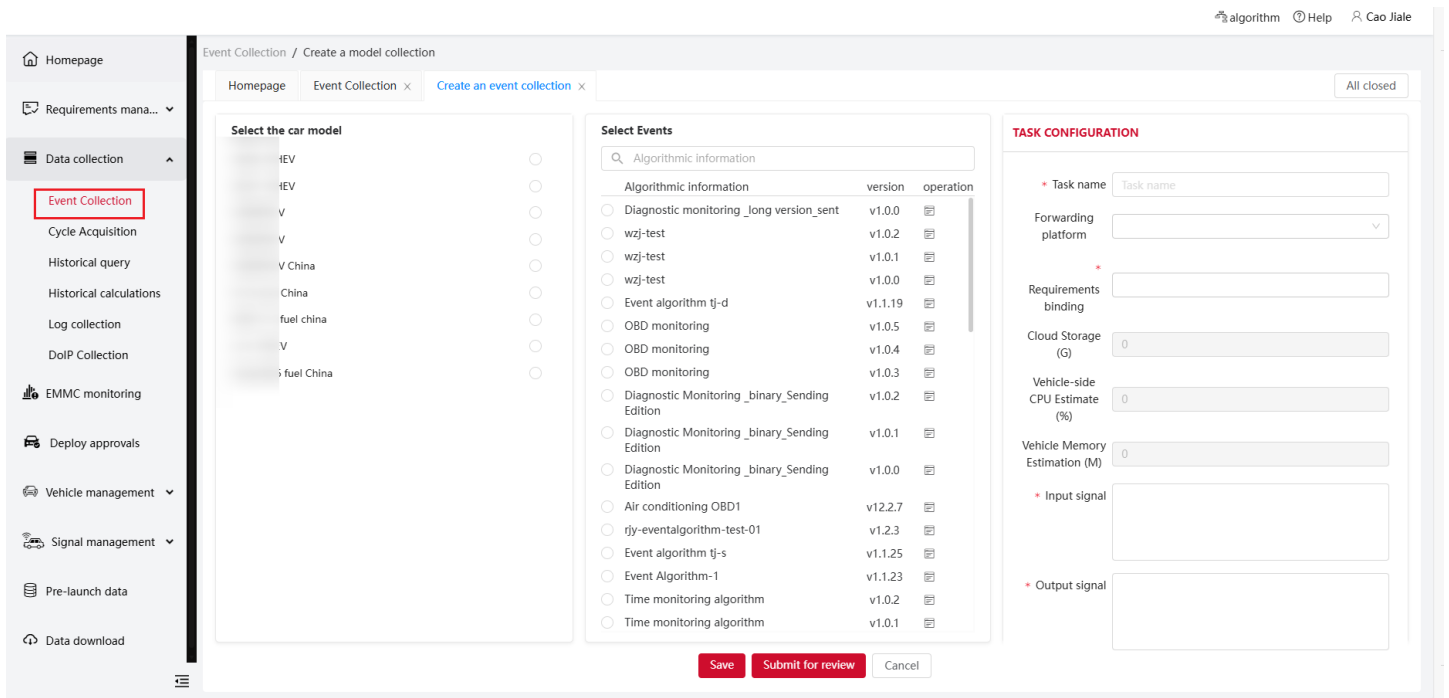
5.1.2.1 Configure Vehicle Selection

Select a vehicle model directly, and only single selection is allowed.

5.1.2.2 Configure Event Selection

All created event algorithms are displayed in the event selection box, which can be viewed by scrolling down the scrollbar.

- Click the check box of an event algorithm to select a specific event; click the "View Description" icon next to the event algorithm to check the description, creator and version number of the event algorithm.

5.1.2.3 Task Configuration

- Click the Name Input Box and enter a name. It supports Chinese characters, numbers, letters, commas and underscores. The name of a collection task must be unique.

- Click the Requirement Binding input box. Requirement binding is associated with vehicle models. You need to select a vehicle model first, obtain the requirement list for this vehicle model, and then select a requirement.

- Click the Forwarding Platform selection box to select forwarding platforms. Multiple selections are supported and this is a non-mandatory field.
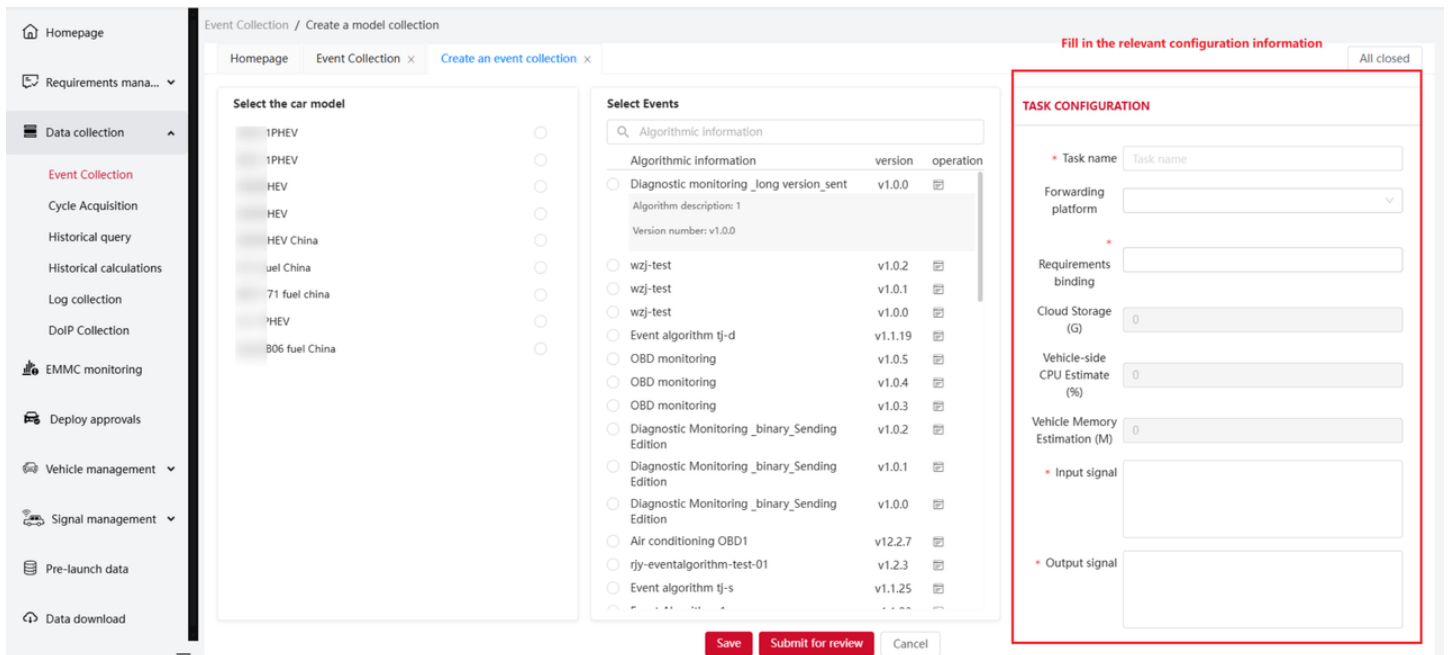
- After selecting vehicles and events, the storage space, on-vehicle CPU and on-vehicle memory will be calculated and displayed.

- When an event algorithm is selected, the signals required to trigger the event algorithm will be displayed in the **Signal** display box.
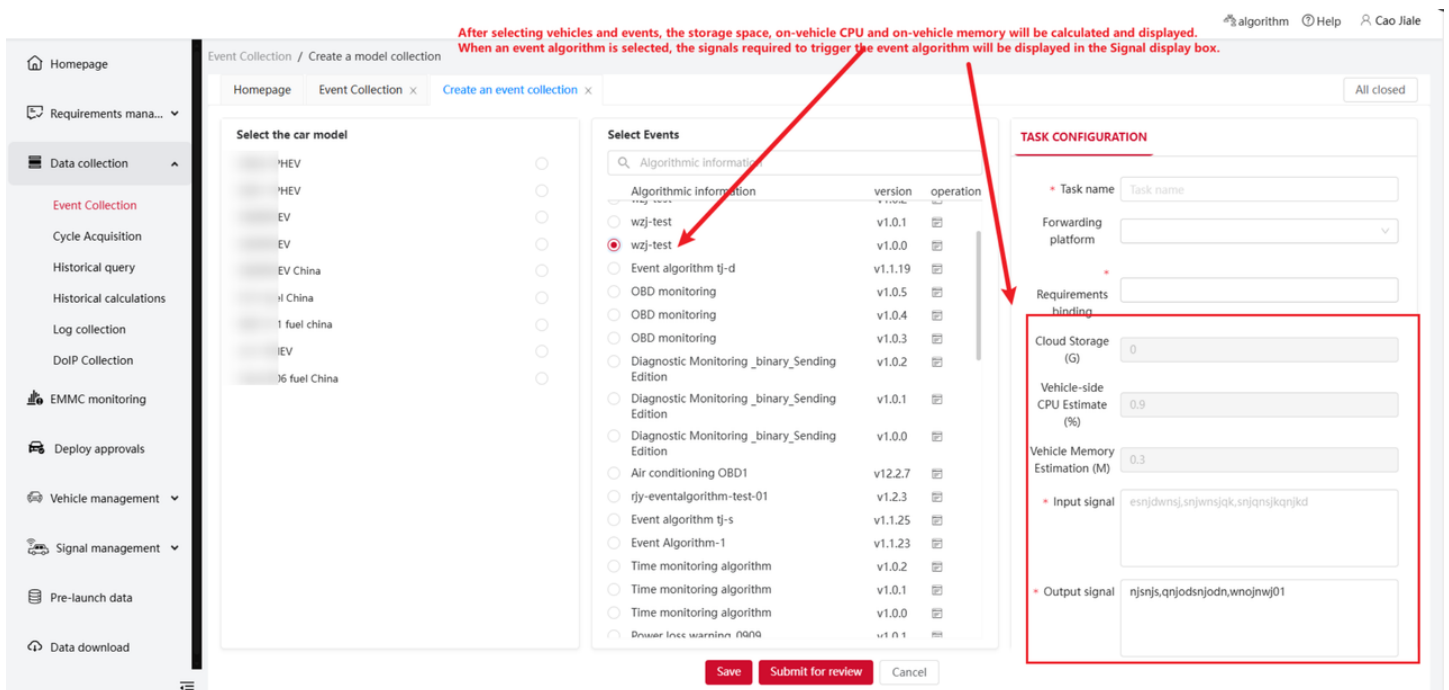
- After completing the configuration, click the Save button. The newly created task will appear in the periodic collection list, and you can check its deployment status.

- Click the Submit for Review button. The newly created task will appear in the periodic collection management list, where you can check its deployment status and submit it to the platform for review.

- Click Cancel to exit the collection creation page without creating the current collection task.
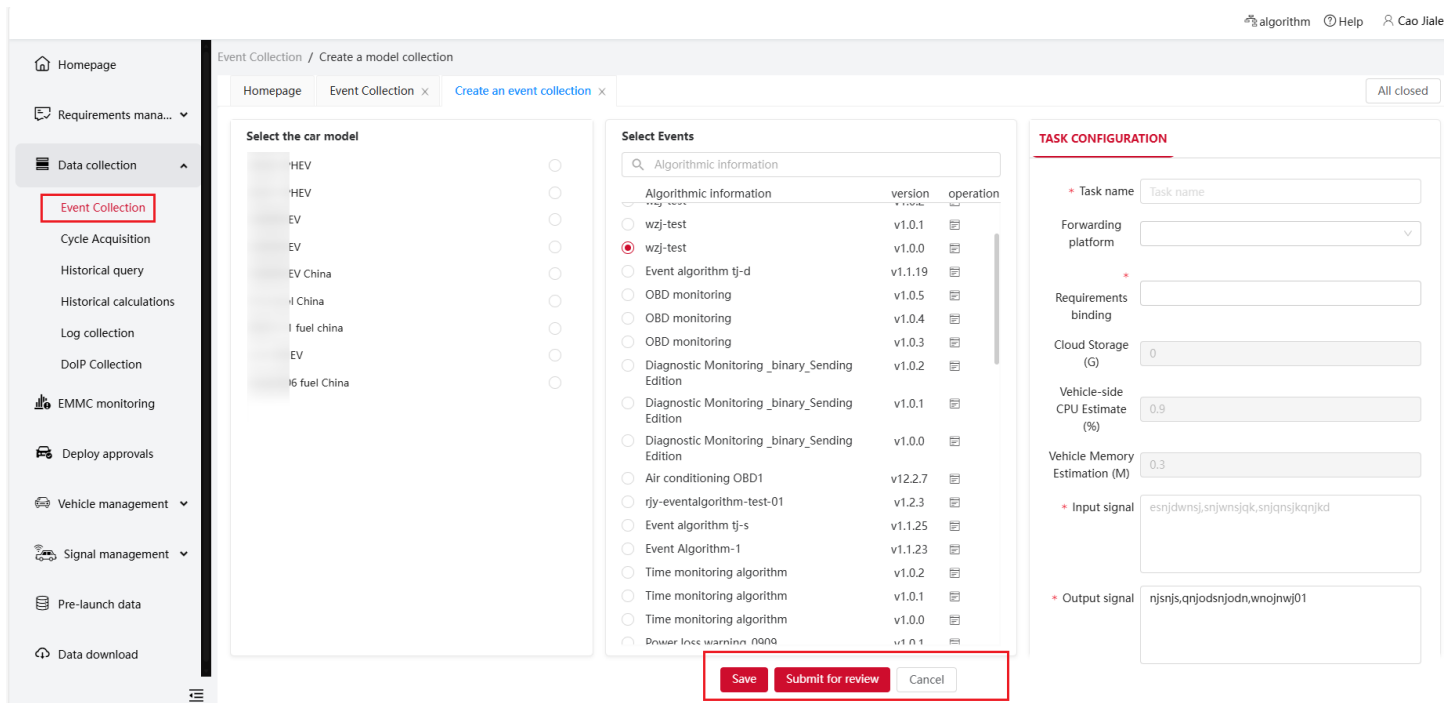
5.2. View Collection Task Details

Click the Task Name to view the details of the current event.

- Display the selected vehicles, signals and task configurations.

- The task configuration displays the task name of event collection, as well as the name, description and algorithm version number of the event algorithm.

5.3. Collection Copy

- Select a collection task and click Copy to enter the collection copy page.

- The vehicle model can be modified.

- The event algorithm can be modified.

- The task configuration can be modified.

- The task name must be modified to avoid duplication.

- Enter a new name and click Confirm. The newly copied collection task will appear in the list, and you can check its deployment status.
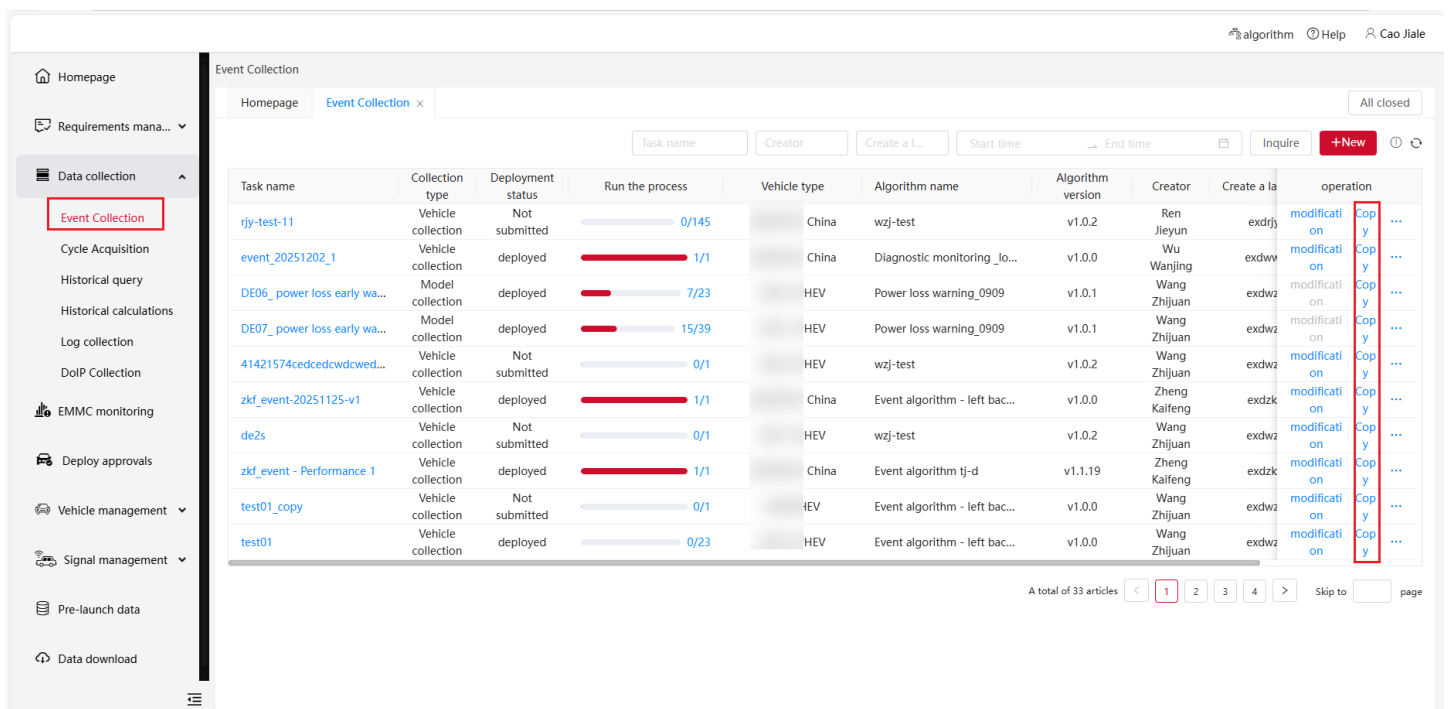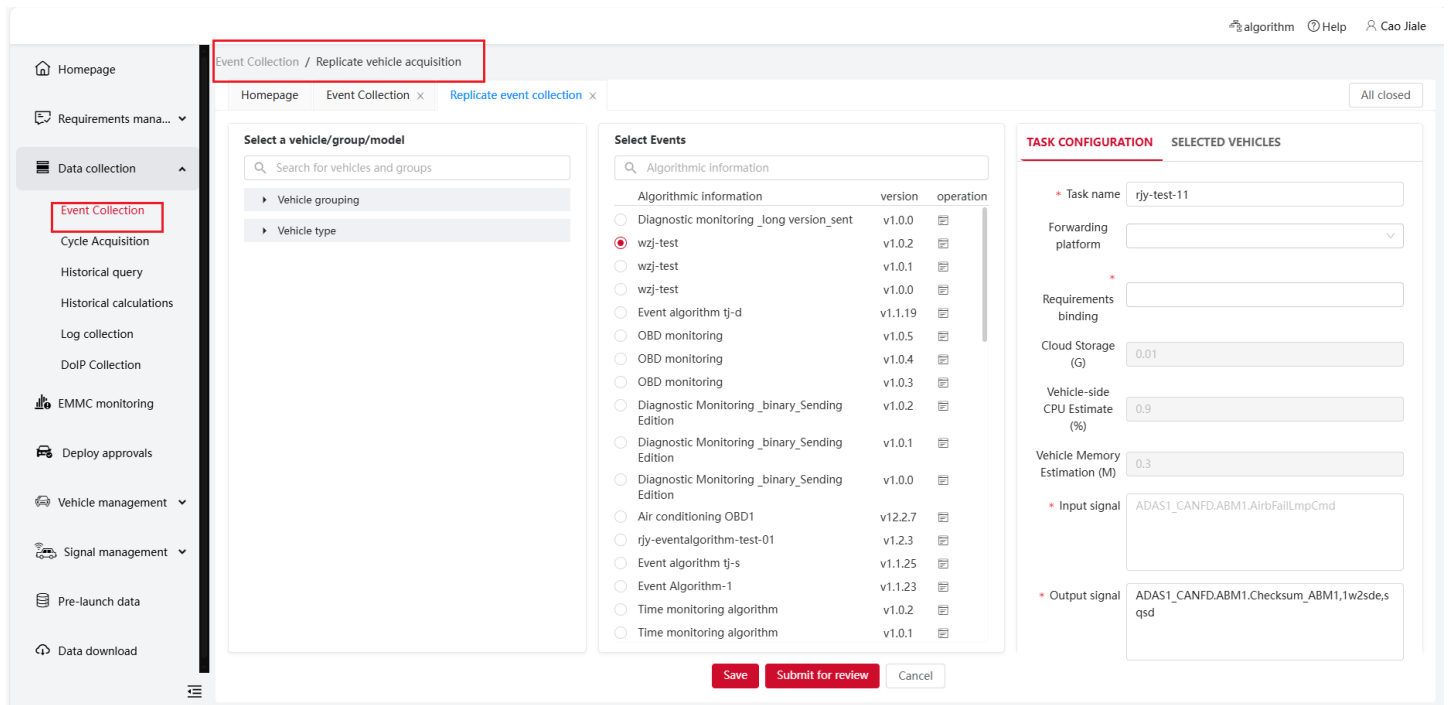
5.4. Collection Modification

- For vehicle collection tasks in the "Unsubmitted" or "Deployed" status, click Modify in the list to enter the collection modification page.

- For vehicle model collection tasks in the "Unsubmitted" status, click Modify in the list to enter the collection modification page. Tasks in the "Deployed" status cannot be modified.

- The vehicle model can be modified.

- The event algorithm can be modified.

- The task configuration can be modified.

- The task name cannot be modified.

Note: Vehicle model collection tasks in the deployed status cannot be modified.
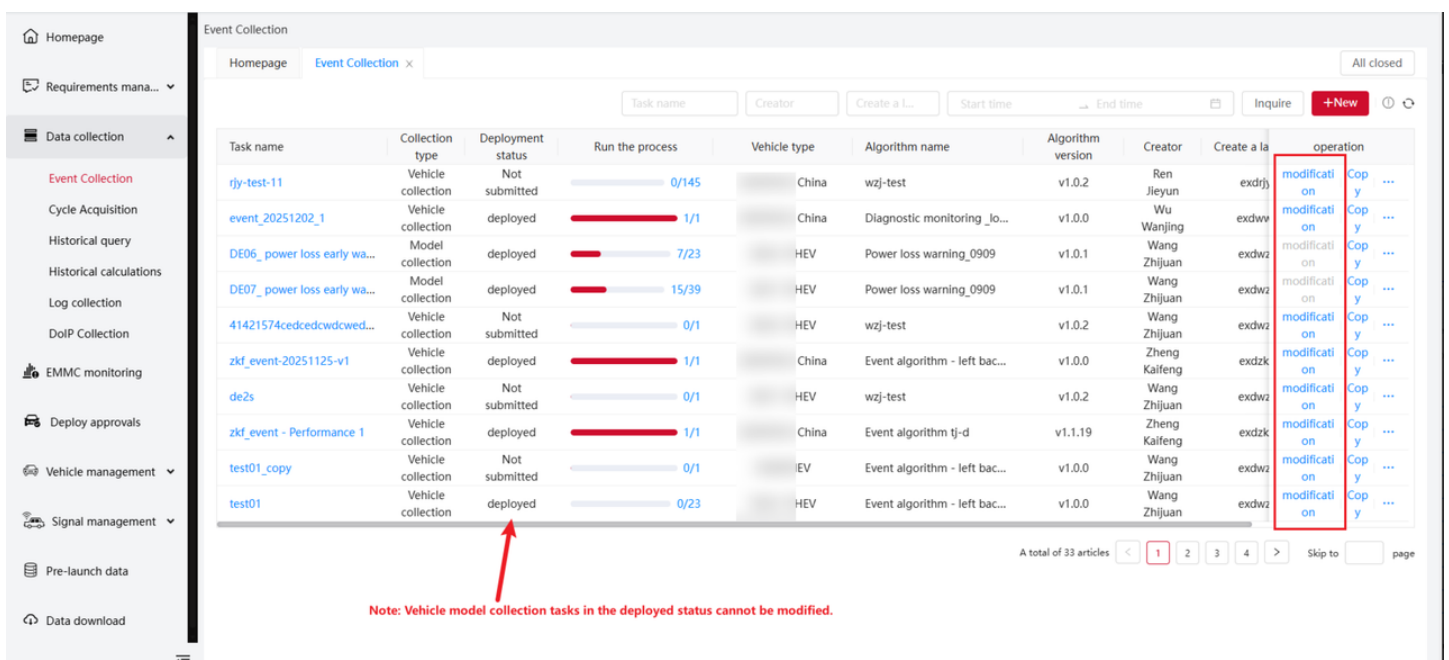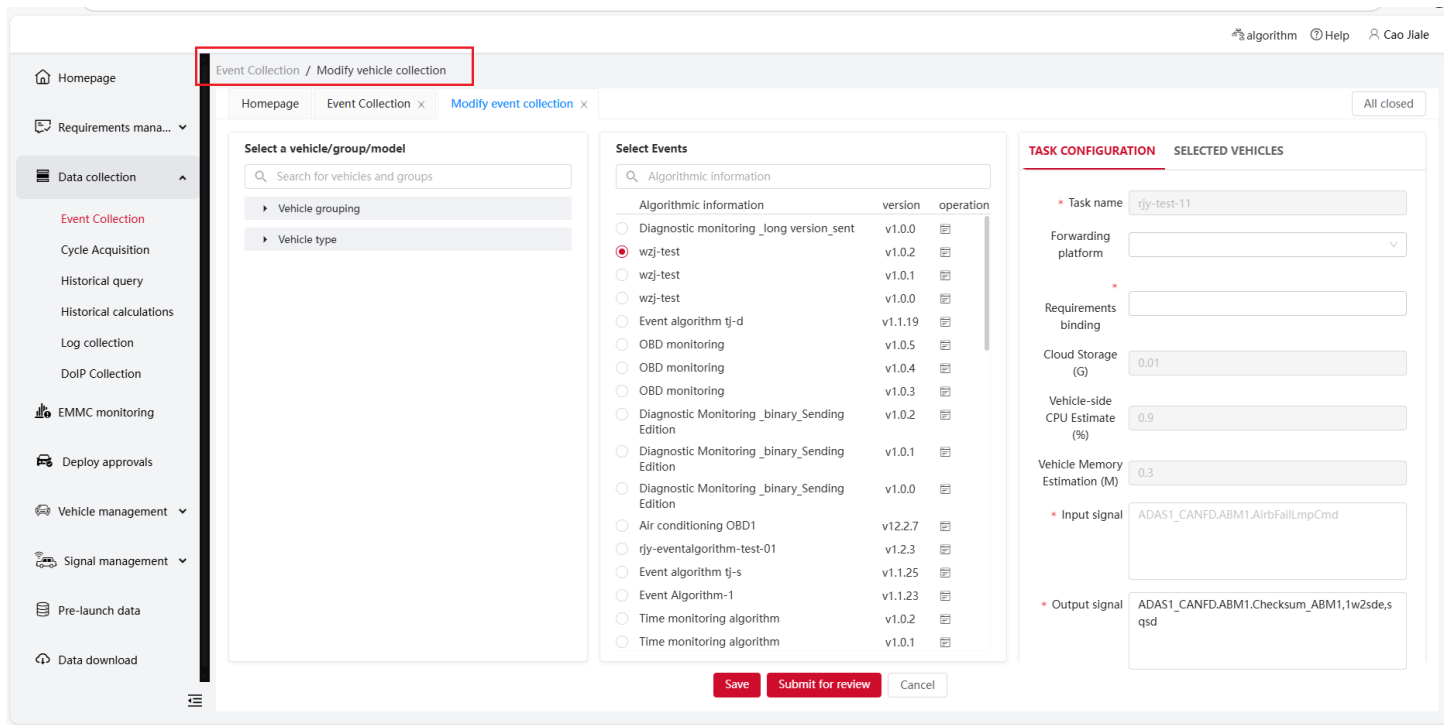
5.5 More Operations "..."

Click the "..." in the operation column to access more operations.

1. Run: Rerun the task on all vehicles and update the deployment status.

2. Stop: Stop the task on all vehicles and update the deployment status.

3. Urge Approval: Send a message via the interface to urge the approver to review the task.

4. Withdraw Application: Send a message via the interface to withdraw the approval application.

5. View Status: Pop up a dialog box to display the approval status.
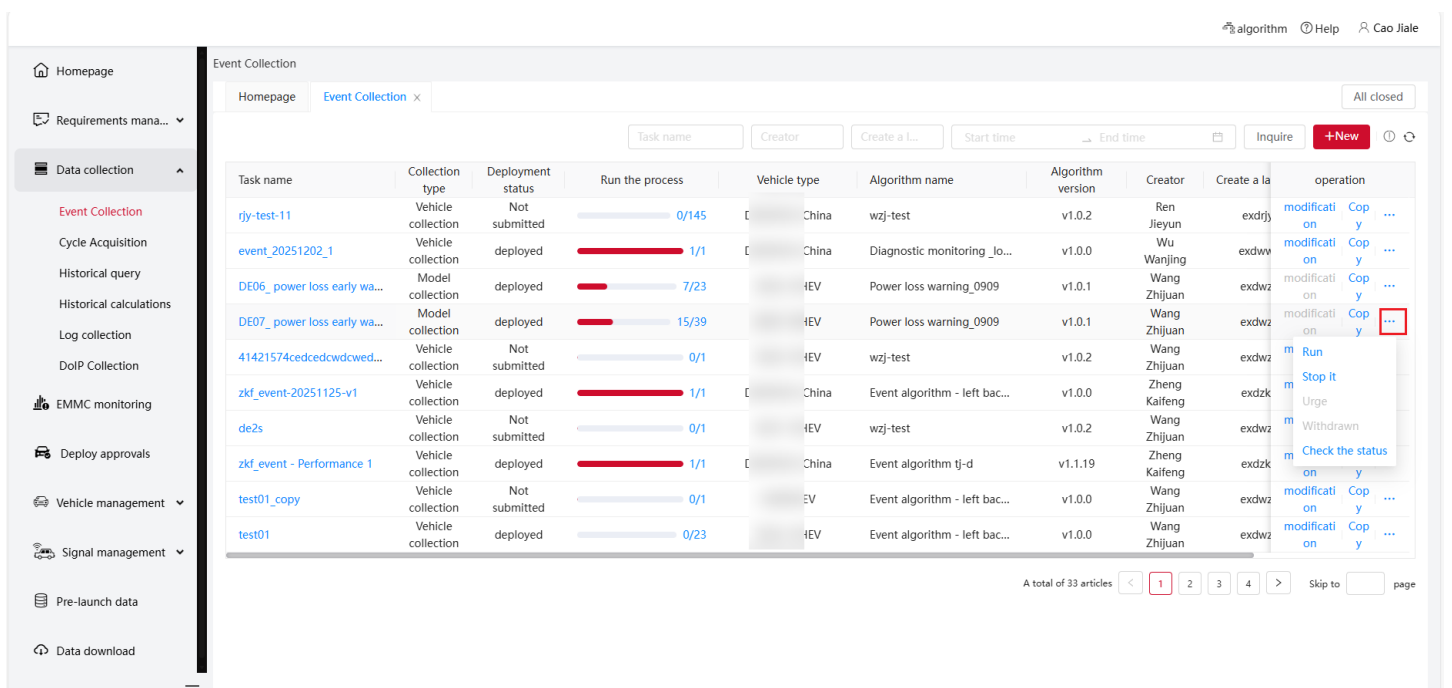
5.5.1 Button Status

- Unsubmitted: The functions of Urge Approval, Withdraw Application and View Status are unclickable.

- Under GWM Review: The functions of Urge Approval, Withdraw Application and View Status are clickable.

- GWM Approved: The function of View Status is clickable, while Urge Approval and Withdraw Application are unclickable.

- GWM Rejected: The function of View Status is clickable, while Urge Approval and Withdraw Application are unclickable.

- Under Review: The function of View Status is clickable, while Urge Approval and Withdraw Application are unclickable.

- Rejected: The function of View Status is clickable, while Urge Approval and Withdraw Application are unclickable.

- Deployed: The function of View Status is clickable, while Urge Approval and Withdraw Application are unclickable.

5.6 Event Collection Secondary Page

Click "Running Process" in the collection task list to enter the event collection secondary page. You can view the deployment status of each vehicle under the task and the executable operations (operations are displayed in blue when executable, and grayed out when not executable), as shown in the figure below:

5.6.1 Batch Operations

- Check the vehicles to perform Batch Run or Batch Stop on the selected vehicles, and the deployment status will be updated accordingly.

- A prompt "This operation is irreversible, please proceed with caution" will appear. Click Confirm to continue.
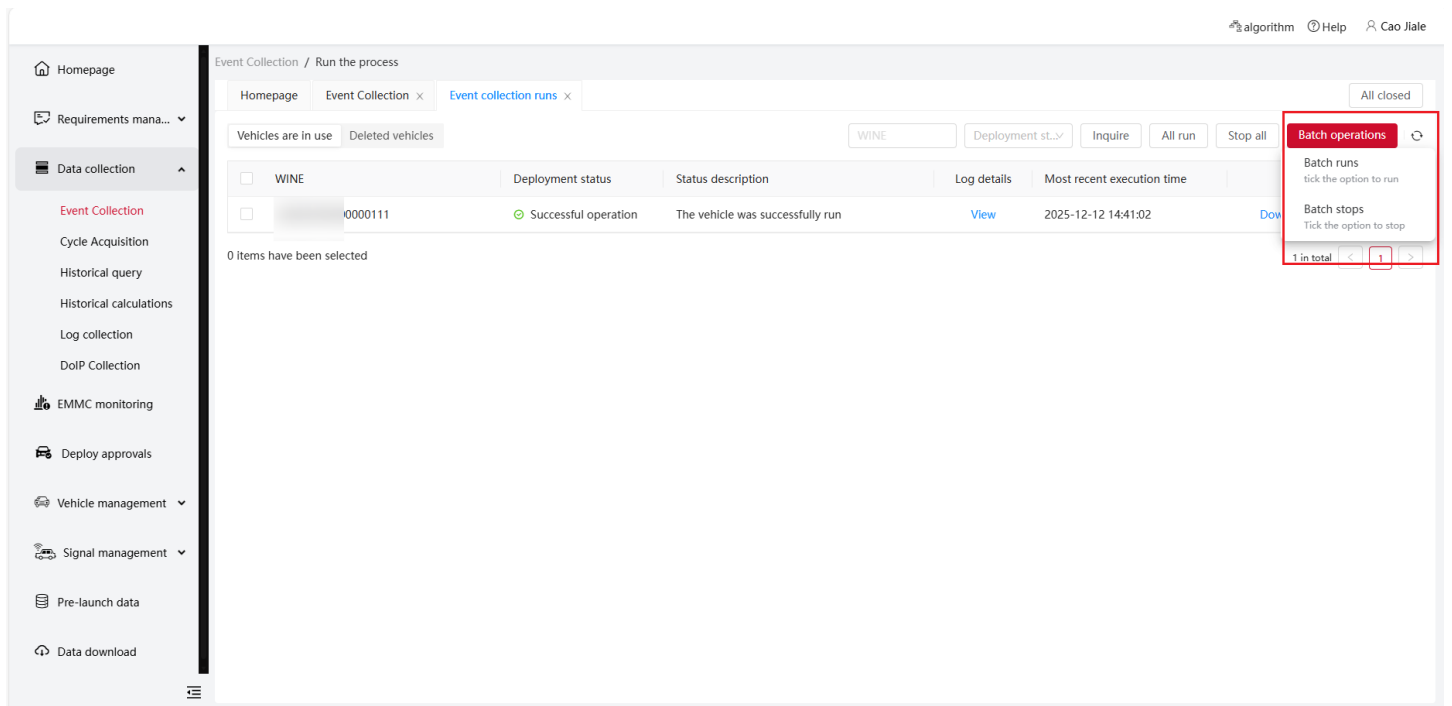
5.6.2 Run All

- Click Run All, a warning prompt will pop up. Click Confirm to proceed. It will retry all retryable vehicles in the list and update the deployment status, which is the same as data collection.

- When there are no runnable vehicles in the list, the prompt "No eligible vehicles" will appear.
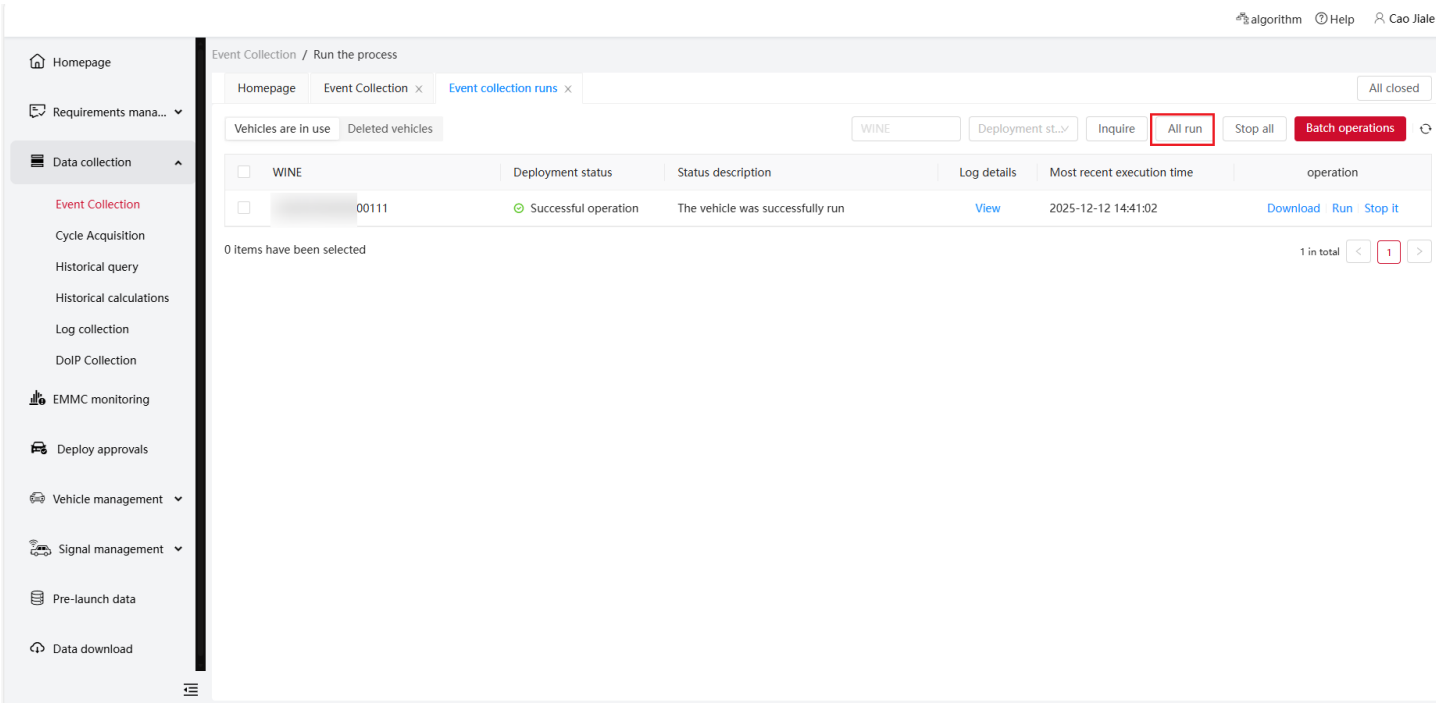
5.6.3 Stop All

- Click "Stop All" and a warning prompt will appear. Click "Confirm" to proceed. This will stop all stoppable vehicles in the list and update the deployment status, which is the same as the process for data collection.

- If there are no eligible vehicles when attempting to stop, the prompt "No eligible vehicles" will be displayed, which is consistent with the behavior of the "Start All" function.
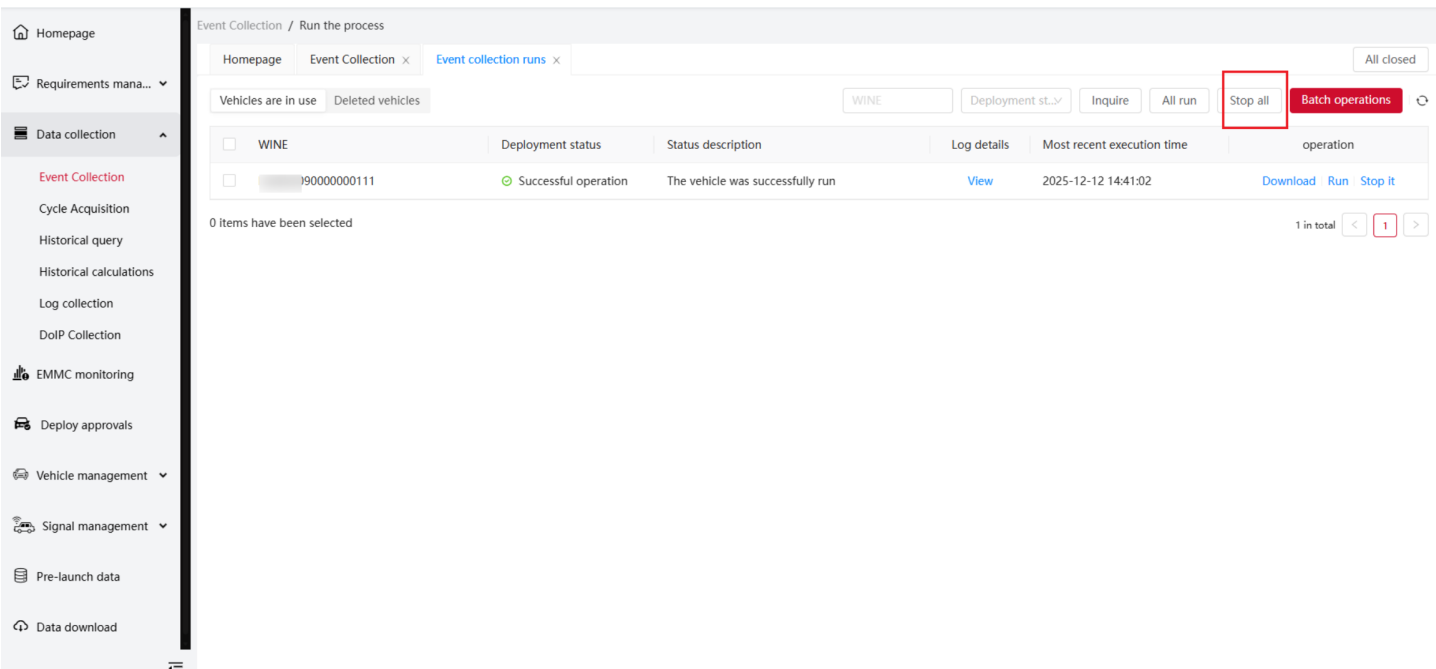
5.6.4 Operation - Run

When a vehicle is in a runnable state, click "Run" to retry the vehicle and update its deployment status.
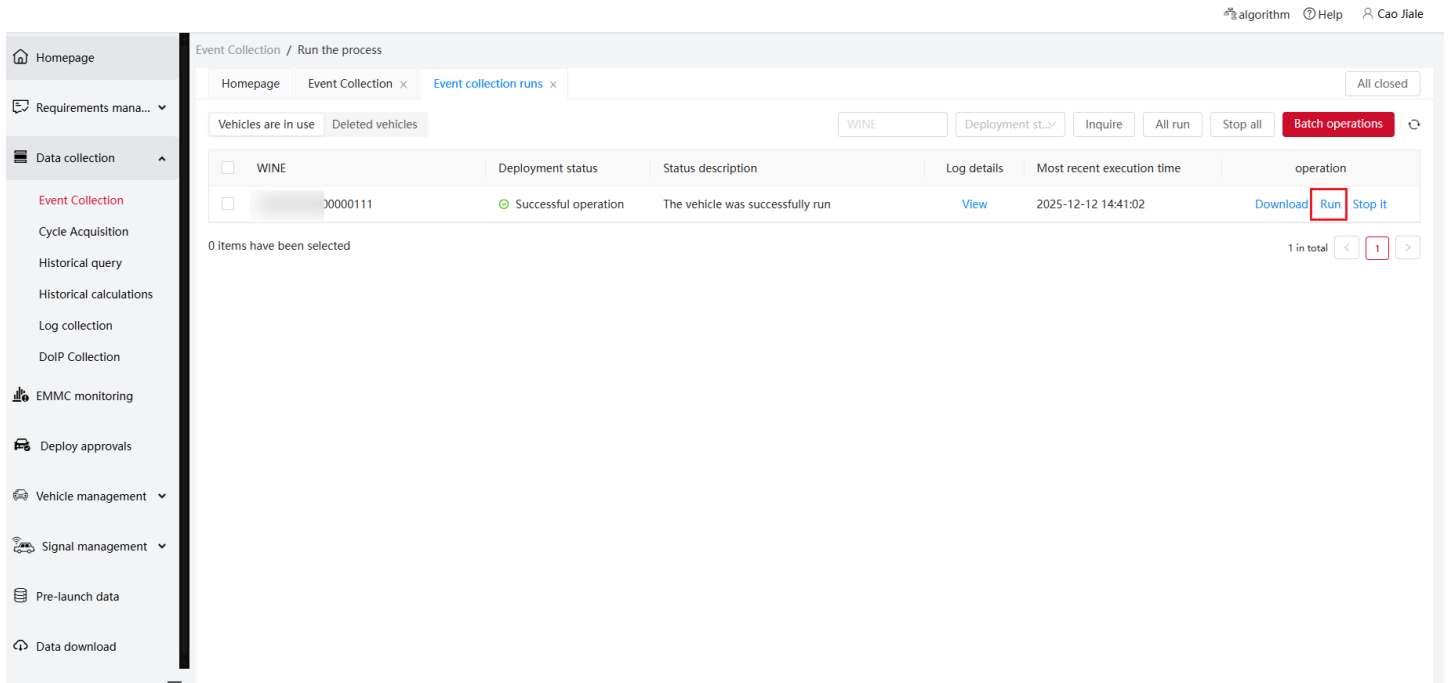
5.6.5 Operation - Stop

When the vehicle is in a stoppable state, click Stop to stop the vehicle and update its deployment status.
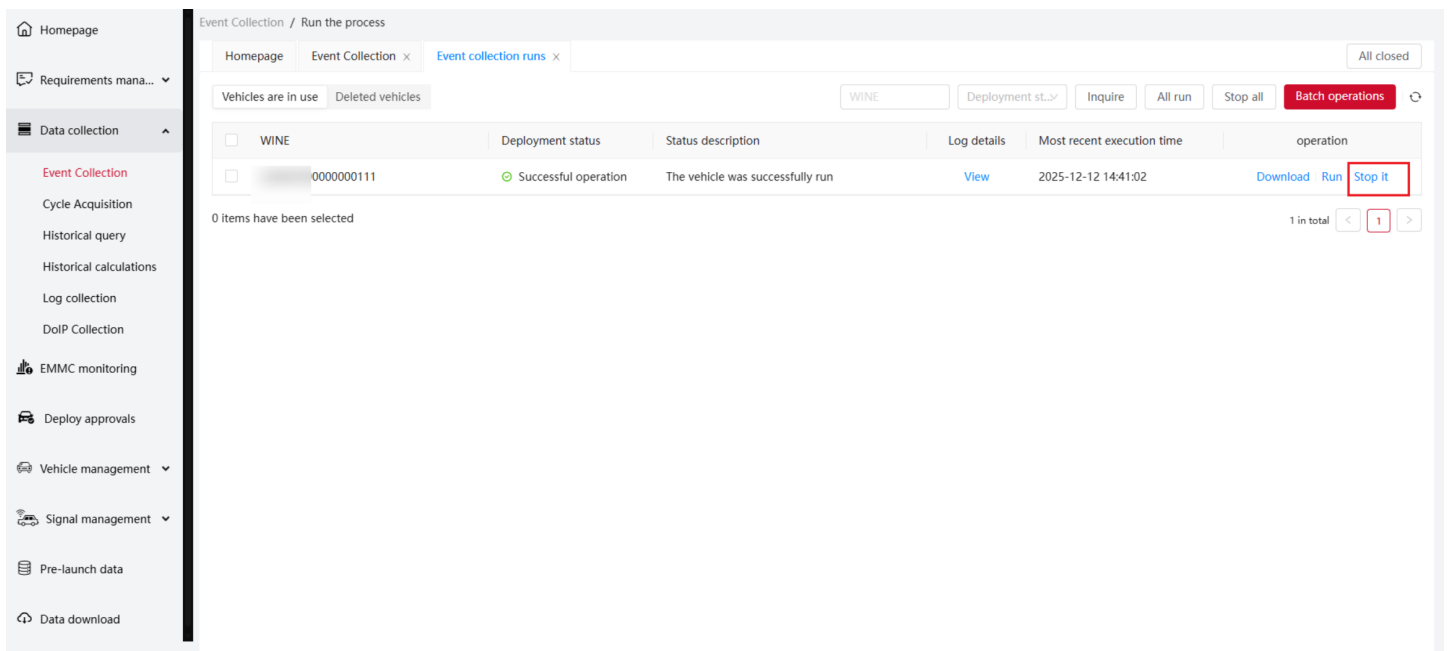
5.6.6 Operation - Download

In the event collection secondary page, select the data of the vehicle to be downloaded and click Download in the list operations to jump to and open the download page. This page includes a query and download function bar and a data list, as shown in the figure below.
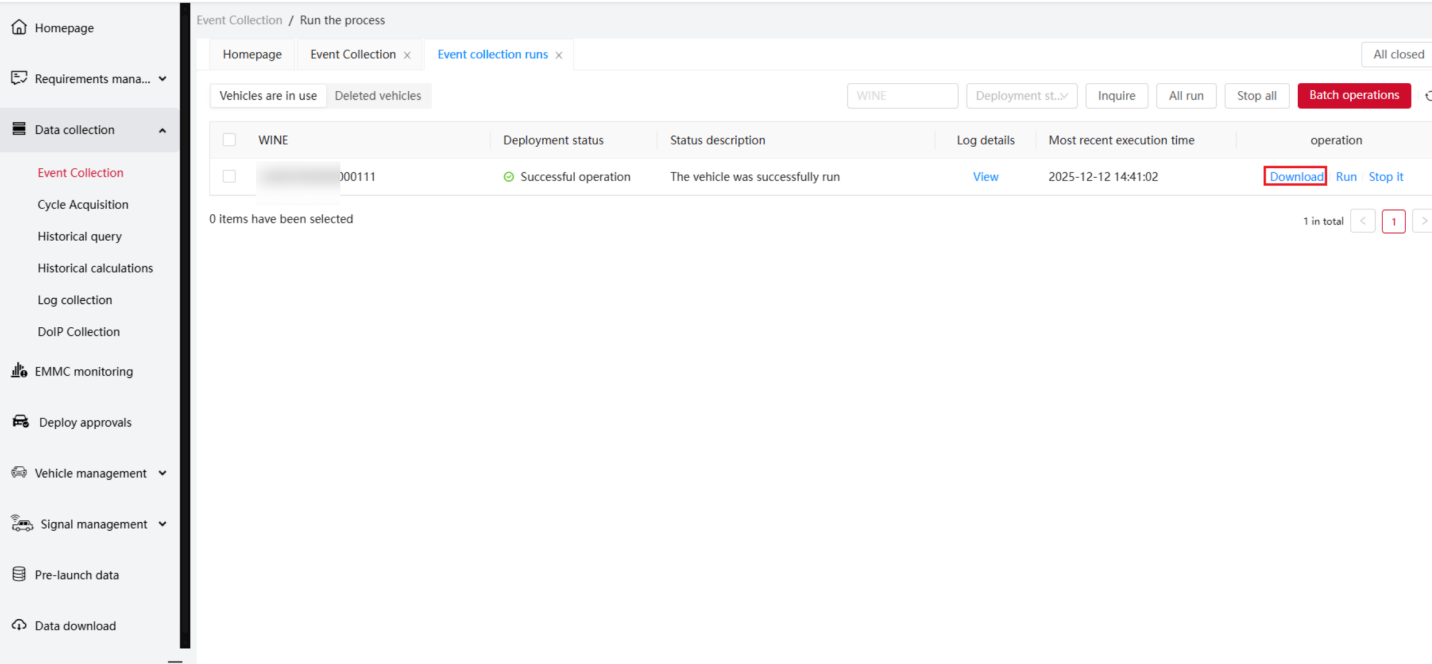
Jump to and open this page (the breadcrumb path displays Data Download):

- Time and VIN filtering are supported, and multiple VINs can be selected.

- Batch download of selected data is available, with the option to choose the corresponding download format.

- Operation: Download.

- Click Download in the operations to download the vehicle data.
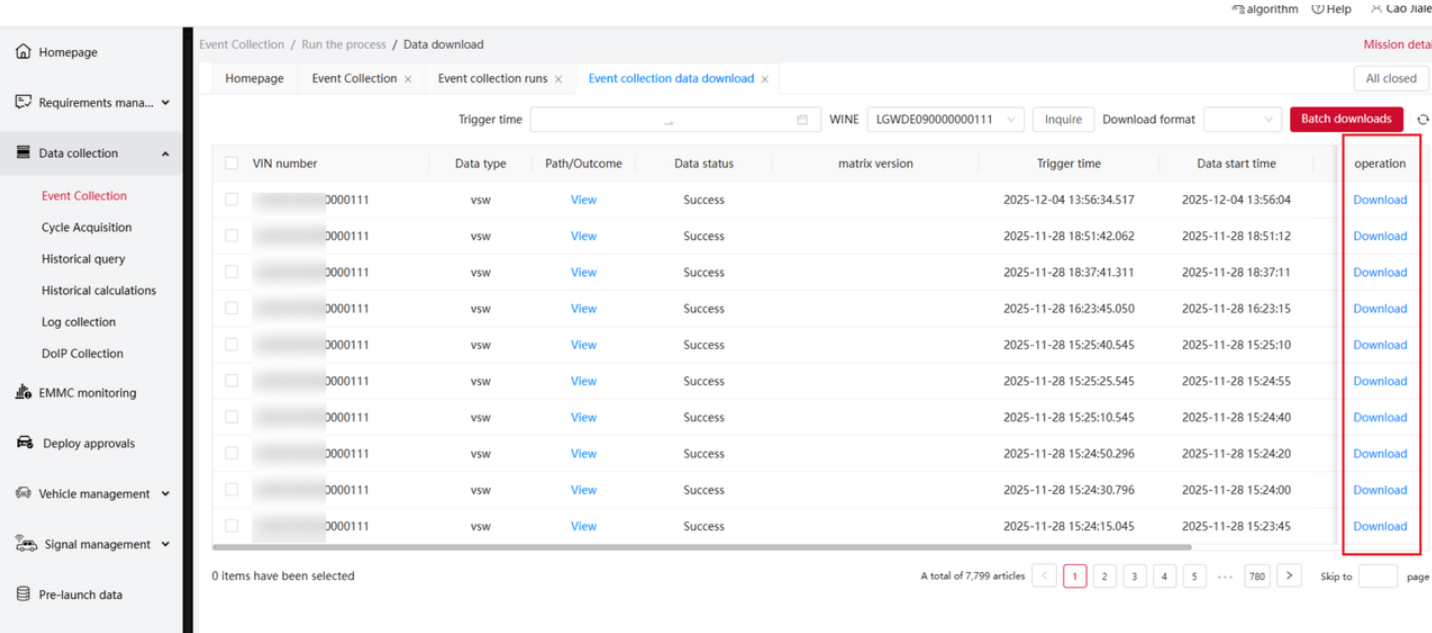
6. Periodic Collection

Periodic collection refers to data collection triggered by users at fixed time intervals. Users need to set in advance the signals, time intervals and other information for periodic collection, and issue the periodic collection rules to the vehicle end. Within the specified time period, data will be collected and uploaded to the cloud.

1. Clicking the list name allows you to jump to the periodic collection details page.

2. Clicking the deployment status in the list allows you to jump to the secondary interface for batch operations: Run/Stop.

3. Click Create Collection to enter the event collection creation page.

4. Click the Refresh button to refresh the list.

5. Enter the task name and time to filter periodic collection tasks.

6. For deployed periodic collection tasks, the column operations include Modify and Copy.

7. Unsubmitted: Modify and Copy are clickable; Run, Stop, Urge Approval, Withdraw Application and View Status are grayed out and unclickable.

8. Pending Approval: Modify is clickable; Run and Stop are grayed out and unclickable.

9. Under GWM Review: Modify and Run are grayed out and unclickable; Copy, Urge Approval, Withdraw Application and View Status are clickable.

10. GWM Rejected: Modify, Run, Urge Approval and Withdraw Application are grayed out and unclickable; Copy and View Status are clickable.

11. Deployed: Modify, Copy, Run, Stop and View Status are clickable; Urge Approval and Withdraw Application are grayed out and unclickable.

6.1 Create Collection

Click New in the upper right corner, select Vehicle Collection or Vehicle Model Collection to enter the collection creation page, as shown below:
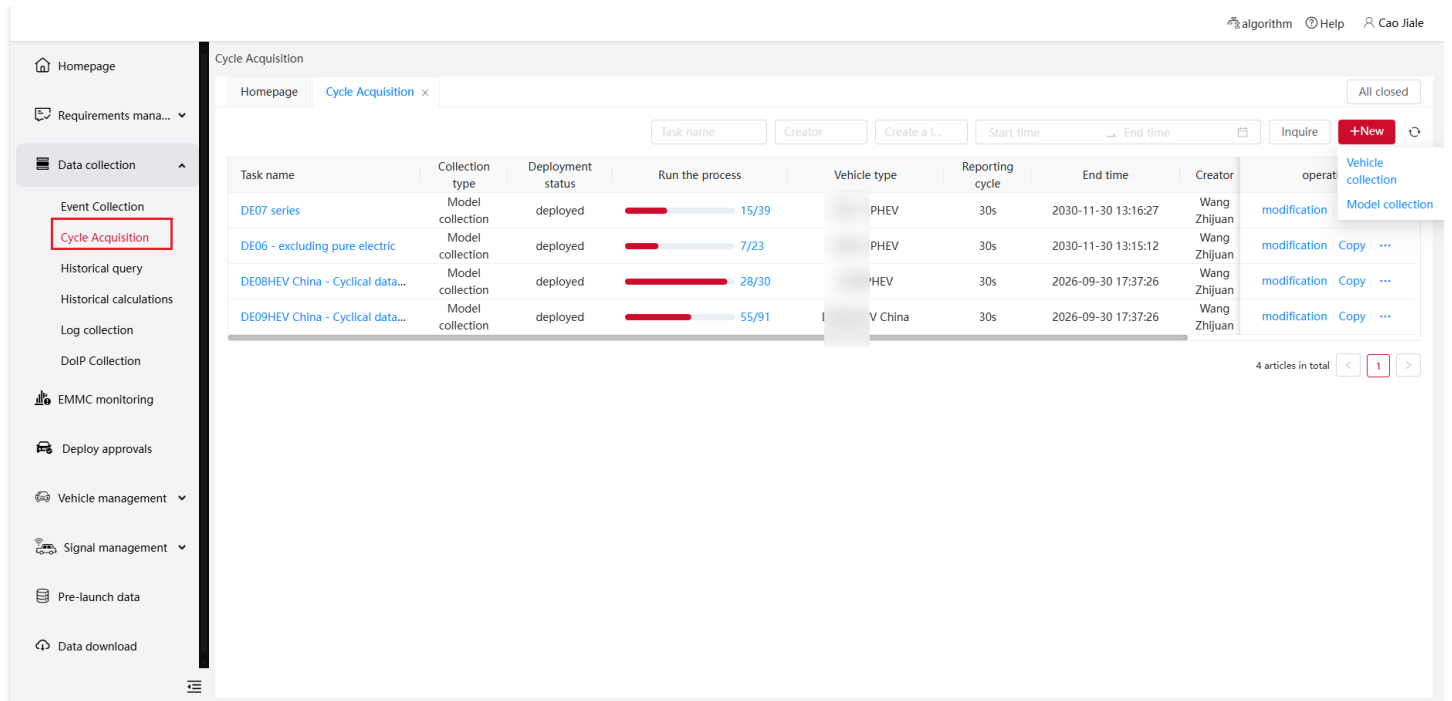
6.1.1 Create Vehicle Collection

Click Vehicle Collection to enter the Vehicle Collection creation page.
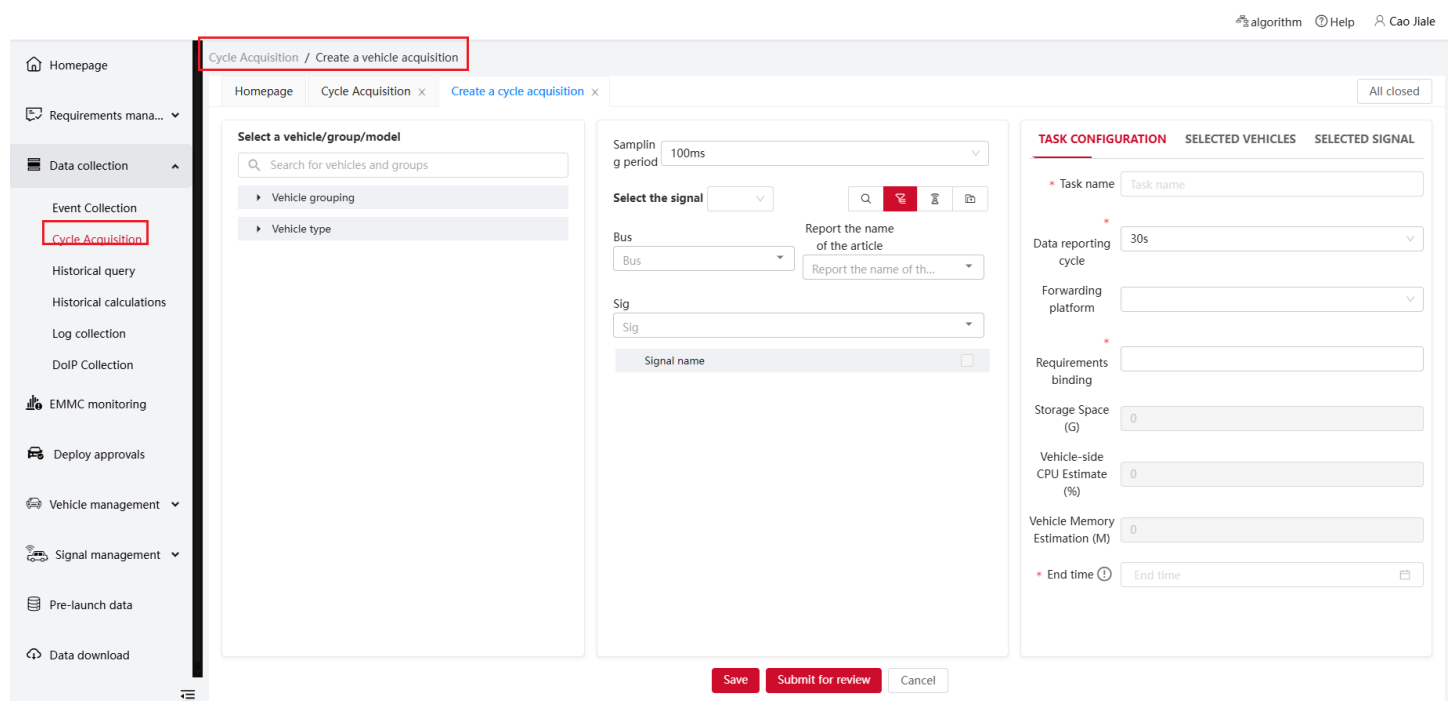
6.1.1.1 Configure Vehicle Selection

- Directly click the Group Name under the vehicle group to expand the vehicles in that group. Then click the Checkbox to select the vehicles for which data collection will be created.
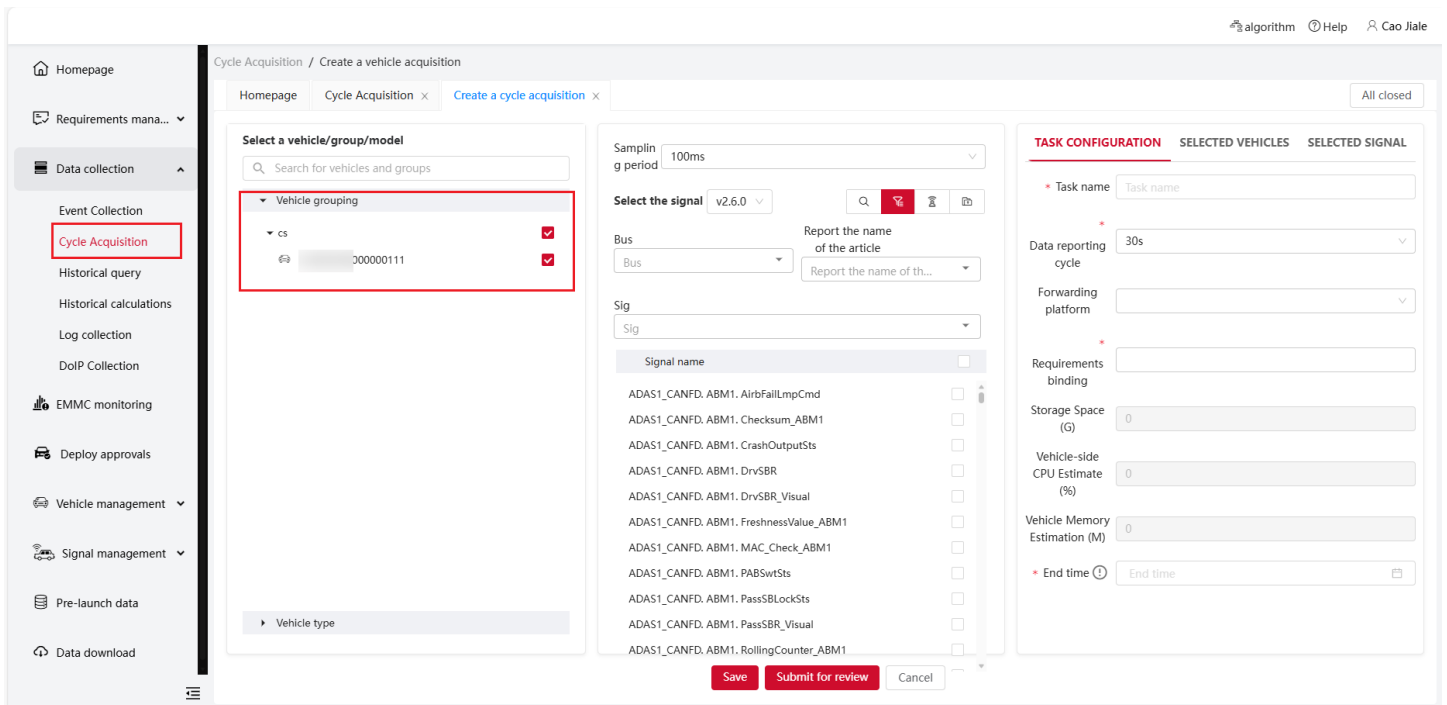
- Click the "Select Vehicles and Groups" search box, enter the VIN or group name. The relevant vehicles/groups will be displayed in the list below, and fuzzy search is supported.
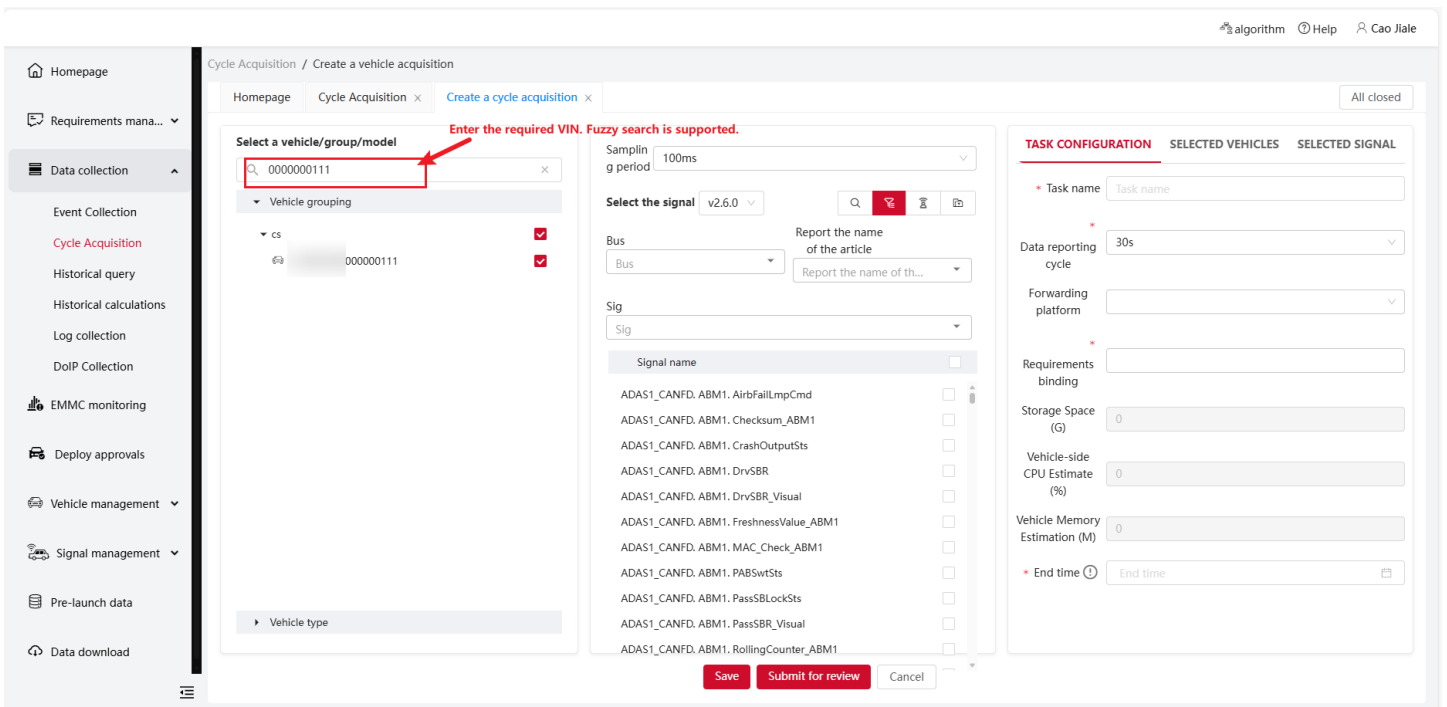
- Click the checkbox next to the vehicle VIN to select the vehicle. The selected vehicles will be displayed in the "Selected Vehicles" section.
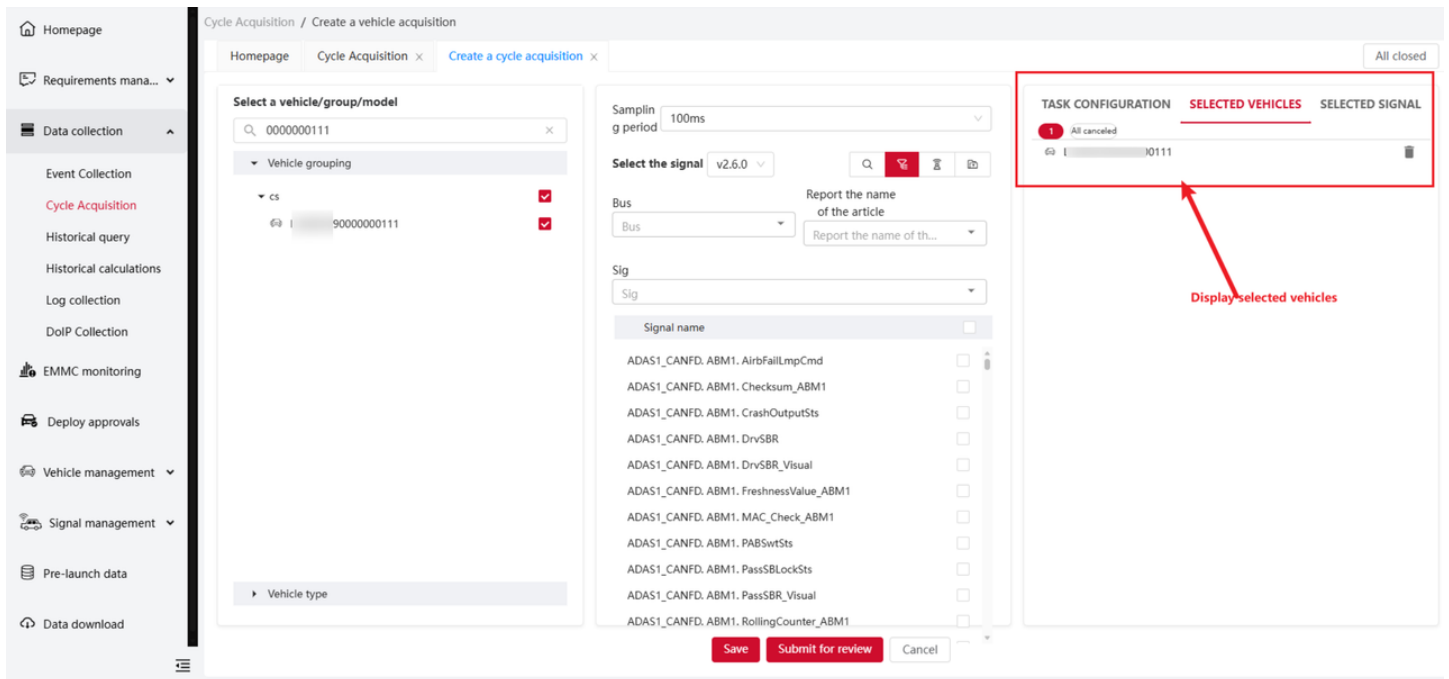
- Click "Vehicle Model" to expand the vehicle model and series group (collapsed by default). You can select all vehicles under a specific model by checking the box next to it.
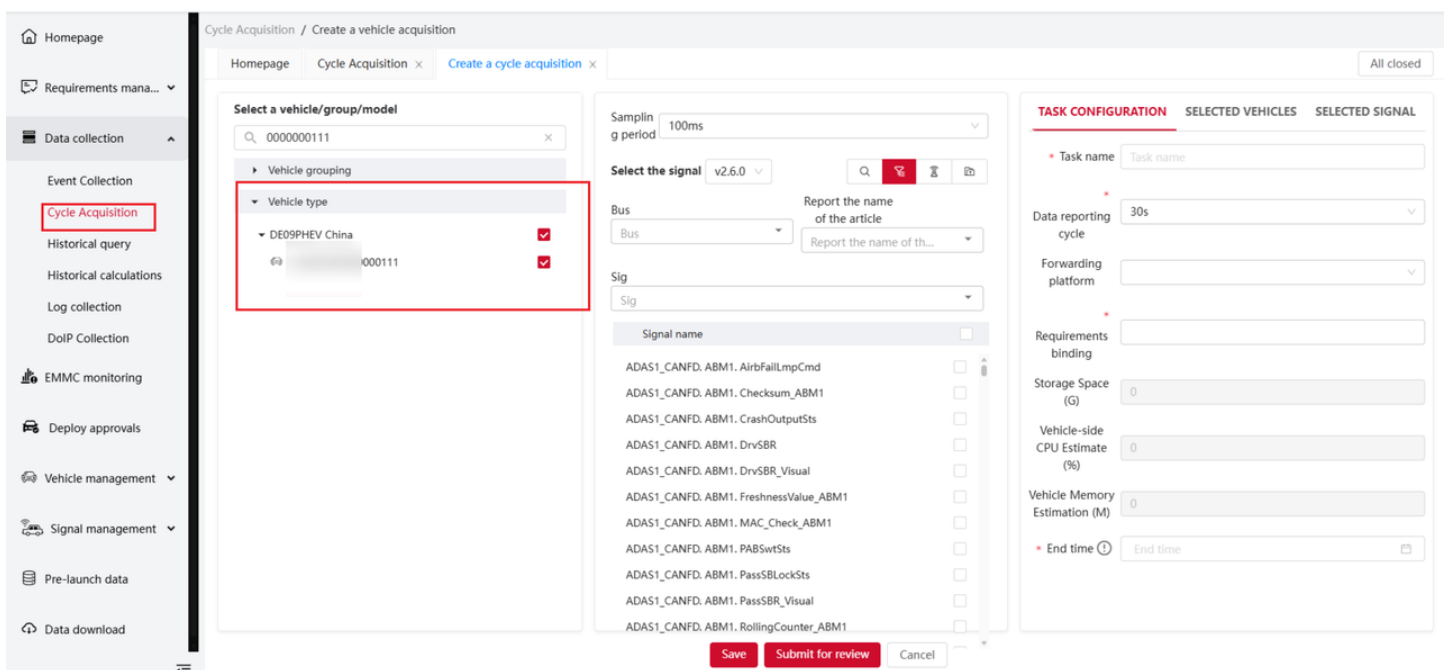
6.1.1.2 Configure Signal Selection

After selecting a signal, a Signal Version selection box will be displayed. Click the drop-down menu to expand the released signal versions. Select different signal versions to choose the signals to be collected under the corresponding version (the version must be consistent with the signal matrix version of the vehicle end for collection).
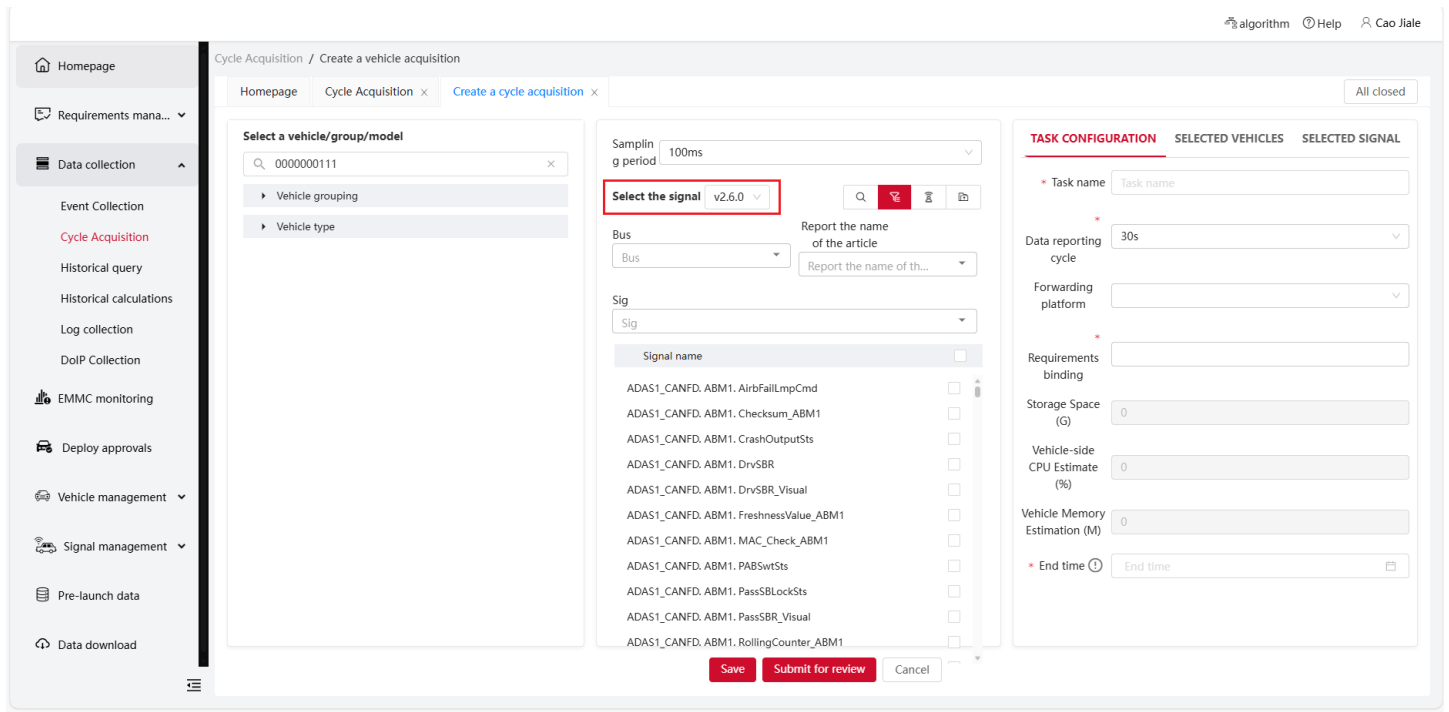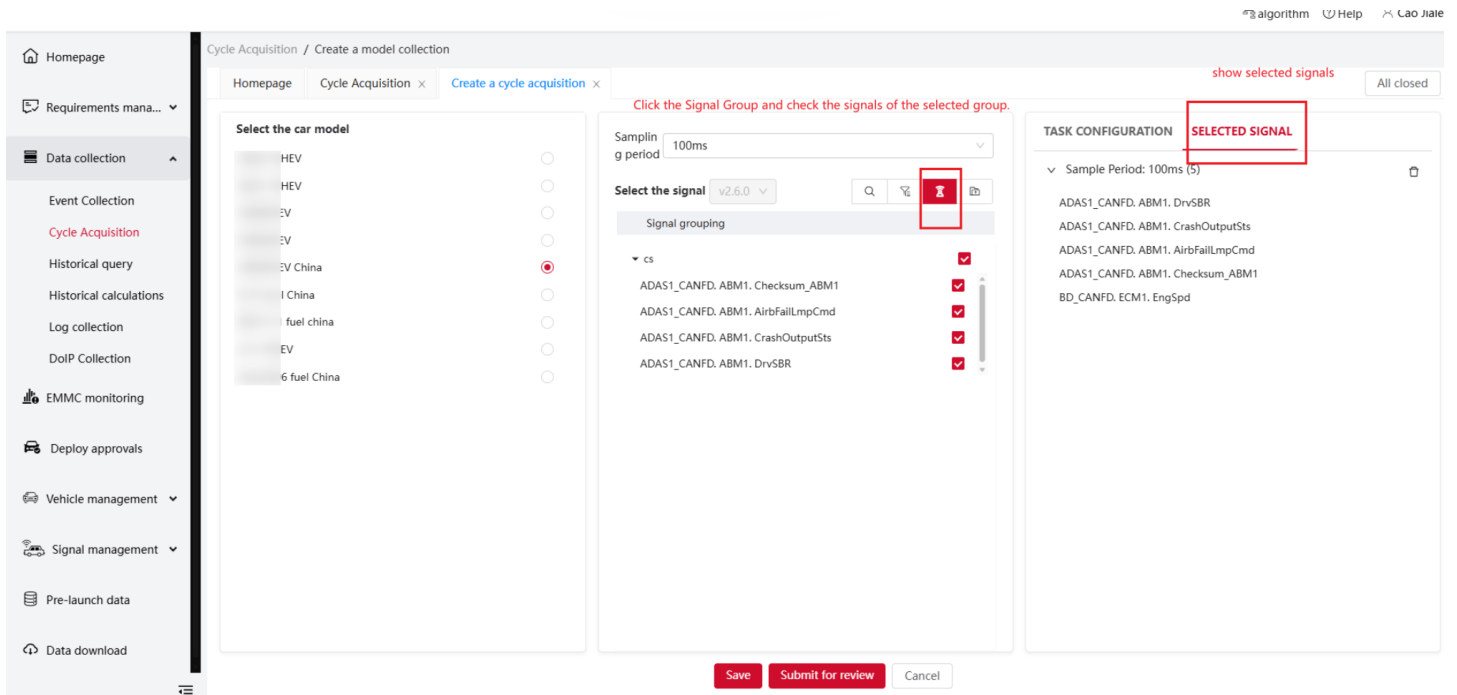
- The default signal selection mode is Conditional Filtering, and the signals that meet all the conditions will be displayed below.

- Click the checkbox next to a signal to select it; click the checkbox next to Signal Name to select all signals.

- The selected signals will be displayed in the "Selected Signals" section.
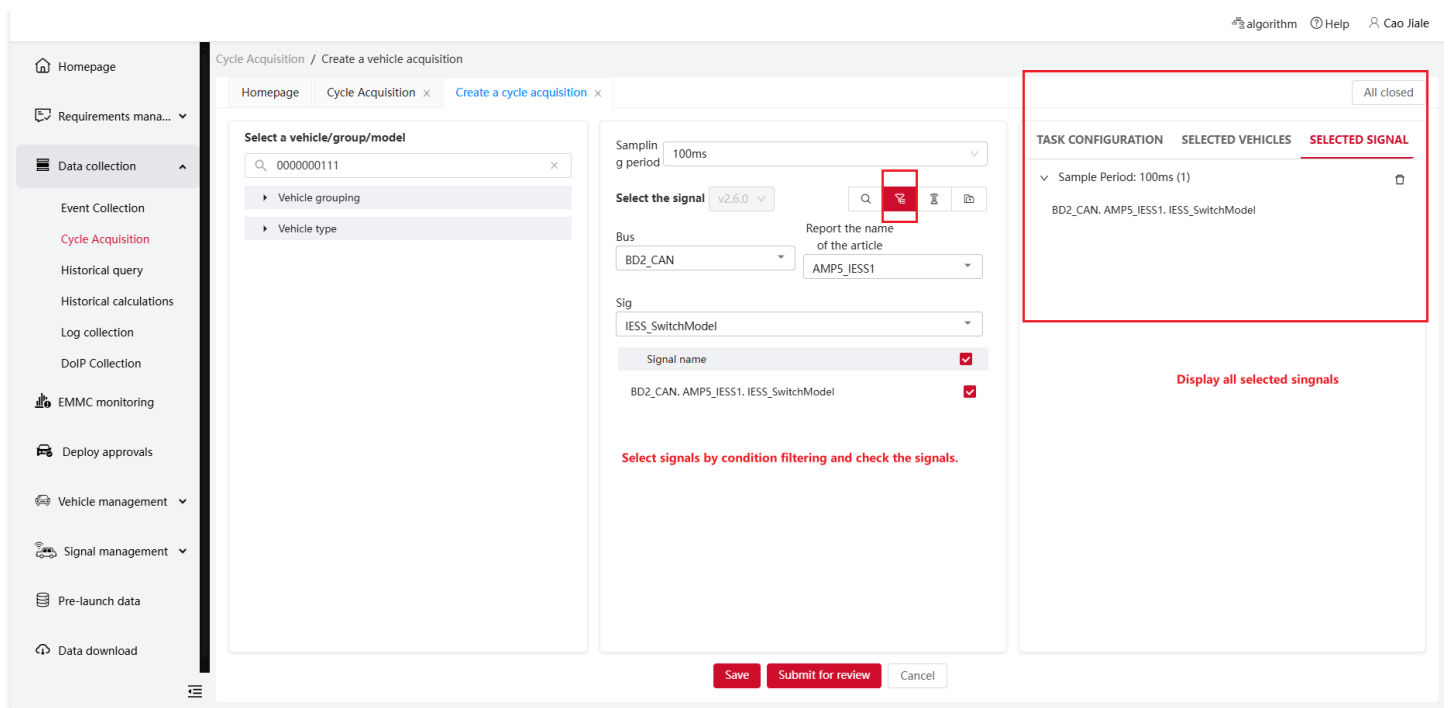
- Click "Signal Group" to select signals.

- Click the checkbox next to a signal to select it; click the checkbox next to "Signal Group Name" to select all signals in the group.

- The selected signals will be displayed in the "Selected Signals" section.
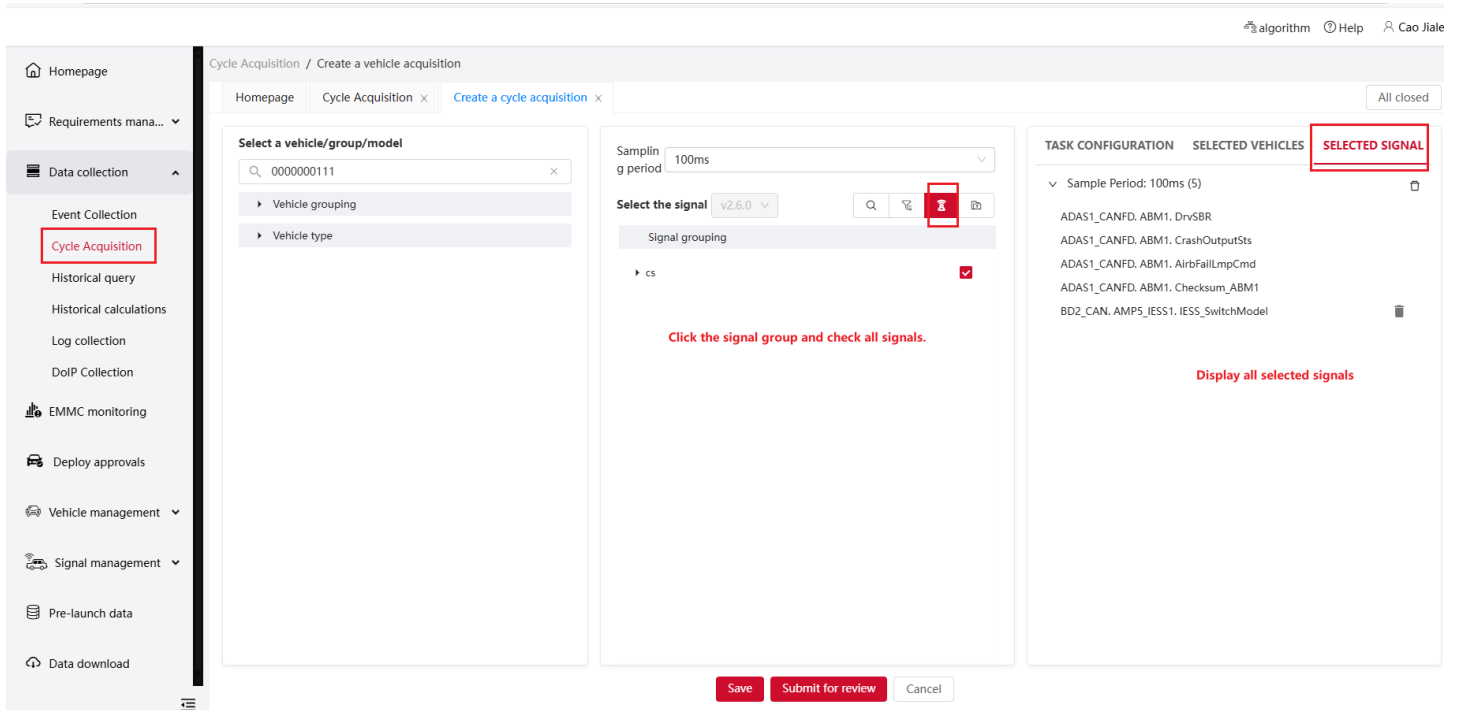
- Click the "Search Signals by Signal Name" icon to switch to the corresponding function.

- Enter the signal name in the search box to query the corresponding signal by name.
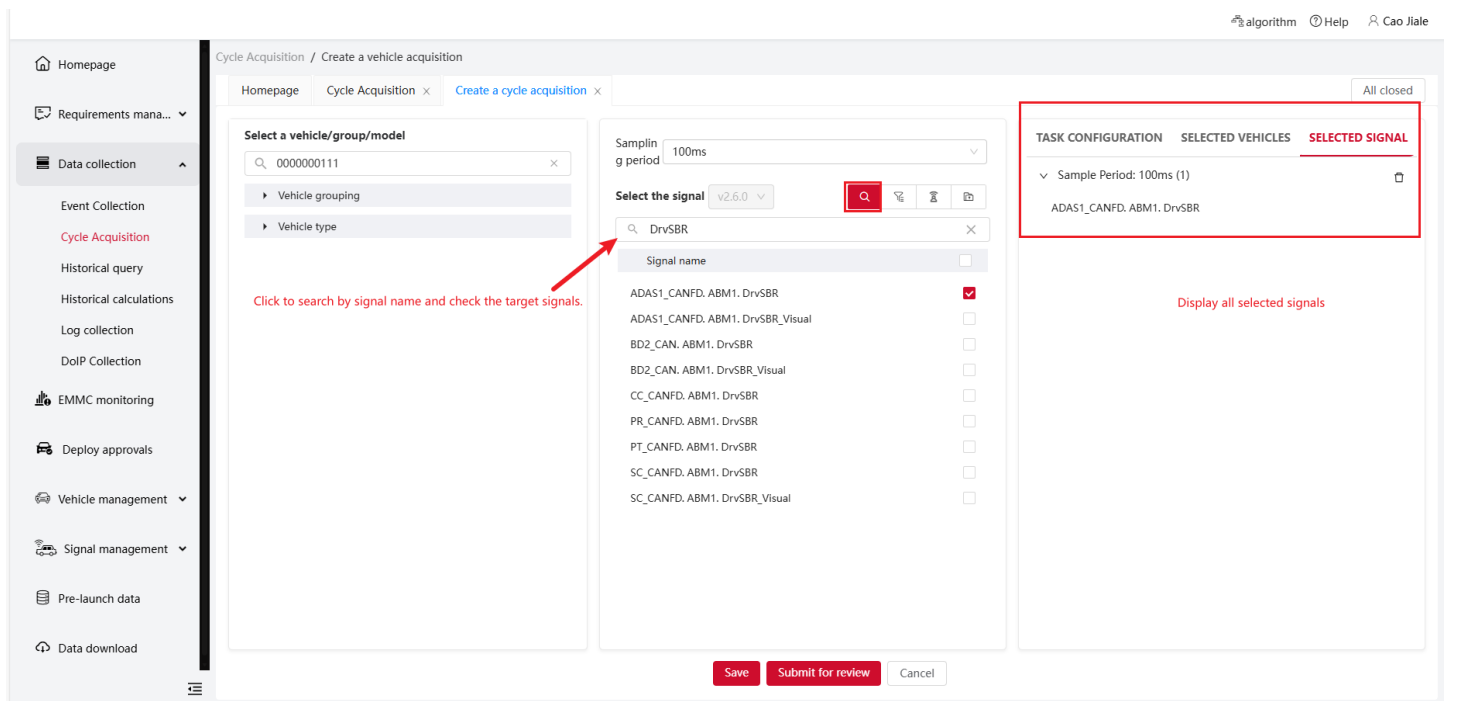
- Click the "Batch Add" icon to open the batch add interface.

- Enter signals separated by commas in the input box, and click "Confirm" to add the signals in batches.
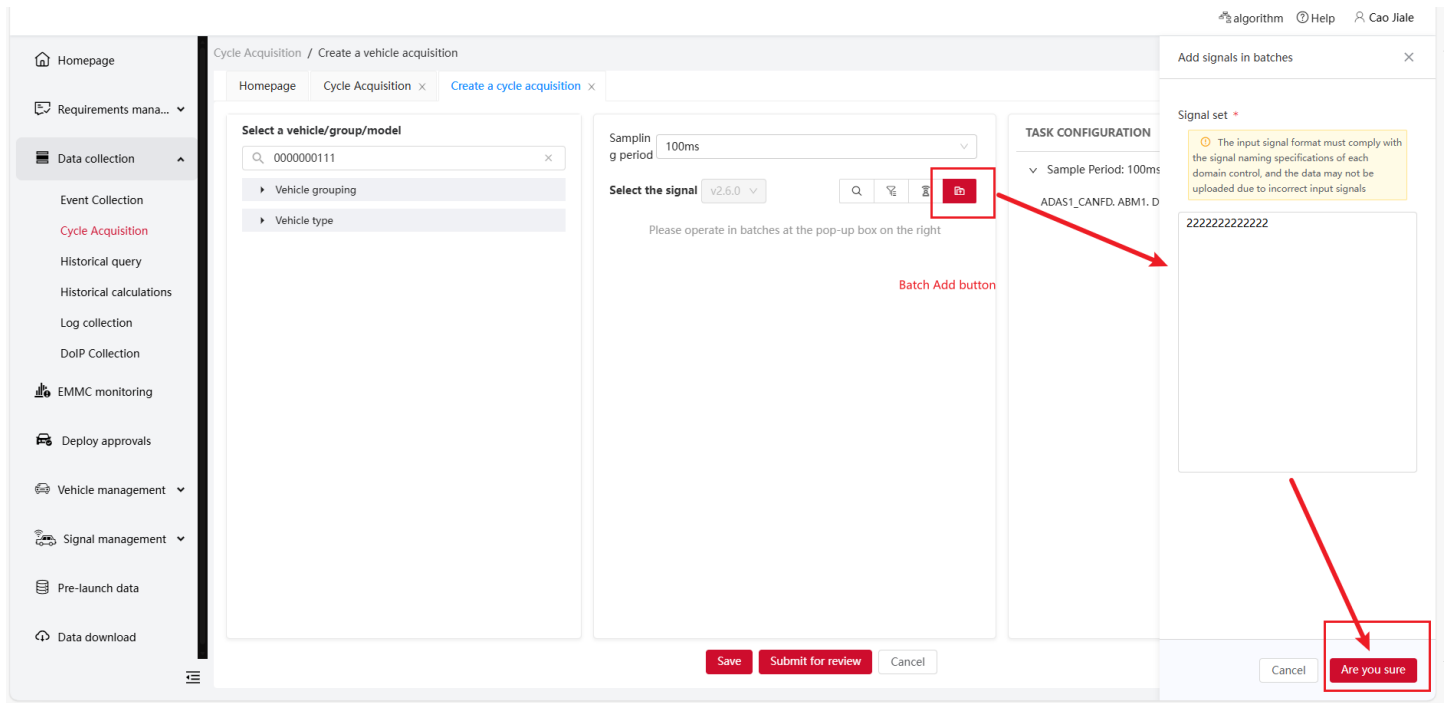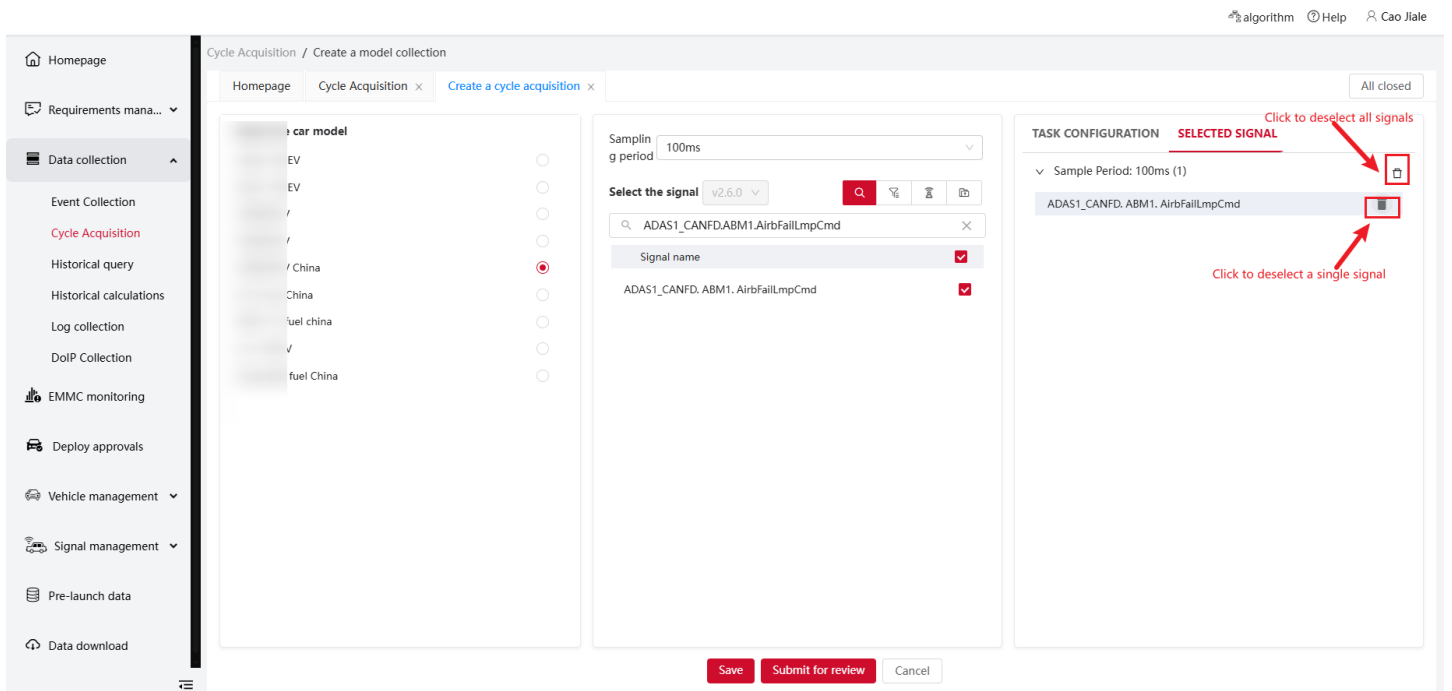
6.1.1.3 Task Configuration

- Click the Task Name input box and enter a task name. It supports Chinese characters, numbers, letters, hyphens and underscores. Task names for data collection cannot be duplicated.

- Click the Data Reporting Cycle selection box and select a cycle. The unit is seconds, and this field is mandatory.

- Click the Forwarding Platform selection box to choose target platforms. Multiple selections are allowed, and this field is optional.

- To bind requirements with associated vehicles, you need to select the vehicles first. Then obtain the requirement list for the corresponding vehicle model and select the required items.

- Select an end time. This field is mandatory. *(Note: The end time must be set at least one hour later than the current time.)*
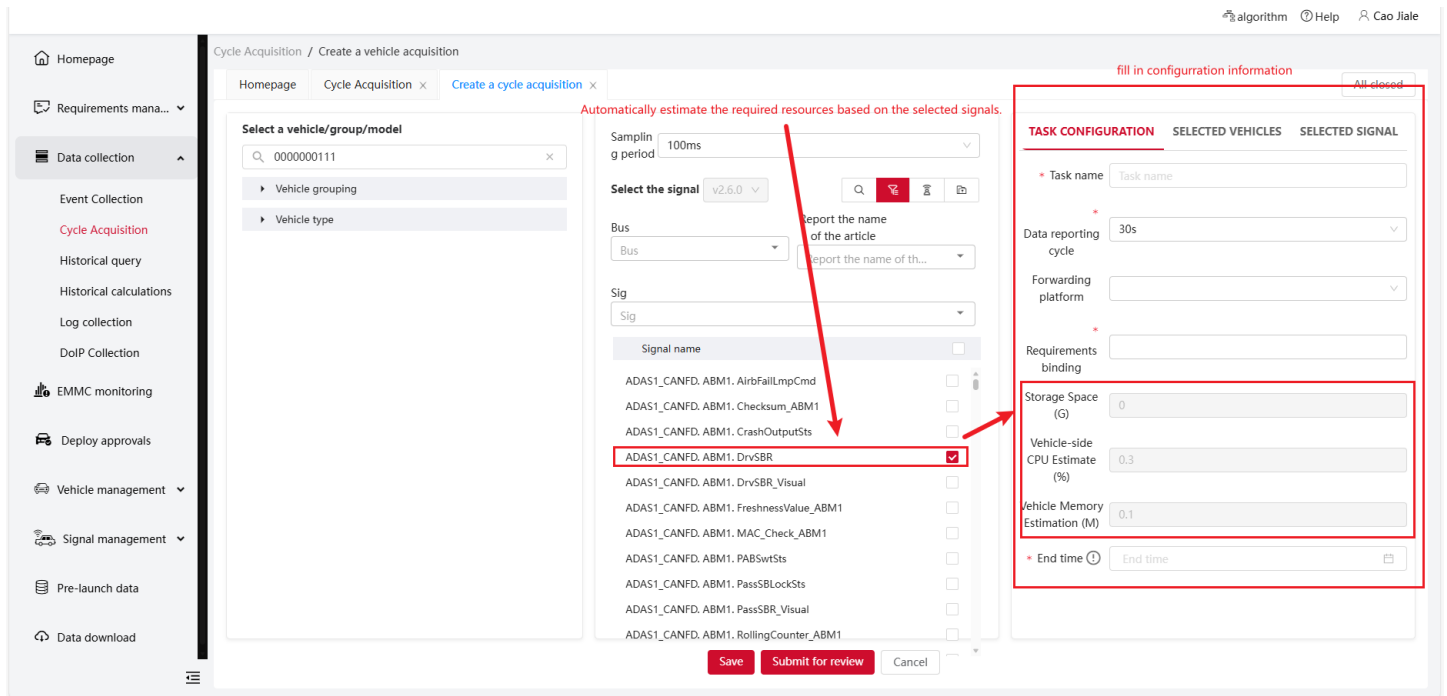
- In the "Selected Vehicles" list, the number of selected vehicles and the "Deselect All" function button are displayed on the right side.

- Hover the mouse over the "Selected Vehicles" list, and a "Delete" button will appear. Click it to remove the selected vehicle, and the corresponding checkbox on the left will be unchecked synchronously. Click "Deselect All" to clear all vehicle selections.

- In the "Selected Signals" list, the number of selected signals and the "Deselect All" function button are displayed on the right side.

- Hover the mouse over an entry in the "Selected Signals" list, and a "Delete" button will appear. Click it to remove the selected signal, and the corresponding checkbox on the left will be unchecked synchronously. Click "Deselect All" to clear all signal selections.

- After completing the configuration, click the Save button to save the data of this periodic collection task. The task will not be distributed or deployed immediately. You can re-enter the page to modify and deploy the task later.

- Click the Submit for Approval button to submit the task for review. Once approved, the task can be distributed to the vehicle end.

- Click Cancel to exit the collection task creation page without creating the current collection task.

6.1.2 Create Vehicle Model Collection

Click "Vehicle Model Collection" to enter the Vehicle Model Collection creation page.

6.1.2.1 Configure Vehicle Selection

Only vehicle models are available for selection, and single selection is mandatory.

6.1.2.2 Configure Signal Selection

After selecting signals, the Signal Version selection box will be displayed. Click the dropdown to expand the list of published signal versions. Select different signal versions to collect signals under the corresponding version (the version must be consistent with the signal matrix version of the target vehicle end).
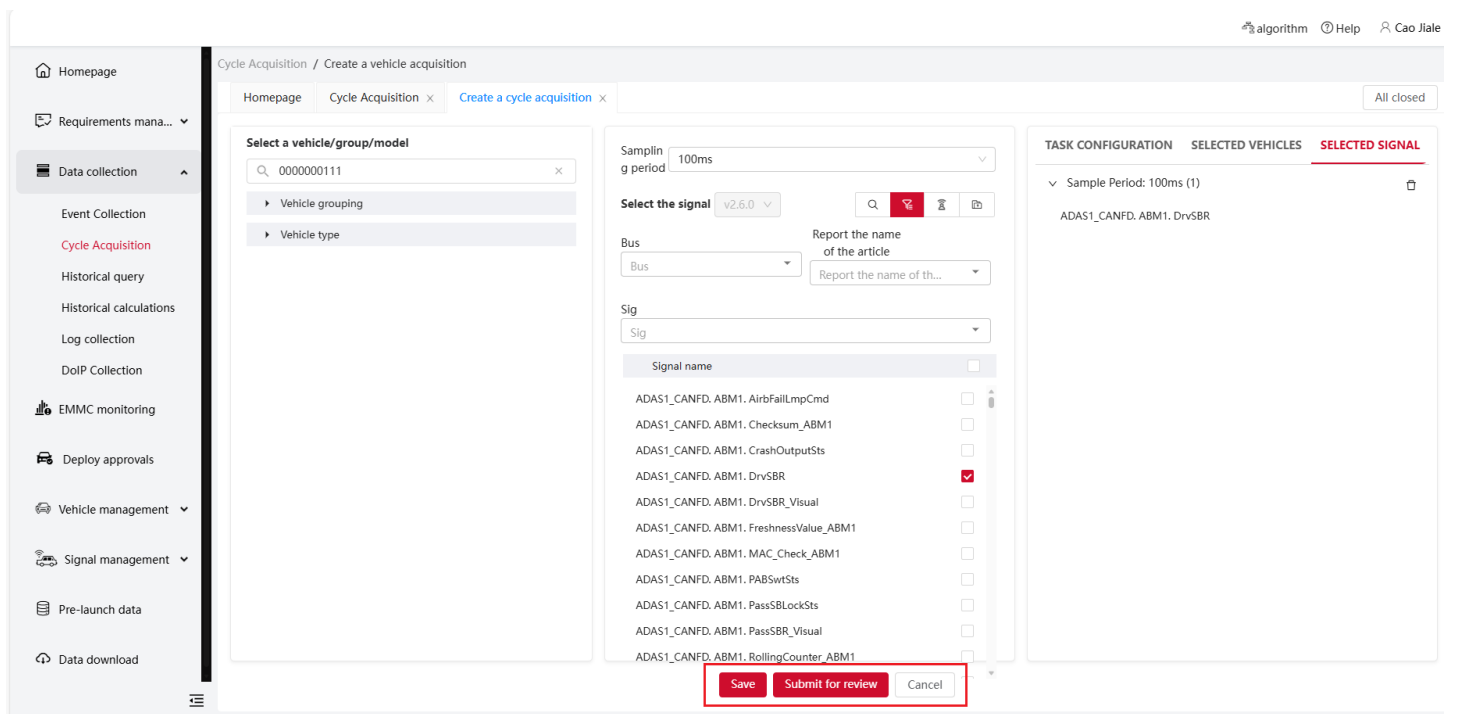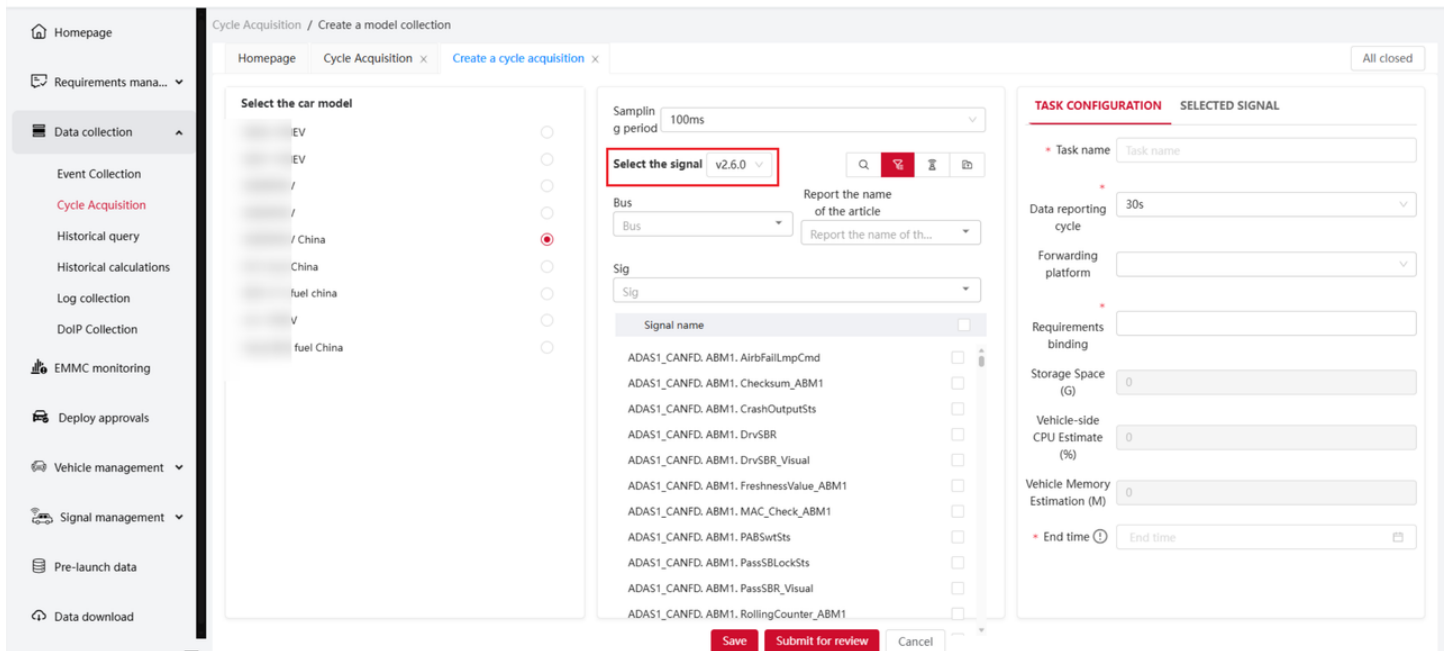
- The default signal selection mode is "Conditional Filtering", and signals that meet all the conditions will be displayed below.

- Click the signal checkbox to select a specific signal; click the Signal Name checkbox to select all signals.

- The "Selected Signals" section displays the checked signals.
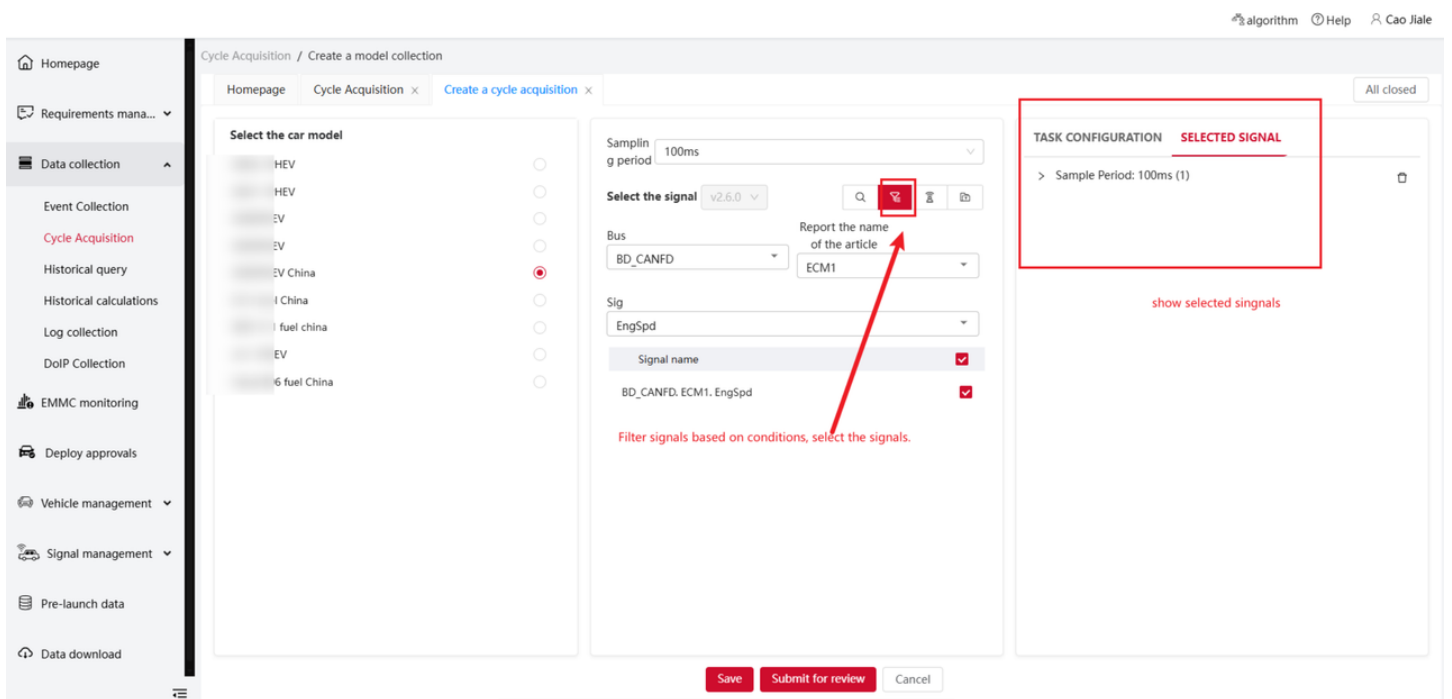
- Click "Signal Group" to select signals.

- Click the signal checkbox to select a specific signal; click the Signal Group Name checkbox to select all signals.

- The "Selected Signals" section displays the checked signals.

- Click the "Search Signals by Signal Name" icon to switch to the corresponding function.
- Enter the signal name in the search box to query the corresponding signal based on the name.
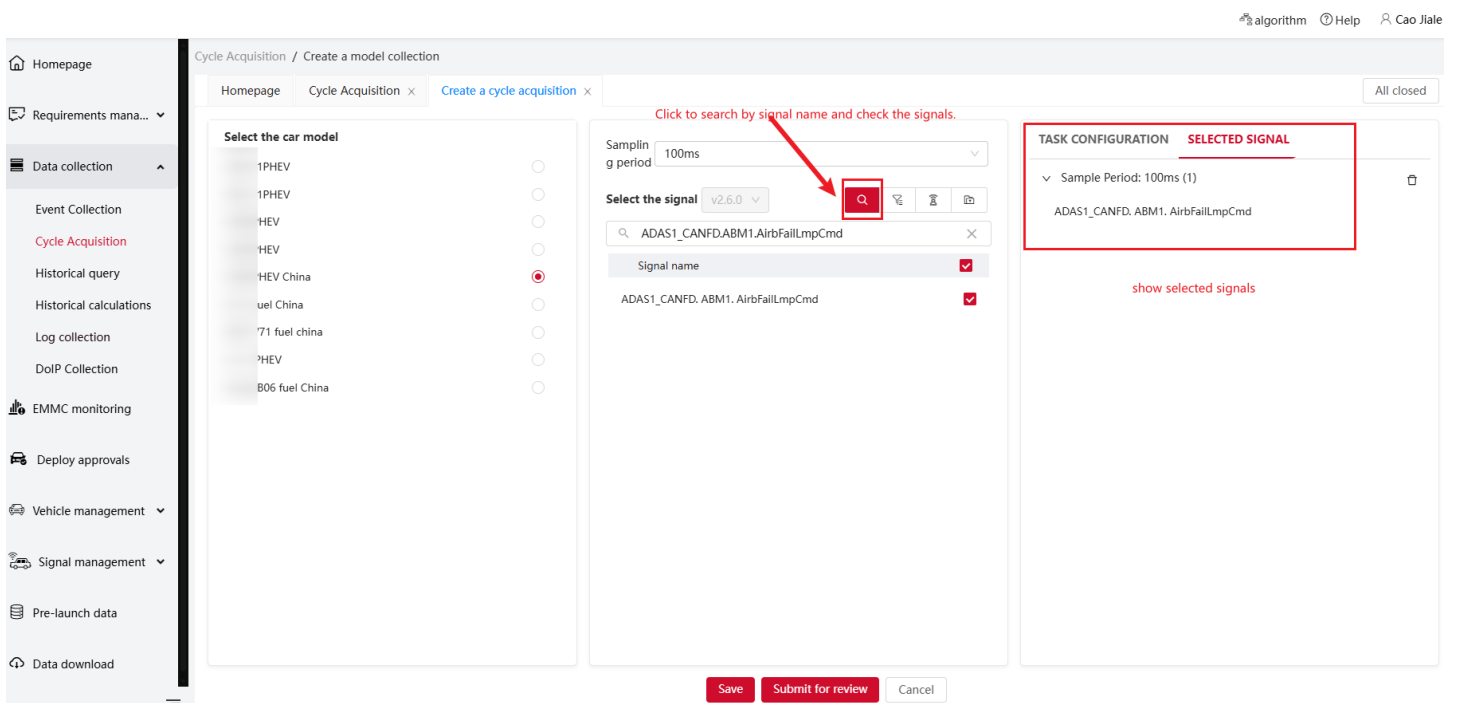
- Click the "Batch Add" icon to open the batch add interface.
- Enter signals separated by commas in the input box, and click "Confirm" to add the signals in batches.
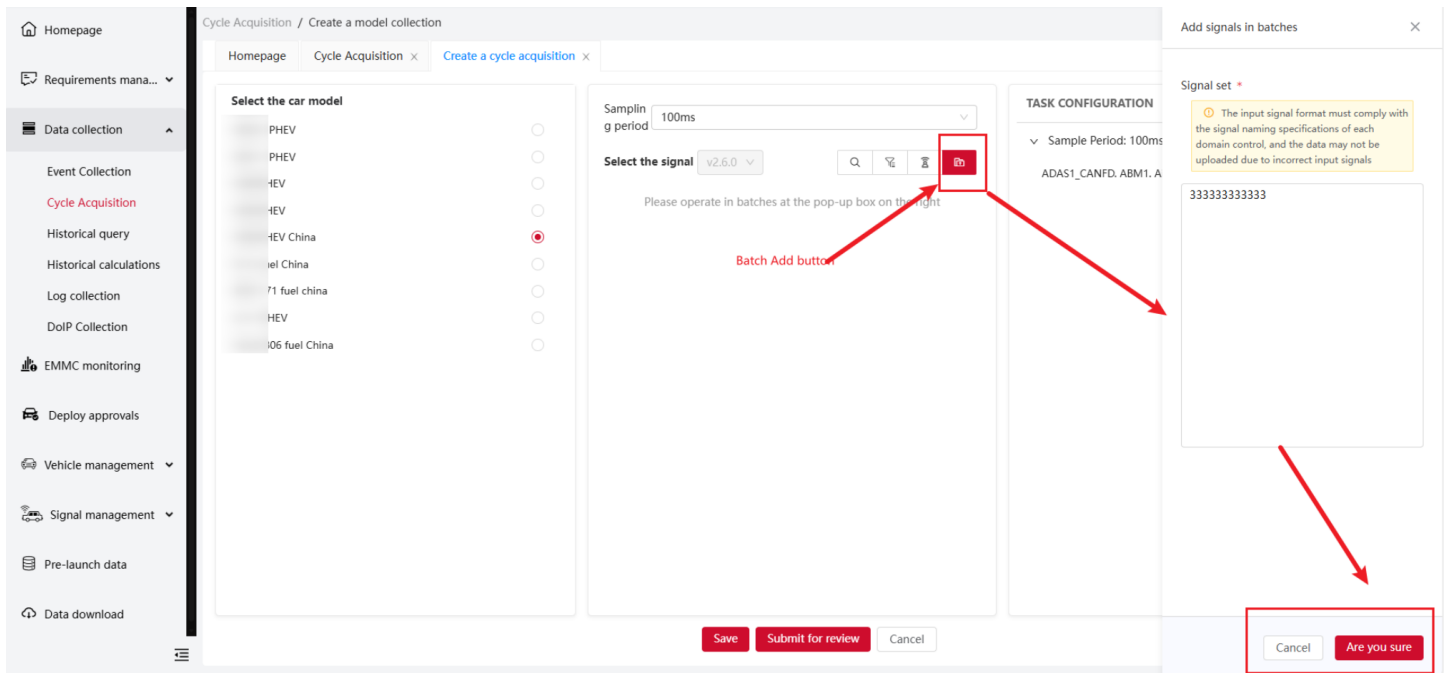
6.1.2.3 Task Configuration

- Click the Task Name input box and enter a task name. It supports Chinese characters, numbers, letters, as well as hyphens and underscores. The name of a collection task must be unique.

- Click the Data Reporting Interval selection box to set the interval for data reporting. The unit is seconds, and this is a required field.

- Click the Forwarding Platform selection box to choose target platforms for data forwarding. Multiple selections are allowed, and this is an optional field.

- To bind requirements to the associated vehicle model, you need to first select the vehicle model, then retrieve the requirement list for this model and make your selections.

- After selecting the vehicles and signals, the system will calculate and display the required storage space, vehicle-side CPU usage, and vehicle-side memory usage.

- Select an end time for the task. This is a required field (Note: The end time must be set to at least one hour later than the current time).
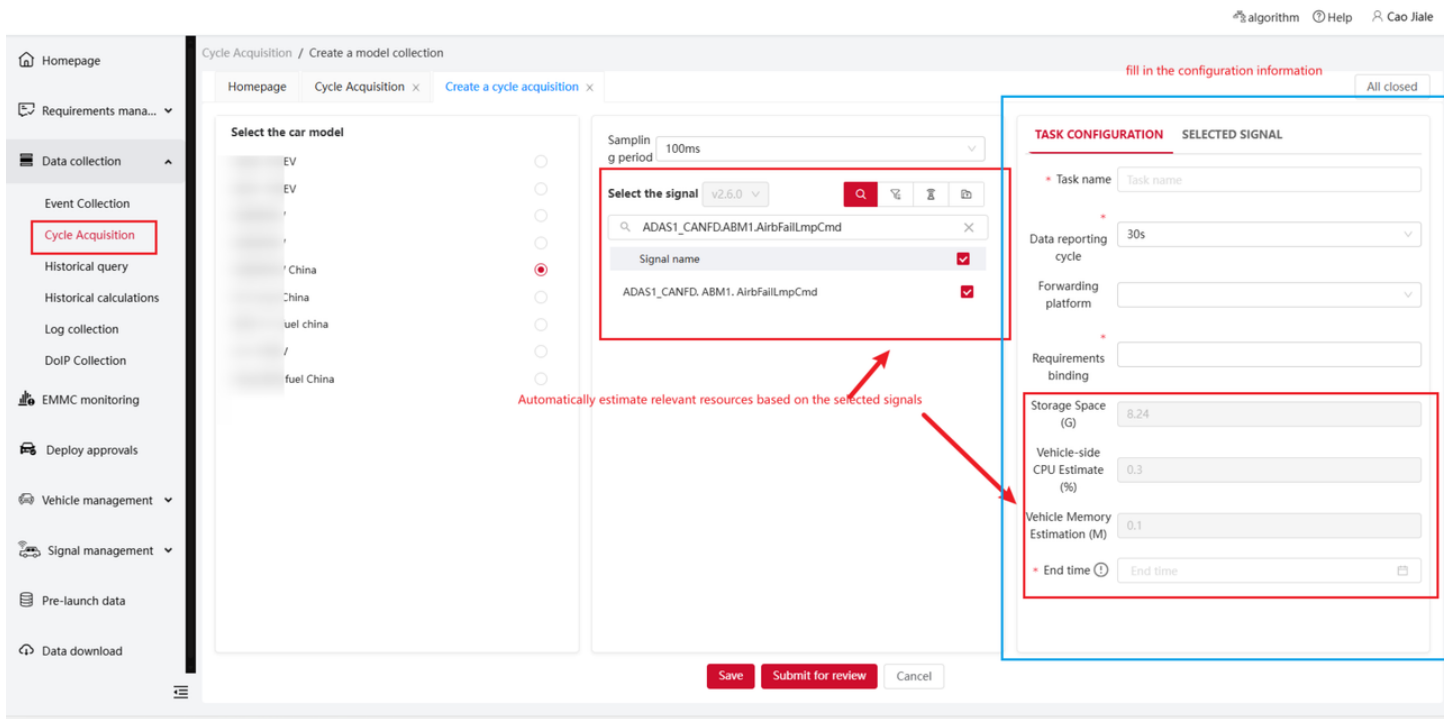
- In the "Selected Signals" list, the number of selected signals and the "Deselect All" function button are displayed on the right side.

- Hover the mouse over an entry in the "Selected Signals" list, and a "Delete" button will appear. Click it to remove the selected signal, and the corresponding checkbox on the left will be unchecked synchronously. Click "Deselect All" to clear all signal selections.

- After the configuration is completed, click the Save button to save the data of this periodic collection task. The task will not be distributed or deployed, and you can re-enter the page to modify and deploy it.

- Click the Submit for Review button to submit the application. After the review is approved, the task can be distributed to the vehicle side.

- Click Cancel to exit the collection creation page without creating this collection task.
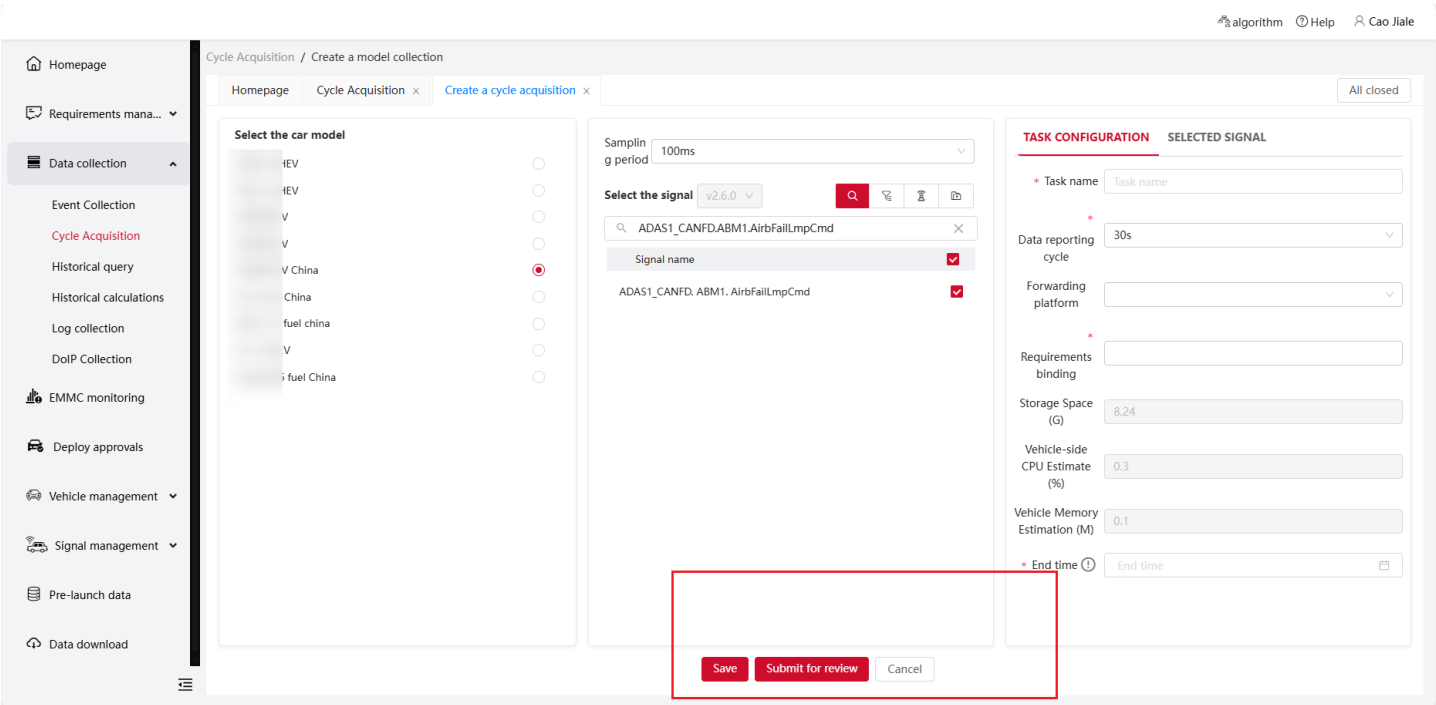
6.2. View Collection Task Details

Click the Task Name to view the details of the current collection task.

- Displays the selected vehicles, signals, and task configurations.

- The task configuration shows the periodic collection task name, data parsing version, data reporting cycle, downsampling cycle, forwarding platform, and query time.

6.3. Collection Copy

- Select a collection task and click Copy to enter the collection copy page.

- The vehicle model can be modified.

- The signals can be modified.

- The task configuration can be modified.

- The task name must be modified to avoid duplication.

- Enter a new name and click OK. The newly copied collection task will appear in the list, and you can check its deployment status.

6.4. Collection Modification

- For a vehicle collection task in the Unsubmitted or Deployed status, click Modify in the list to enter the collection modification page.

- For a model collection task in the Unsubmitted or Deployed status: if the interface returns the value true for the field `editorable`, modification is allowed. Click Modify in the list to enter the collection modification page.

- The event algorithm can be modified.

- The task configuration can be modified.

- The task name cannot be modified.
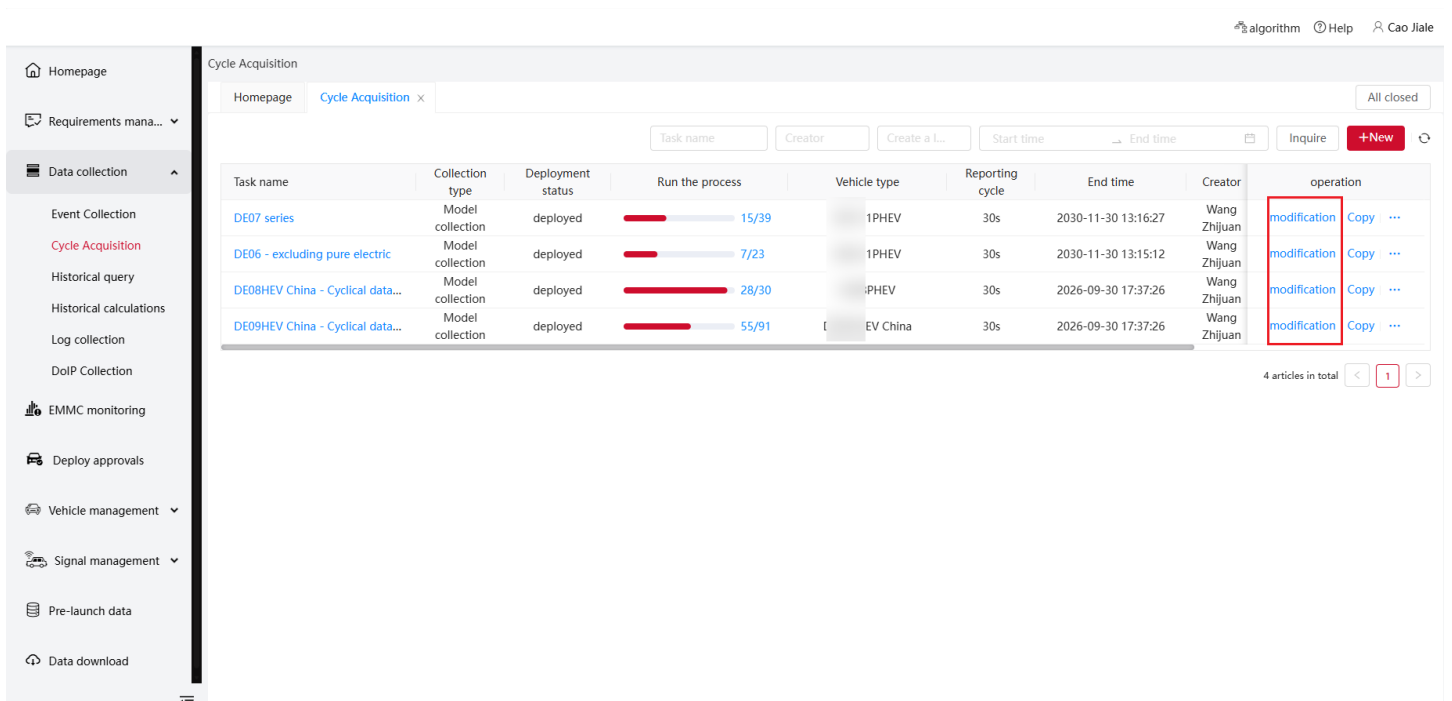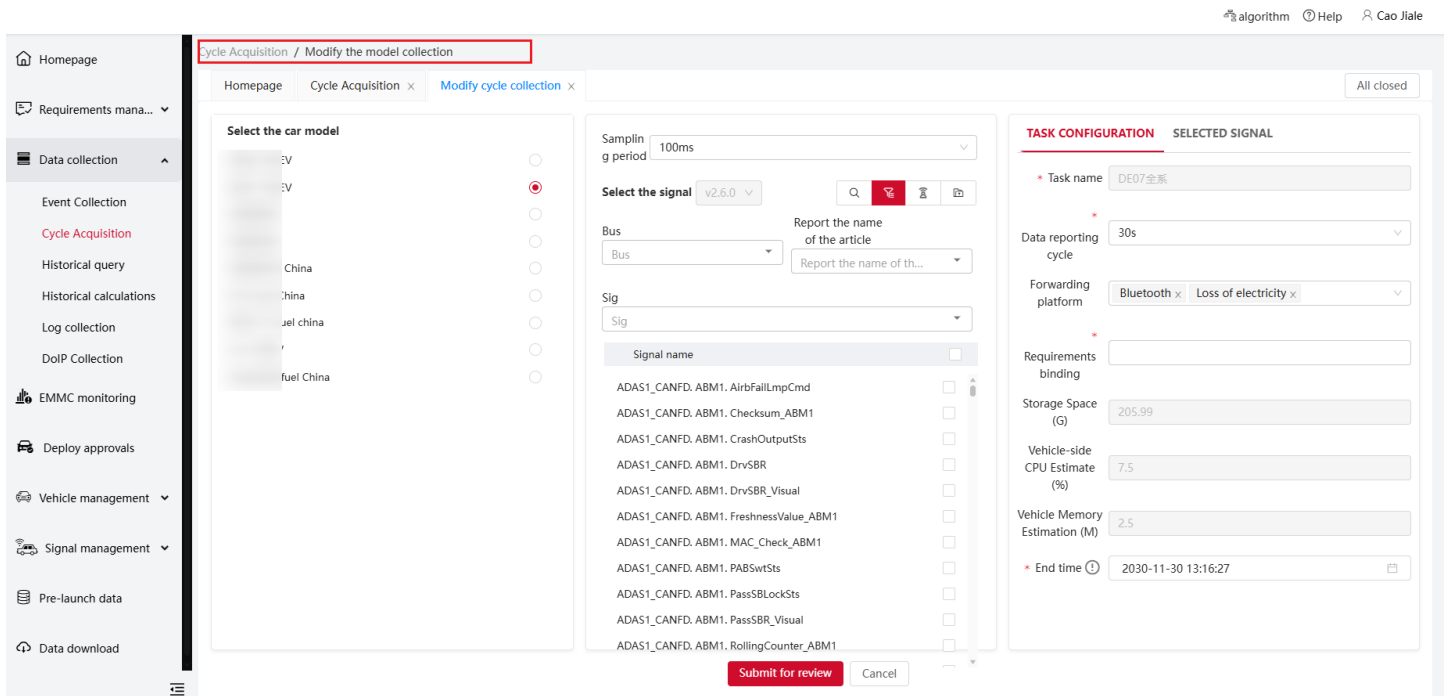
6.5. More Operations "..."

Click "..." in the operation column to access more operations.

1. Run: Re-run the task on all vehicles and update the deployment status.

2. Stop: Stop the task on all vehicles and update the deployment status.

3. Urge Approval: Send a message via the interface to urge the approver to review the task.

4. Withdraw: Send a message via the interface to withdraw the approval application.

5. View Status: A dialog box will pop up to display the approval status.

6.5.1 Button Status

- Unsubmitted: The functions of Urge Approval, Withdraw and View Status are unclickable.

- Under GWM Review: The functions of Urge Approval, Withdraw and View Status are clickable.

- Approved by GWM: The function of View Status is clickable; the functions of Urge Approval and Withdraw are unclickable.

- Rejected by GWM: The function of View Status is clickable; the functions of Urge Approval and Withdraw are unclickable.

- Under Review: The function of View Status is clickable; the functions of Urge Approval and Withdraw are unclickable.

- Rejected: The function of View Status is clickable; the functions of Urge Approval and Withdraw are unclickable.

- Deployed: The function of View Status is clickable; the functions of Urge Approval and Withdraw are unclickable.

6.6 Periodic Collection Secondary Page

Click Running Process in the collection task list to enter the data collection secondary page. You can view the deployment status and executable operations of each vehicle under this task, as shown in the figure below.

6.6.1 Batch Operations

- Check the vehicles, execute Batch Run or Batch Stop for the selected vehicles, and update the deployment status accordingly.

- A prompt will appear: *This operation is irreversible Please proceed with caution*. Click OK to continue.

6.6.2 Run All

- Click Run All. A warning prompt will appear. Click OK to proceed. This will retry all retryable vehicles in the list and update the deployment status, consistent with the data collection process.

- If there are no runnable vehicles in the list, the prompt No eligible vehicles will be displayed.

6.6.3 Stop All

- Click Stop All. A warning prompt will appear. Click OK to proceed. This will stop all stoppable vehicles in the list and update the deployment status, consistent with the data collection process.

- If there are no stoppable vehicles in the list, the prompt No eligible vehicles will be displayed, the same as the Run All function.

6.6.4 Operation - Run

When a vehicle is in a runnable state, click Run to retry the vehicle and update its deployment status.

6.6.5 Operation - Stop

When a vehicle is in a stoppable state, click Stop to halt the vehicle and update its deployment status.

6.6.6 Operation - Download

On the data collection secondary page, select the vehicle data to be downloaded and click **Download** in the list operations. You will be redirected to the download page, which includes the query and download function bar and data list, as shown in the figure below.

You will be redirected to this page (the breadcrumb path displays Data Download):

- Time and VIN filtering are supported, and multiple VINs can be selected.

- Batch download of selected data is available, with the option to choose the corresponding download format.

- The operation is: Download.

- Click Download in the operations to download the vehicle data.

Note: Add signal selection for both batch download and single download.

- When selecting the download format type: `mdf`, `csv`, `asc`, or `blf`, you need to select signals before downloading the collected data.

- Select a download format that requires signal selection, choose the data to be downloaded, and click Download. A signal selection box will pop up.

- Select signals from the available signal list on the left. The selected signals will be displayed and checked in the selected signal list on the right. You can deselect the chosen signals by clicking the Cancel button on the right.

- Click OK to download the data of the selected signals.

- A maximum of 1000 signals can be selected.

- View the downloaded files in the download directory.

7. Historical Query

Historical query collection refers to the data collection created when users want to obtain historical data of vehicles. Users select the target vehicles and the historical time range. After the historical query collection rules are distributed to the vehicle side, the vehicle side starts to collect historical data within the specified time range and uploads it to the cloud.

7.1 Create Collectionn

Click New in the upper right corner to enter the collection creation page, as shown below.

7.1.1 Configure Vehicle Selection

- Directly click the Group Name under the vehicle group to expand the vehicles in this group. Click the Checkbox to select the vehicles for which data collection will be created.
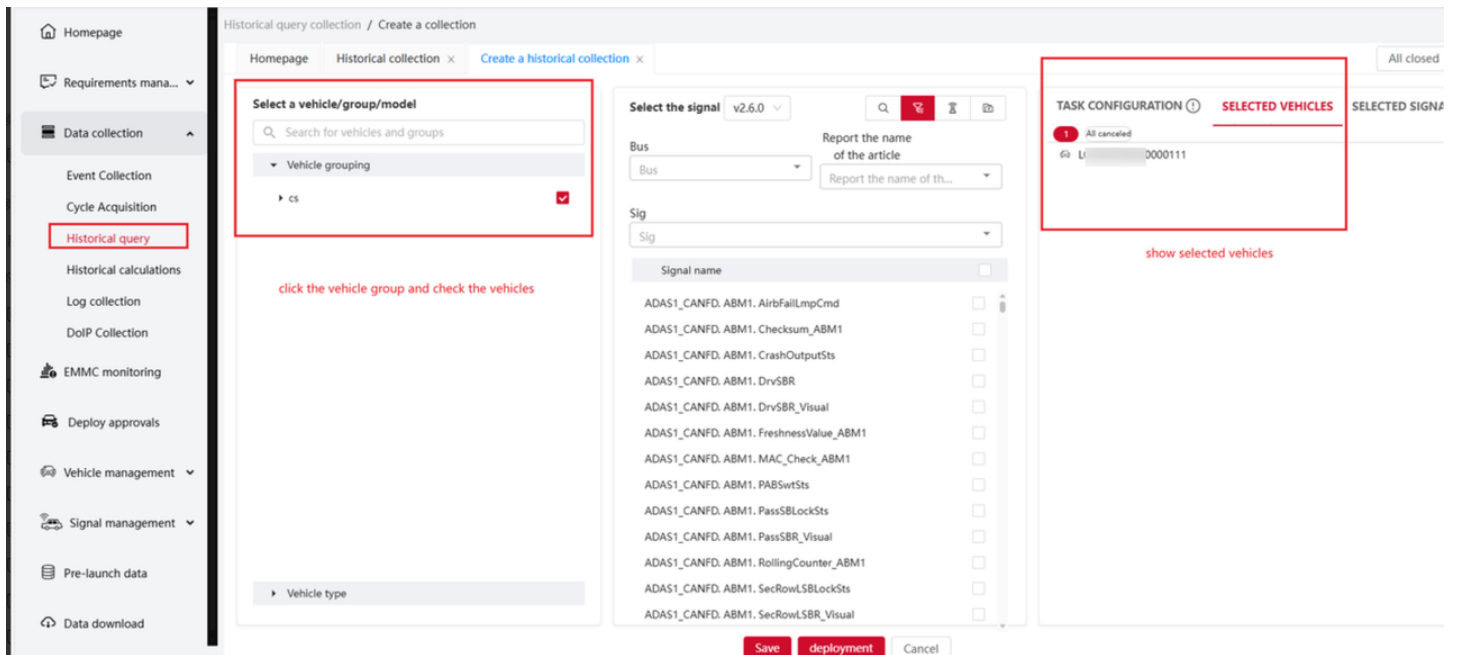
- Click the "Select Vehicles and Groups" search box, enter the VIN or group name. The relevant vehicles/groups will be displayed in the list below, with fuzzy search supported.
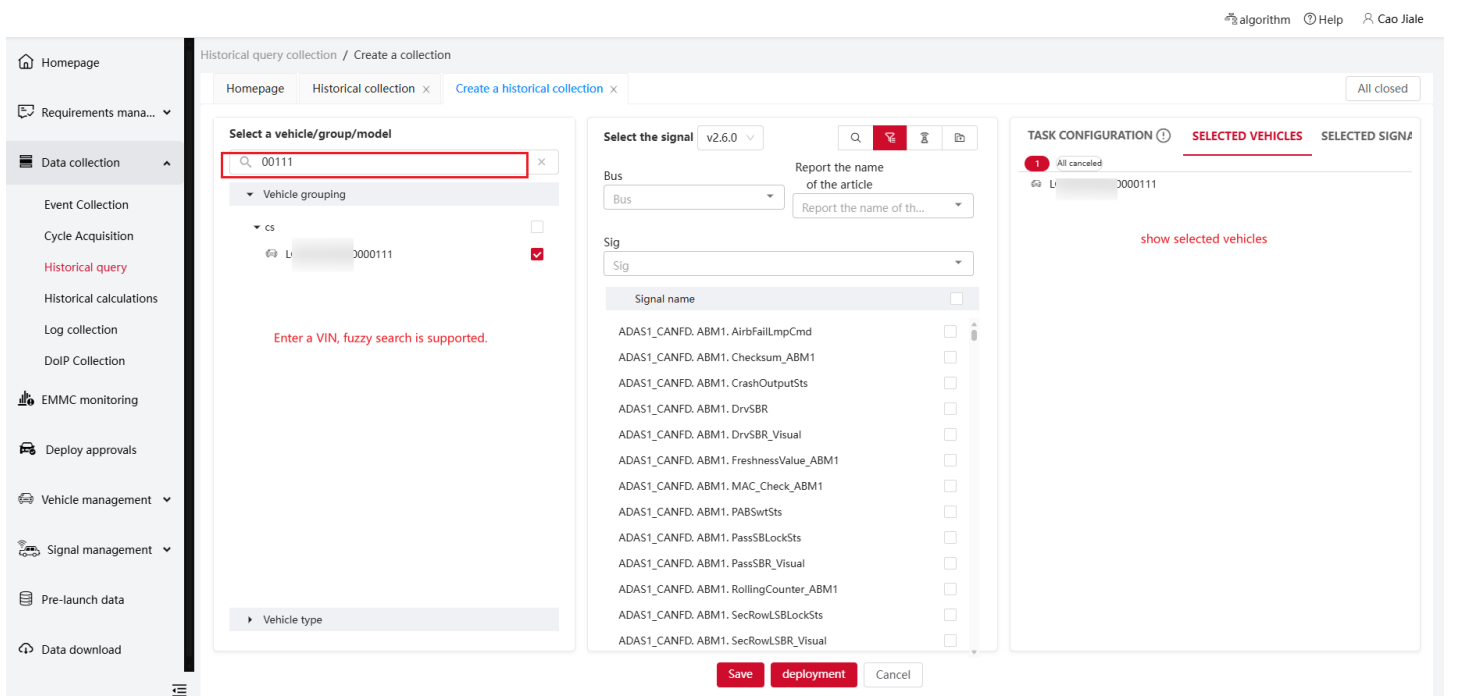
- Click the checkbox next to the vehicle VIN to select the vehicle. The selected vehicle will be displayed in the Selected Vehicles section.

- Click "Vehicle Model" to expand the vehicle model and series group (collapsed by default). You can select all vehicles under a specific model by checking the box next to that model.
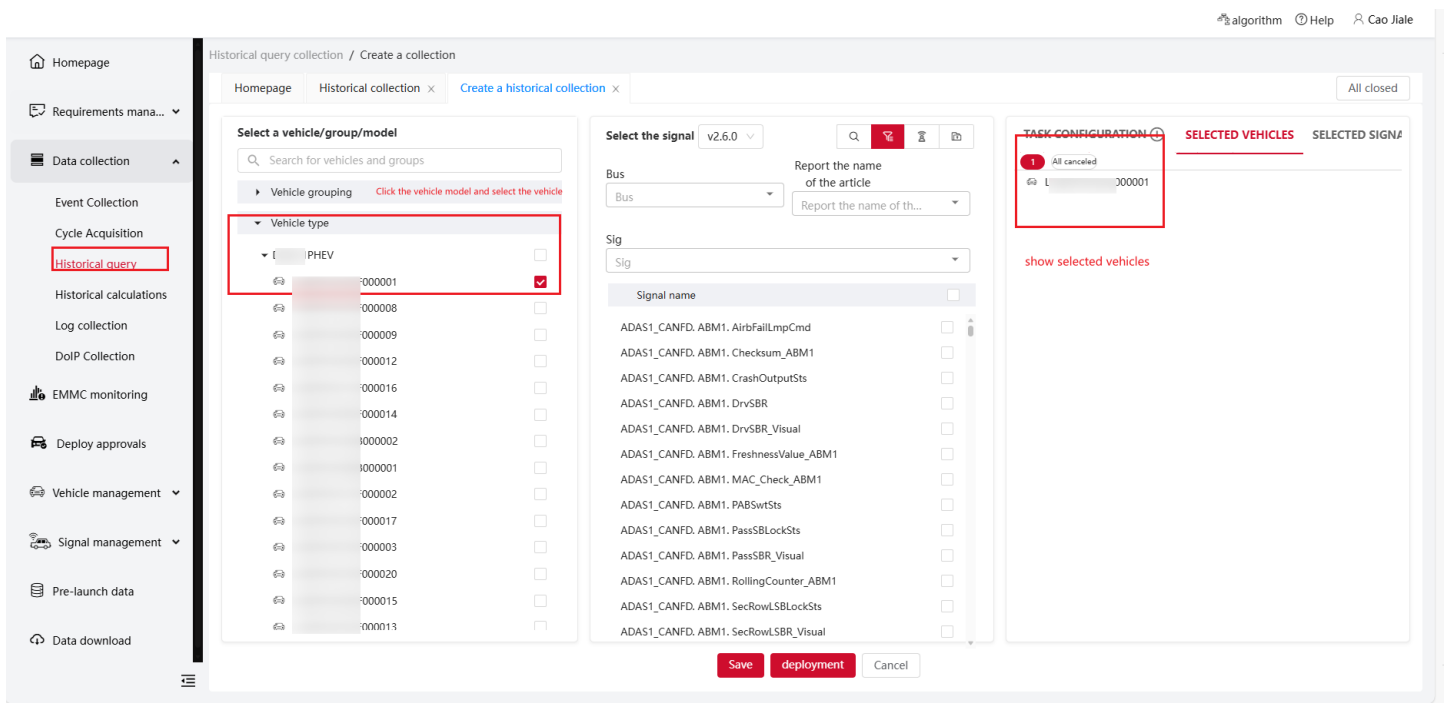
7.1.2 Configure Selected Signals

After selecting a signal, the "Signal Version" selection box will be displayed. Click the drop-down menu to expand the list of released signal versions. Selecting different signal versions allows you to collect signals corresponding to the selected version (which must be consistent with the version of the vehicle-side signal matrix being collected).
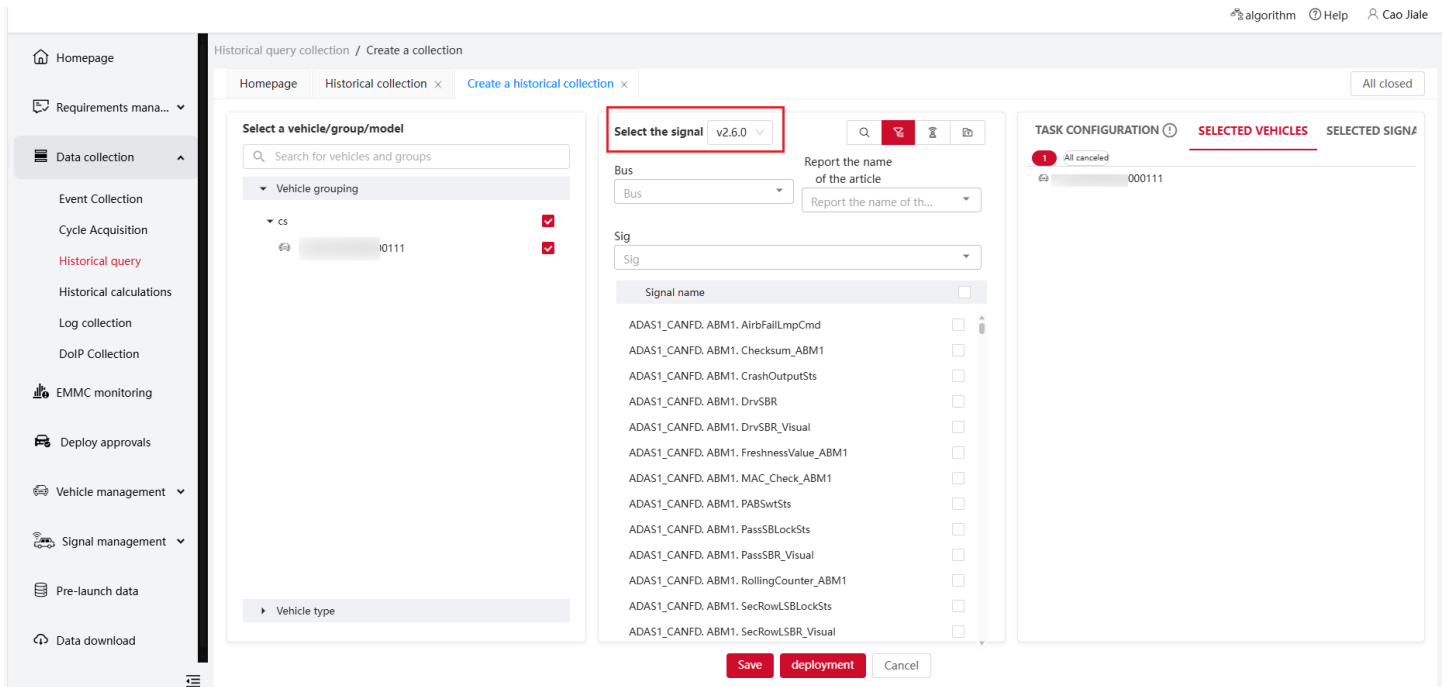
- The selected signal defaults to "Condition Filtered Signal", and the signals that meet all conditions are displayed below.

- Click the signal "checkbox" to select a specific signal; click the "Signal Name" checkbox to select all signals.

- "Selected Signals" displays the checked signals.
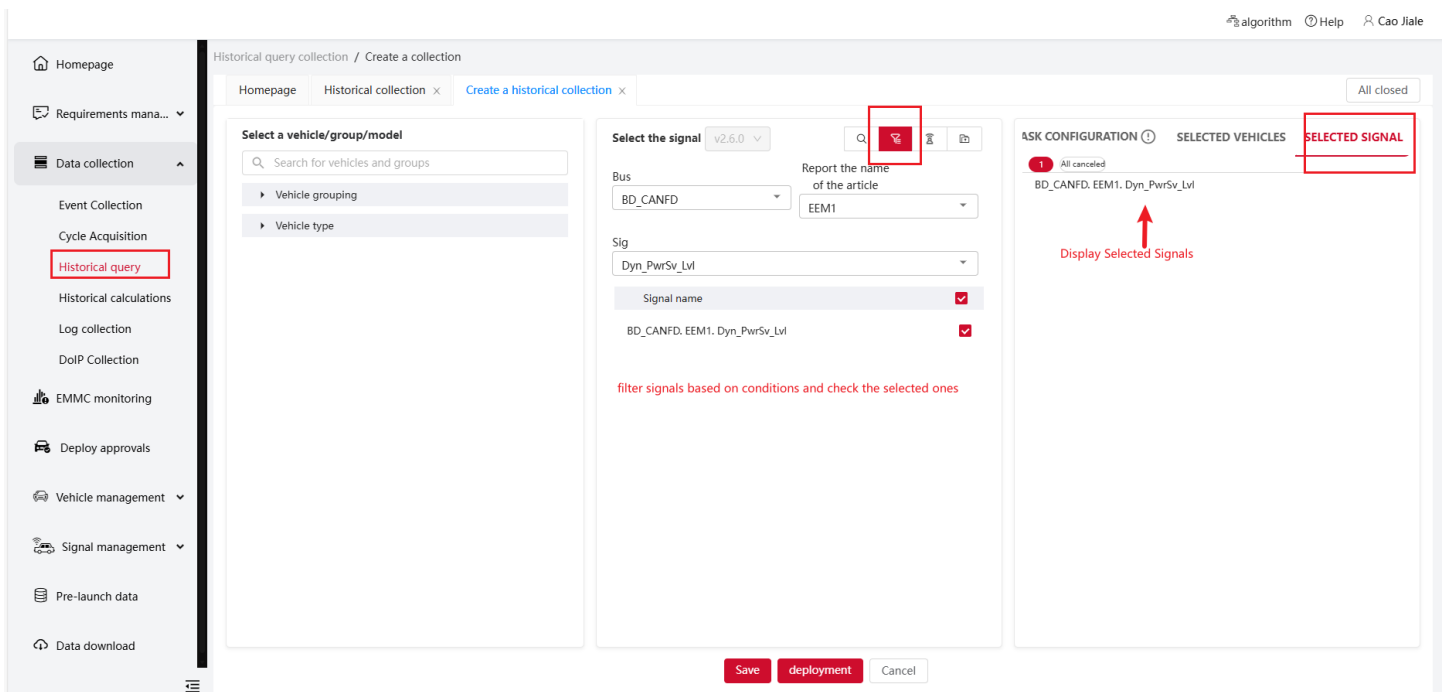
- Click "Signal Grouping" to select signals.

- Click the signal "checkbox" to select a specific signal; click the "Signal Group Name" checkbox to select all signals.

- "Selected Signals" displays the checked signals.
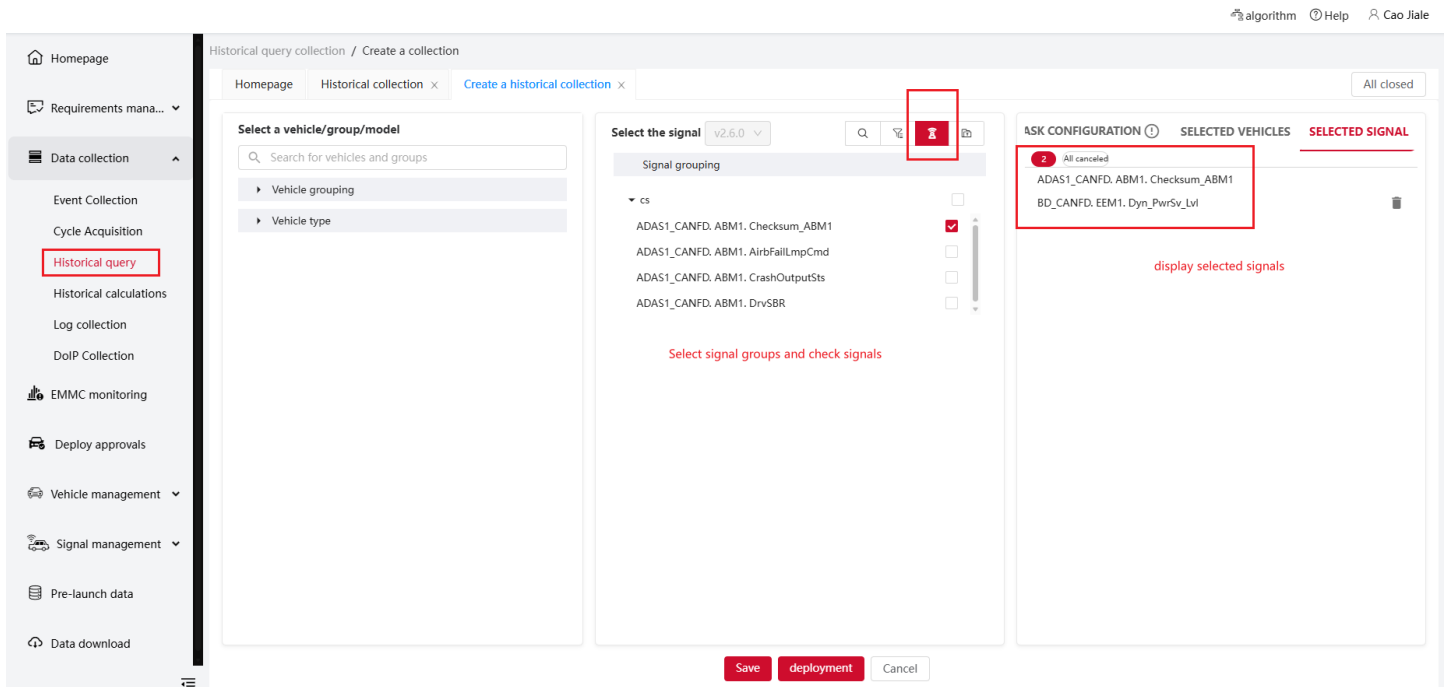
Click the "Search Signals by Signal Name" icon to switch to the corresponding function.

Enter the "Signal Name" in the search box to query the corresponding signal by signal name.
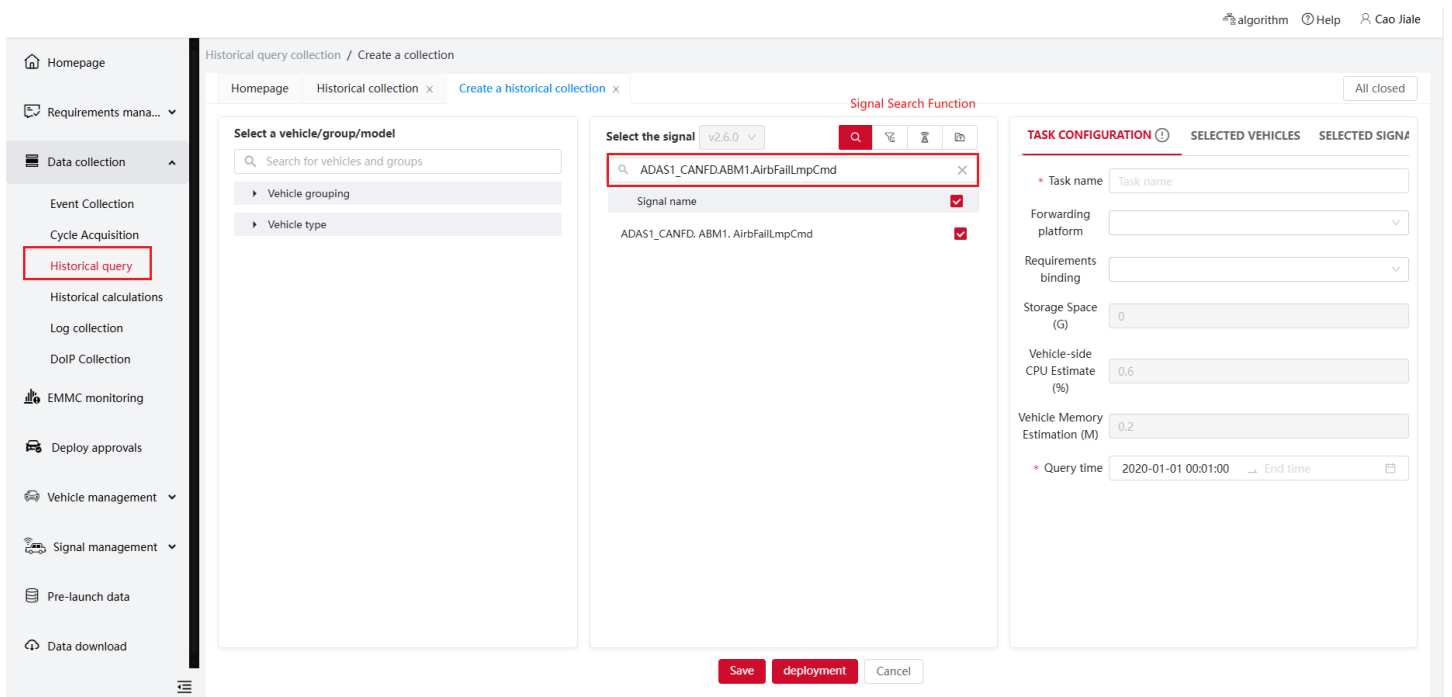
- Click the "Batch Add" icon to open the batch add interface.

- Enter signals separated by commas in the input box, then click "OK" to add signals in batches.
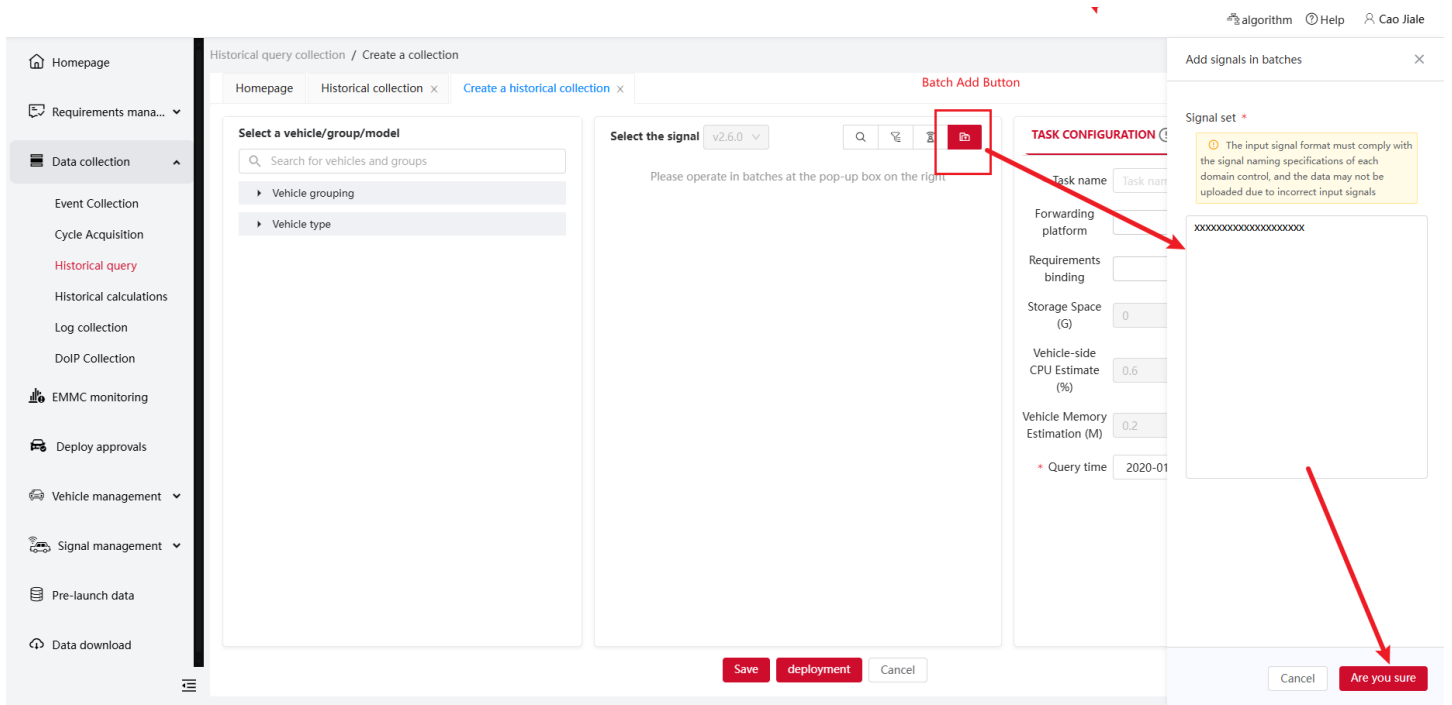
7.1.3 Task Configuration

- Click the "Task Name" input box and enter the task name. It supports Chinese characters, numbers, letters, hyphens and underscores. Task names for data collection cannot be duplicated.

- Click the "Forwarding Platform" selection box to select forwarding platforms. Multiple selections are supported and this field is non-mandatory.

- After selecting vehicles and signals, the storage space, vehicle-side CPU and vehicle-side memory will be calculated and displayed.

- Select the query time. This field is mandatory.
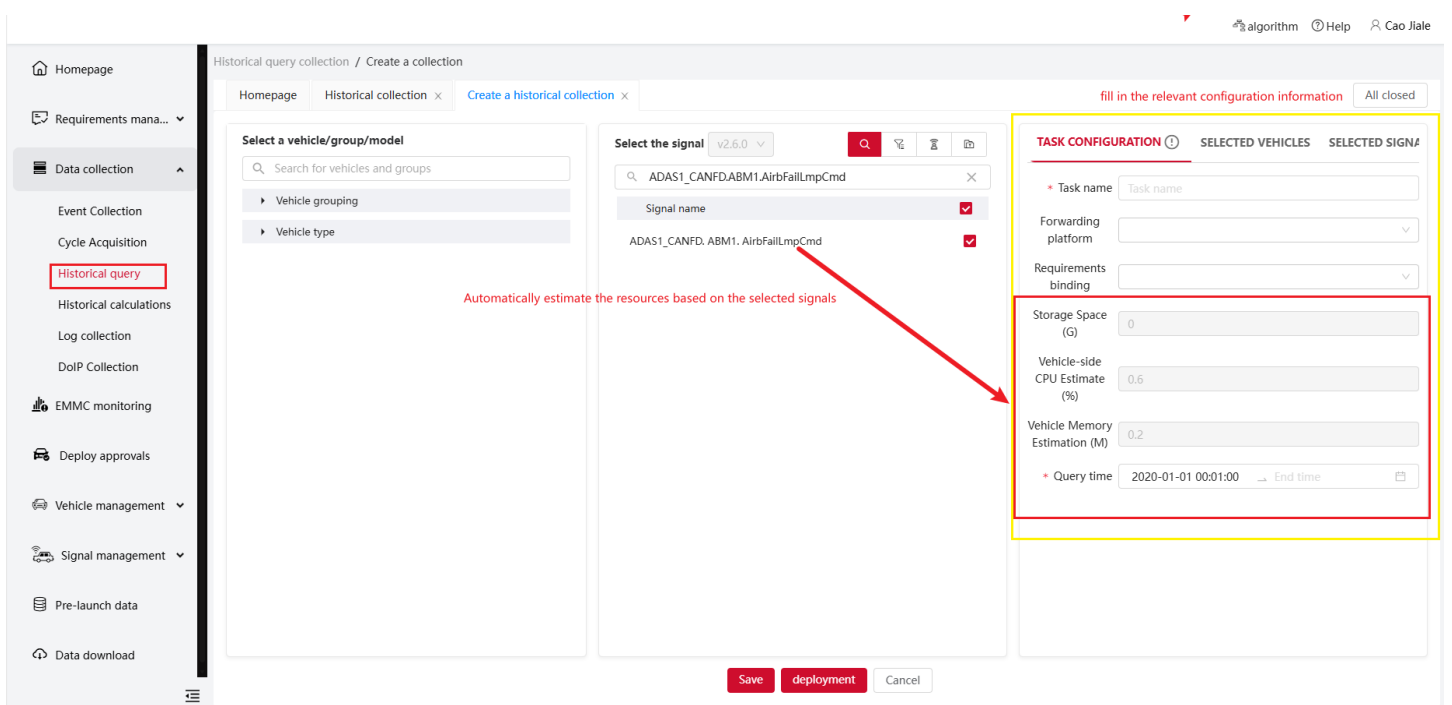
- The "Selected Vehicles" list displays the number of selected vehicles and the "Deselect All" function button on the right side.

- Hover the mouse over an entry in the "Selected Vehicles" list, and a "Delete" button will appear. Click it to remove the selected vehicle, and the corresponding checkbox on the left will be unchecked simultaneously. Click "Deselect All" to clear all vehicle selections.
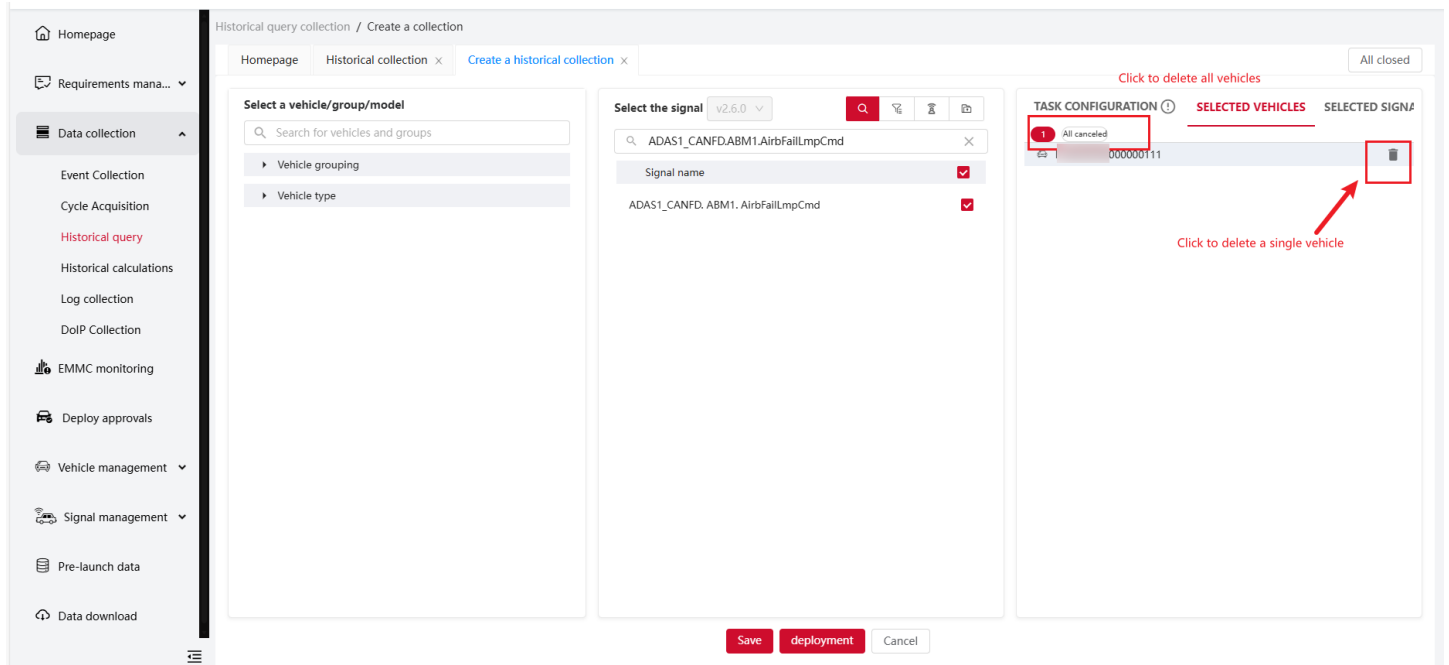
- For the "Selected Signals" list, the number of selected signals and the "Deselect All" function button are displayed on the right side.

- Hover the mouse over an entry in the "Selected Signals" list, and a "Delete" button will appear. Click it to remove the selected signal, and the corresponding checkbox on the left will be unchecked simultaneously. Click "Deselect All" to clear all signal selections.

- After completing the configuration, click the "Save" button to save the data of this periodic collection task. The task will not be distributed or deployed immediately. You can re-enter the page to modify and deploy it later.

- Click the "Deploy" button to submit the task for approval. Once approved, the task will be distributed to the vehicle side.

- Click "Cancel" to exit the collection task creation page without creating the current collection task.
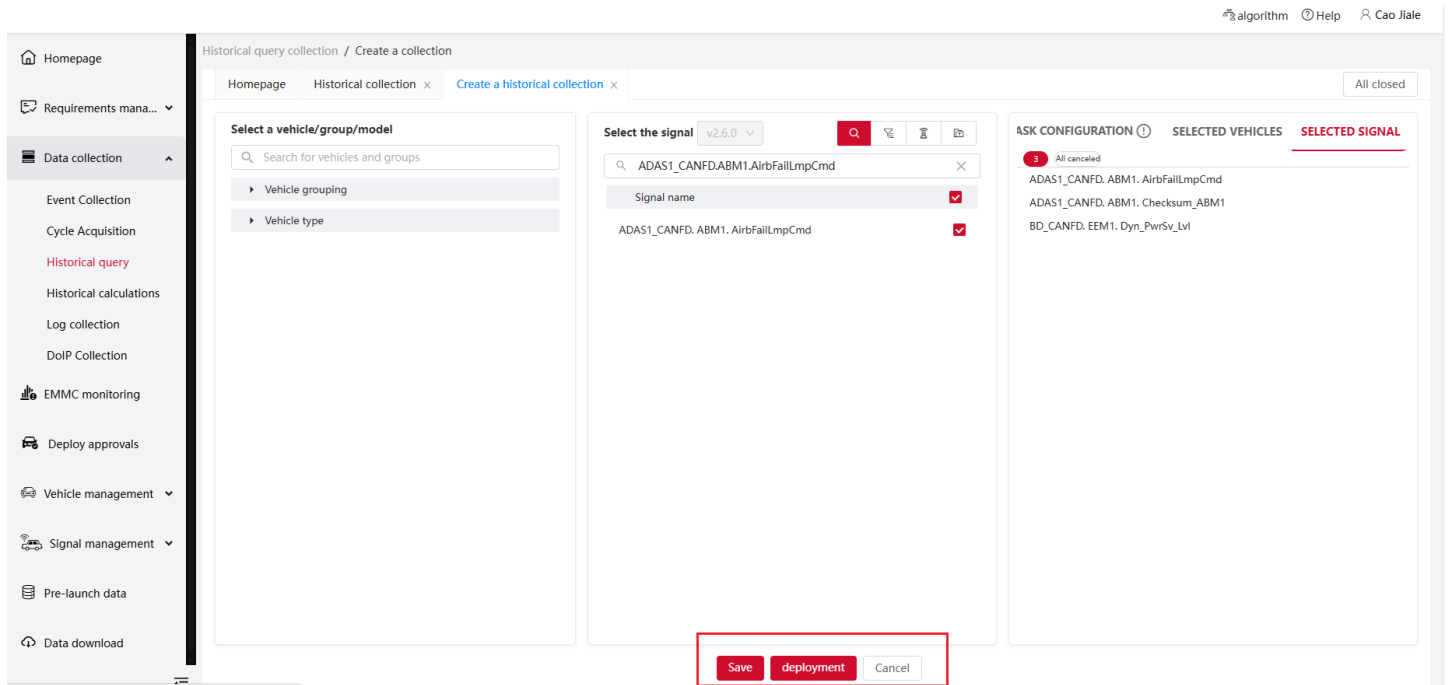
7.2. View Collection Task Details

Click the "Task Name" to view the details of the current collection task:

- Display the selected vehicles, signals and task configurations.

- The task configuration shows the historical collection task name, data parsing version, forwarding platform and query time.

7.3. Collection Task Copy

Select a collection task and click "Copy" to enter the collection task copy page.

- Vehicles and signals can be reselected.

- The forwarding platform and query time can be reconfigured.

- The task name must be modified.

- Click "OK" to submit for approval. After approval, the task will be deployed and distributed to the selected vehicles. If the historical collection algorithm is modified, the algorithm running on the existing vehicles will be overwritten.

7.4. Run Operation

Select a collection task to run it.

- "Run": Rerun the task on all vehicles and update the deployment status.

- Note: Only the task creator is allowed to perform the run operation.

7.5. Secondary Page for Historical Query

Click "Running Process" in the collection task list to enter the data collection secondary page. You can view the deployment status and executable operations of each vehicle under this task, as shown in the figure below:The list displays VIN, Deployment Status, Status Description, Last Execution Time and Operations.

	Homepage	Historical collection ×	Historical collection of running processes ×	Historical calculations ×			All closed

WINE	Deployment status	Status description	Log details	Most recent execution time	operation
GF000021	⊘ Successful operation	The vehicle was successfully run	View	2025-12-16 11:33:25	Download Run

0 items have been selected

1 in total < 1 >

7.5.1 Operation - Run

When the vehicle is in a runnable state, click "Run" to retry the task on the vehicle and update the deployment status.

	Homepage	Historical collection ×	Historical collection of running processes ×	Historical data download ×			All closed

WINE	Deployment status	Status description	Log details	Most recent execution time	operation
000021	⊘ Successful operation	The vehicle was successfully run	View	2025-12-16 11:33:25	Download Run

0 items have been selected

1 in total < 1 >
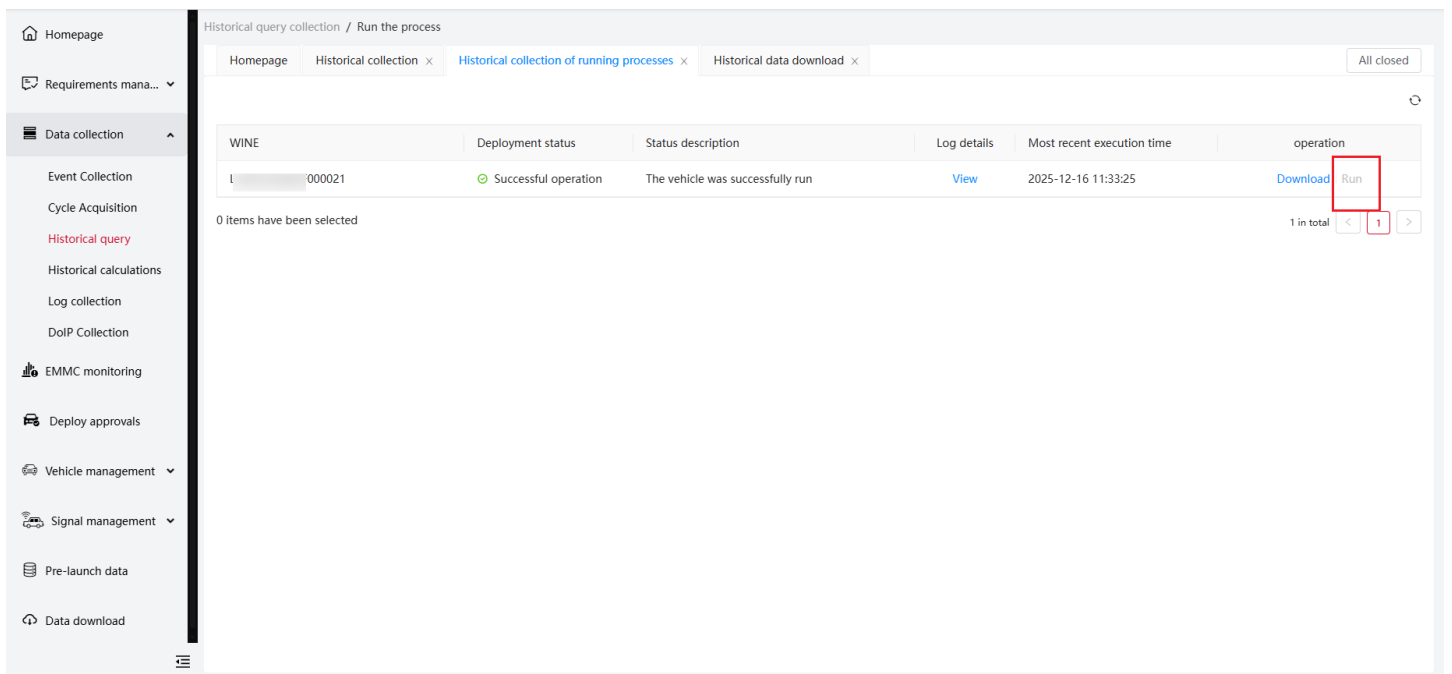
7.5.2 Operation - Download

On the secondary page for historical query, select the vehicle data to be downloaded and click "Download" in the list operations to navigate to the data download page. The page includes a query function bar and a data list, as shown in the figure below:
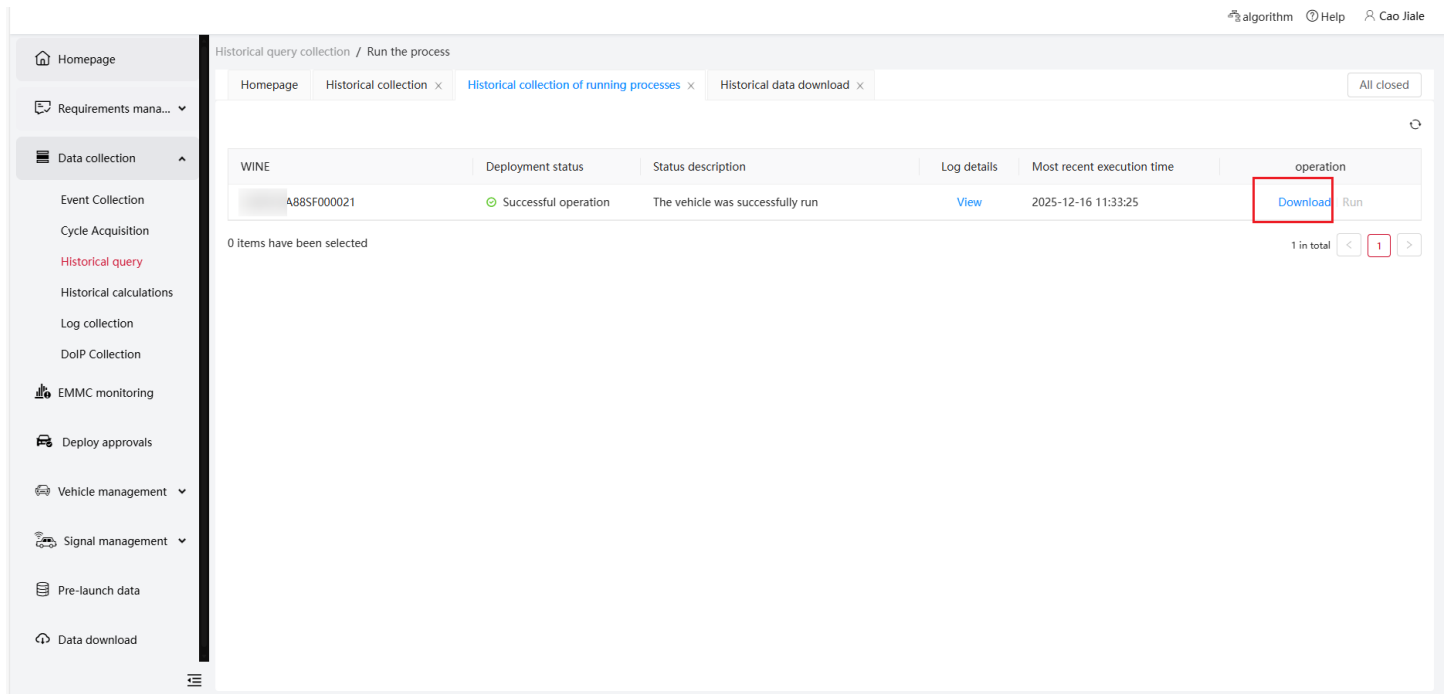
Navigate to this page (the breadcrumb path displays "Data Download"):

- Support filtering by time and VIN. Multiple VIN selections are allowed.

- Batch download selected data by choosing the corresponding download format.

- Available operation: Download.

- Click "Download" in the operation to download the vehicle data.
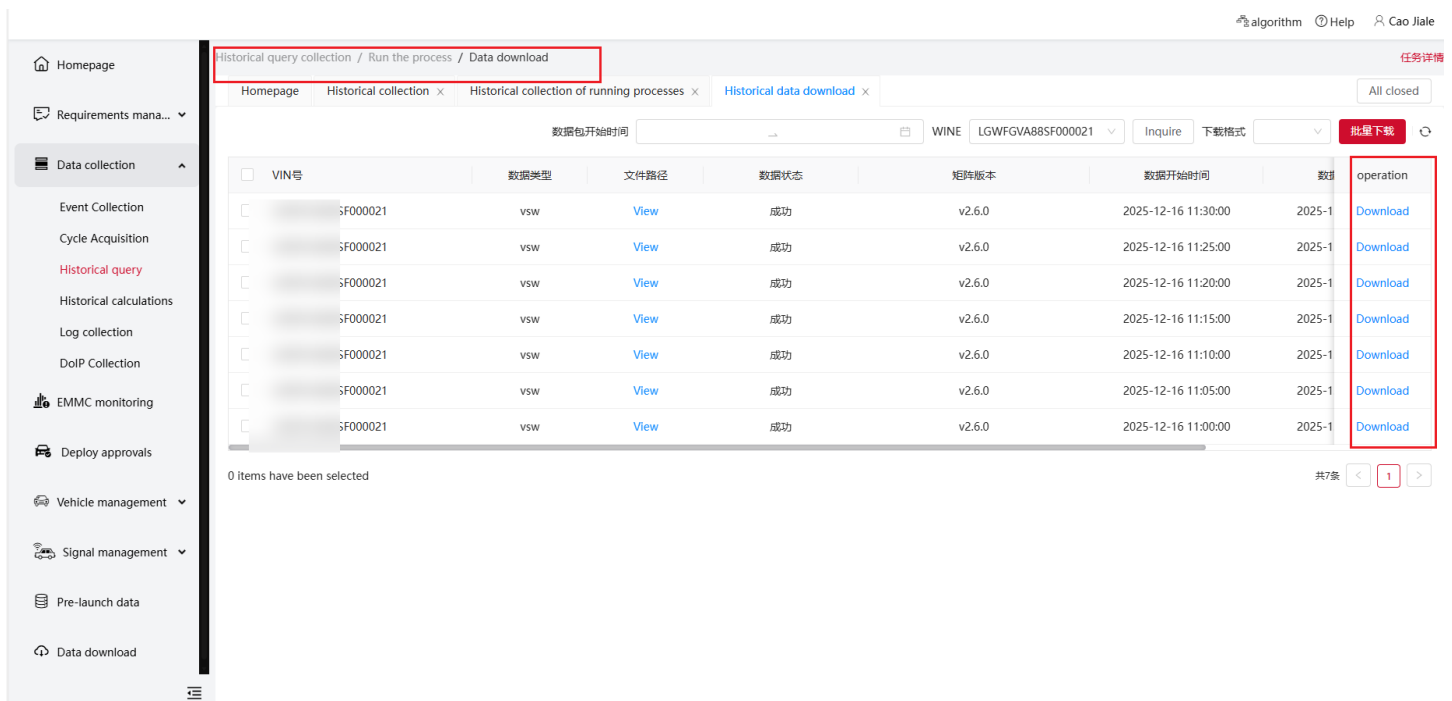
8. Historical Calculation

Historical calculation collection refers to the cloud setting the start and end times for vehicle historical data calculation on demand. After the collection algorithm is distributed to the vehicle

side, the vehicle side calculates the historical data within this period and uploads the calculation results to the cloud.

Note: The event collection function requires creating a historical computing algorithm on the Algorithm Platform.

- Click the list name to redirect to the historical computing collection details page.

- Click the list running status to redirect to the secondary interface for batch operation start/stop.

- Click Create Collection to enter the historical computing collection creation page.

- Click the Refresh button to refresh the list.

- Enter the task name and time to filter historical computing collection tasks.

- For deployed historical computing collections, the column operations include Edit and Copy.

8.1. Create Collection

Click New in the upper right corner to enter the collection creation page, as shown below:

8.1.1 Configure Vehicle Selection

- Directly click the Group Name under the vehicle group to expand the vehicles in the group. Then click the Checkbox to select the vehicles for which data collection will be created.

- Click the Select Vehicles and Groups search box, enter the VIN or group name. The relevant vehicles/groups will be displayed in the list below, which supports fuzzy search.
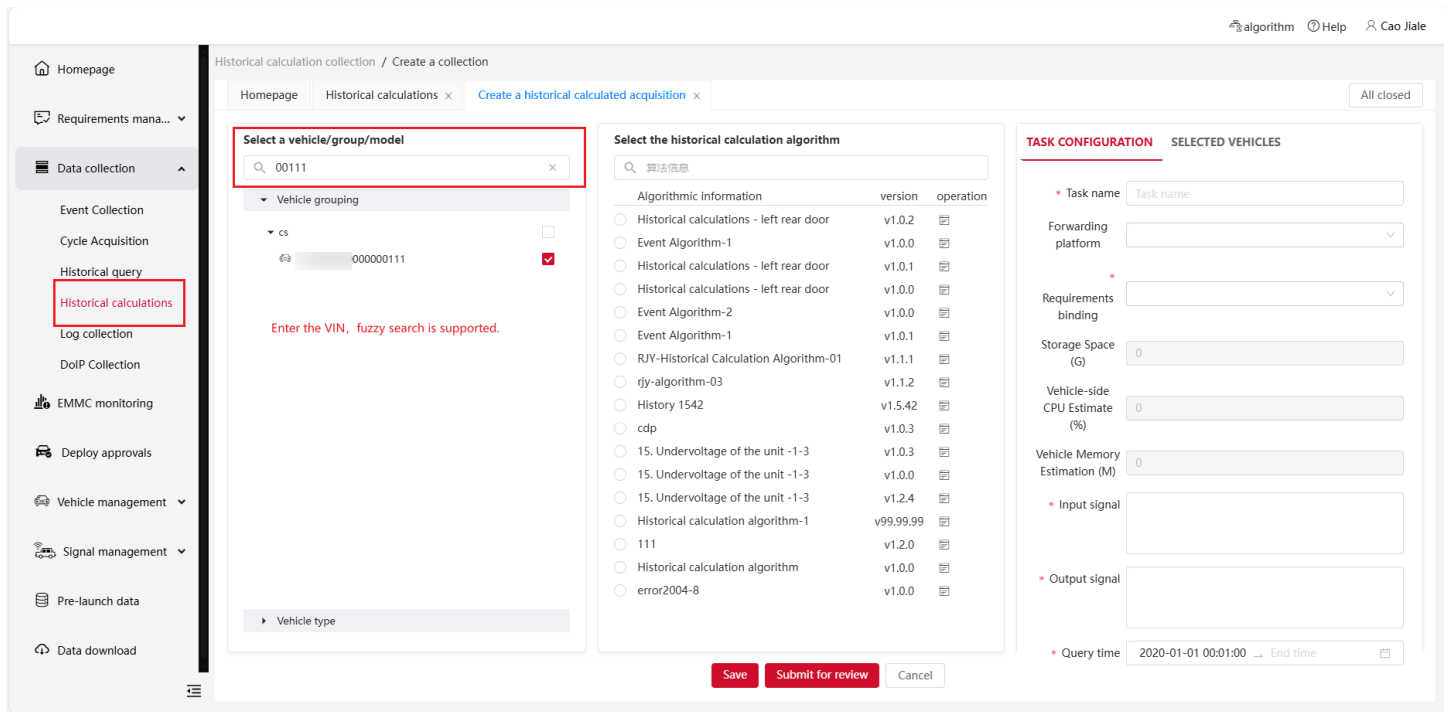
- Click the Checkbox next to the vehicle's VIN to select the vehicle. The selected vehicle will be displayed in the Selected Vehicles section.
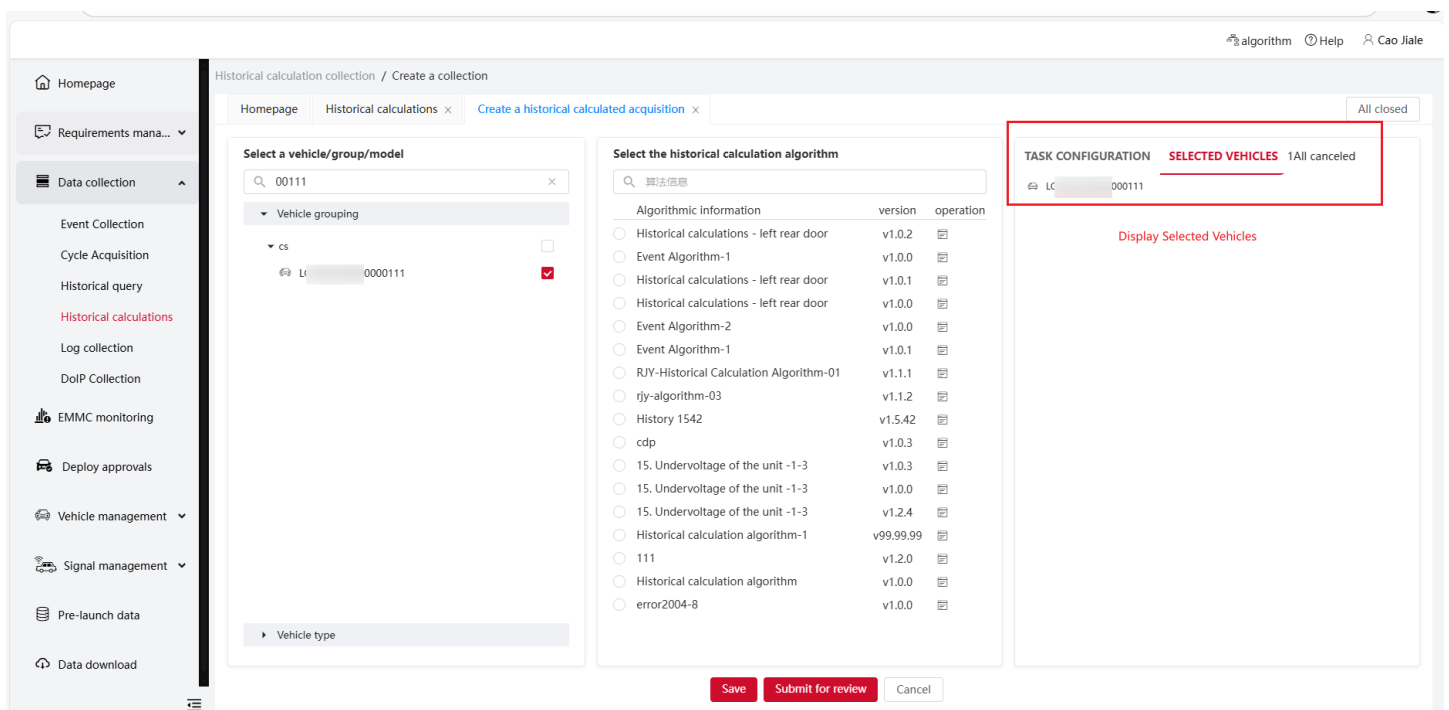
- Click Vehicle Model to expand the vehicle model and series group (not expanded by default). You can select all vehicles under a specific model by checking that model.

Historical calculation collection / Create a collection

Homepage | Historical calculations ✕ | Create a historical calculated acquisition ✕

All closed

Select a vehicle/group/model

00111

▸ Vehicle grouping

▾ Vehicle type

  ▾ D...hina

    ...90000000111 ✓

Click Vehicle Model and check the vehicles.

Select the historical calculation algorithm

算法信息

Algorithmic information	version	operation
Historical calculations - left rear door	v1.0.2	
Event Algorithm-1	v1.0.0	
Historical calculations - left rear door	v1.0.1	
Historical calculations - left rear door	v1.0.0	
Event Algorithm-2	v1.0.0	
Event Algorithm-1	v1.0.1	
RJY-Historical Calculation Algorithm-01	v1.1.1	
rjy-algorithm-03	v1.1.2	
History 1542	v1.5.42	
cdp	v1.0.3	
15. Undervoltage of the unit -1-3	v1.0.3	
15. Undervoltage of the unit -1-3	v1.0.0	
15. Undervoltage of the unit -1-3	v1.2.4	
Historical calculation algorithm-1	v99.99.99	
111	v1.2.0	
Historical calculation algorithm	v1.0.0	
error2004-8	v1.0.0	

TASK CONFIGURATION   SELECTED VEHICLES

* Task name — Task name
Forwarding platform
* Requirements binding
Storage Space (G) — 0
Vehicle-side CPU Estimate (%) — 0
Vehicle Memory Estimation (M) — 0
* Input signal
* Output signal
* Query time — 2020-01-01 00:01:00 _ End time

Save | Submit for review | Cancel

8.1.2 Configure and Select Historical Computing Algorithms

All released versions of event algorithms are displayed in the selection box; you can scroll down to view them.

- The historical computing algorithm selection list displays algorithm information, version number, and algorithm details.

- Click the Checkbox of a historical computing algorithm to select the corresponding event; click the View Description icon in the operation column to check the algorithm's description, creator, and version number.

Historical calculation collection / Create a collection

Homepage | Historical calculations ✕ | Create a historical calculated acquisition ✕

Display all historical computing algorithms

All closed

Select a vehicle/group/model

00111

▸ Vehicle grouping

▸ Vehicle type

Select the historical calculation algorithm

算法信息

Algorithmic information	version	operation
Historical calculations - left rear door	v1.0.2	
Event Algorithm-1	v1.0.0	
Historical calculations - left rear door	v1.0.1	
Historical calculations - left rear door	v1.0.0	
Event Algorithm-2	v1.0.0	
Event Algorithm-1	v1.0.1	
RJY-Historical Calculation Algorithm-01	v1.1.1	
rjy-algorithm-03	v1.1.2	
History 1542	v1.5.42	
cdp	v1.0.3	
15. Undervoltage of the unit -1-3	v1.0.3	
15. Undervoltage of the unit -1-3	v1.0.0	
15. Undervoltage of the unit -1-3	v1.2.4	
Historical calculation algorithm-1	v99.99.99	
111	v1.2.0	
Historical calculation algorithm	v1.0.0	
error2004-8	v1.0.0	

TASK CONFIGURATION   SELECTED VEHICLES

* Task name — Task name
Forwarding platform
* Requirements binding
Storage Space (G) — 0
Vehicle-side CPU Estimate (%) — 0
Vehicle Memory Estimation (M) — 0
* Input signal
* Output signal
* Query time — 2020-01-01 00:01:00 _ End time

Save | Submit for review | Cancel

8.1.3 Task Configuration

- Click the Task Name input box and enter a name. It supports Chinese characters, numbers, letters, hyphens, and underscores. The collection task name must be unique.

- Click the Forwarding Platform selection box to choose forwarding platforms. Multiple selections are supported, and this is an optional field.

- Click the Requirement Binding input box. Requirement binding associates with vehicle models. You need to select a vehicle model first to retrieve the requirement list for that vehicle, then choose the relevant requirement.

- Click the query time selection box to set the query time. This is a required field.

- After selecting vehicles and historical computing algorithms, the storage space, vehicle-side CPU, and vehicle-side memory will be calculated and displayed automatically.

- When a historical computing algorithm is selected, the signals included in that algorithm will be automatically imported into the Signals display box.

- For the Selected Vehicles list, the number of selected vehicles and the Deselect All function button are displayed on the right.

- Hover over an item in the Selected Vehicles list to show the Delete button. Click it to remove the selected vehicle, and the corresponding checkbox on the left will be automatically deselected. Click Deselect All to cancel the selection of all vehicles.

- Click the Save button after configuration to save the data of this historical computing collection task without deploying it. You can re-enter the page later to modify and deploy the task.

- Click the Submit for Review button. The newly created task will appear in the Periodic Collection Management list, where you can view the deployment status and submit it to the platform for review.

- Click Cancel to exit the collection creation page, and the current collection task will not be created.
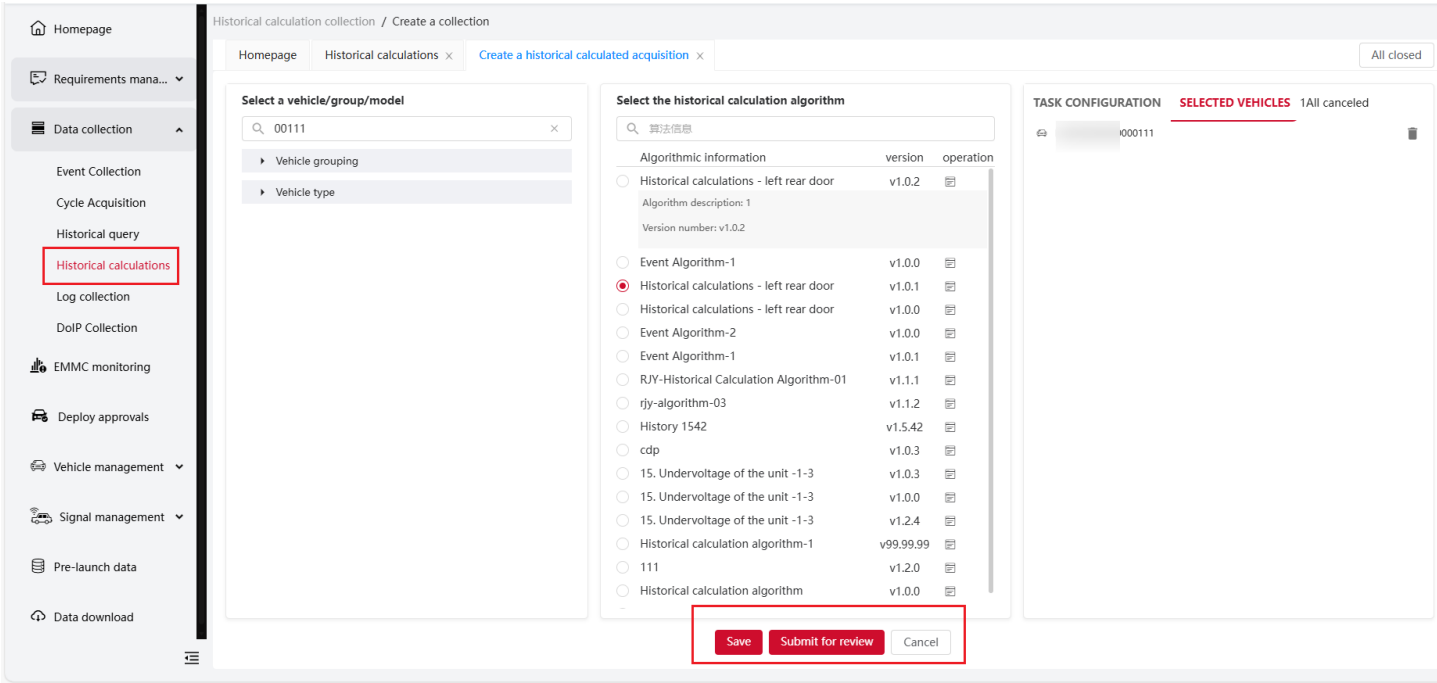
8.2. View Collection Task Details

Click the Task Name to view the details of the current collection task:

- Displays selected vehicles, signals, and task configuration.

- Task configuration includes the task name of the historical computing collection, forwarding platforms, query time, as well as the name, description, creator, and version number of the event algorithm.
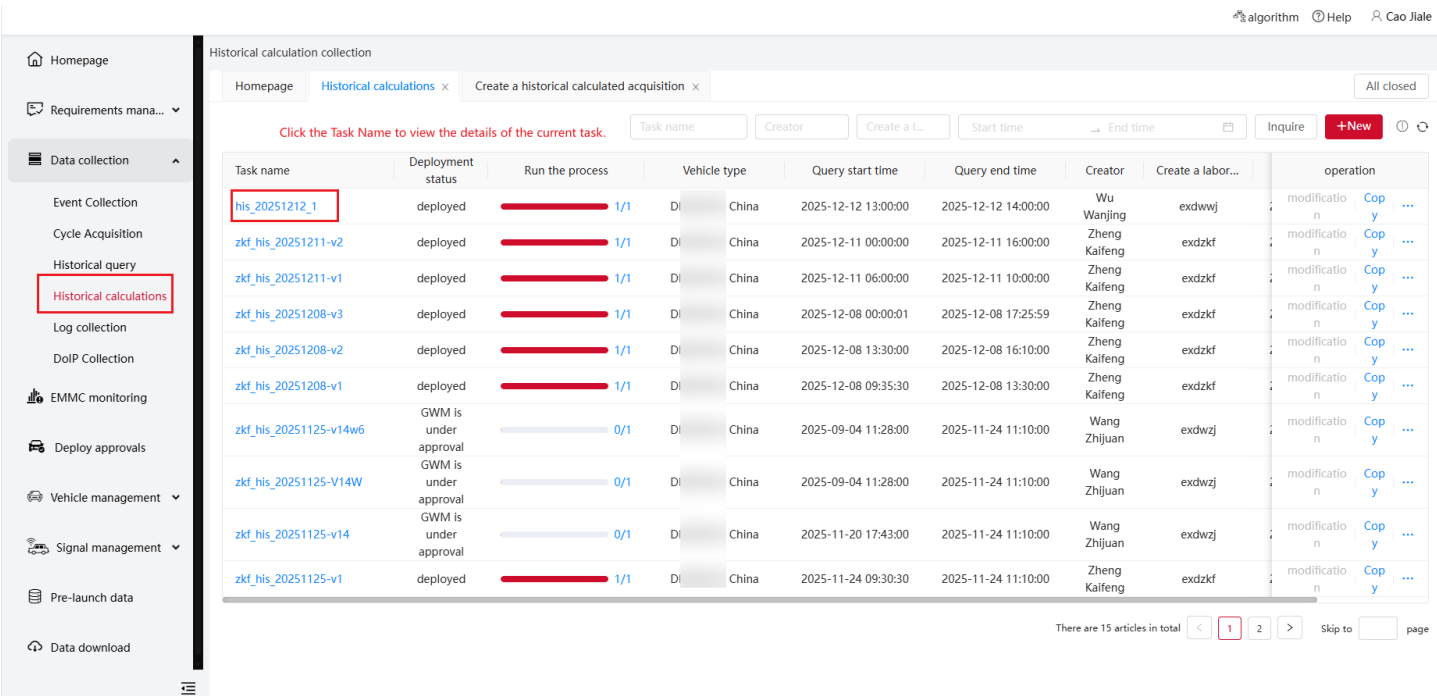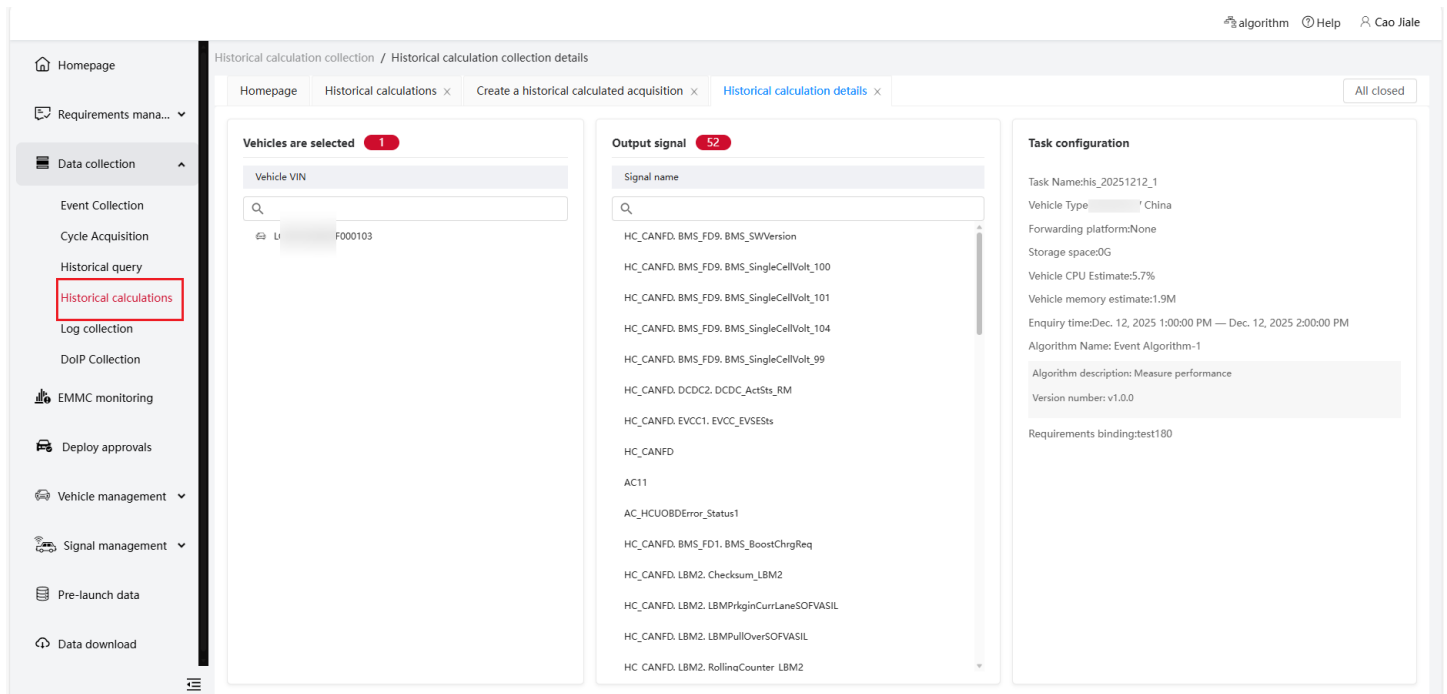
8.3. Copy Collection Task

Select a collection task and click Copy to enter the Copy Collection Task page.

- You can reselect vehicles.

- You can reselect historical computing algorithms, with the original algorithm set as the default.

- The task name must be modified.

- Click Save, and the newly copied collection task will appear in the list with the deployment status marked as Undeployed.

- Click Submit for Review to initiate the approval process. Once approved, the task will be deployed to the selected vehicles. If a new historical computing algorithm is modified, the algorithm running on the original vehicles will be overwritten.

8.4. More Operations "..."

Click "..." in the operation column to access more operations.

1. "Run": Rerun the task on all vehicles and update the deployment status.

2. "Stop": Stop the task on all vehicles and update the deployment status.

3. "Urge Approval": Send a message via the interface to urge the approver to review the task.

4. "Withdraw Approval": Send a message via the interface to withdraw the approval application.

5. "View Status": A dialog box will pop up to display the approval status.

8.4.1 Button Status

- Unsubmitted: The Urge Approval, Withdraw Approval, and View Status functions are not clickable.

- Under GWM Approval: The Urge Approval, Withdraw Approval, and View Status functions are clickable.

- GWM Approved: The View Status function is clickable; Urge Approval and Withdraw Approval are not clickable.

- GWM Rejected: The View Status function is clickable; Urge Approval and Withdraw Approval are not clickable.

- Under Approval: The View Status function is clickable; Urge Approval and Withdraw Approval are not clickable.

- Rejected: The View Status function is clickable; Urge Approval and Withdraw Approval are not clickable.

- Deployed: The View Status function is clickable; Urge Approval and Withdraw Approval are not clickable.

8.5 Secondary Page of Historical Calculation Collection

Click Run in the collection task list to enter the secondary page of Historical Calculation Collection. You can view the deployment status and executable operations of each vehicle under the task (operations are displayed in blue when executable, and grayed out when not executable), as shown in the figure below:

The list displays VIN, Deployment Status, Status Description, Last Execution Time and Operations.

8.5.1 Operation - Run

When the vehicle is in a runnable state, the Retry option in the operations is displayed in blue and clickable.

Click Run to execute the operation for the vehicle and update its deployment status.
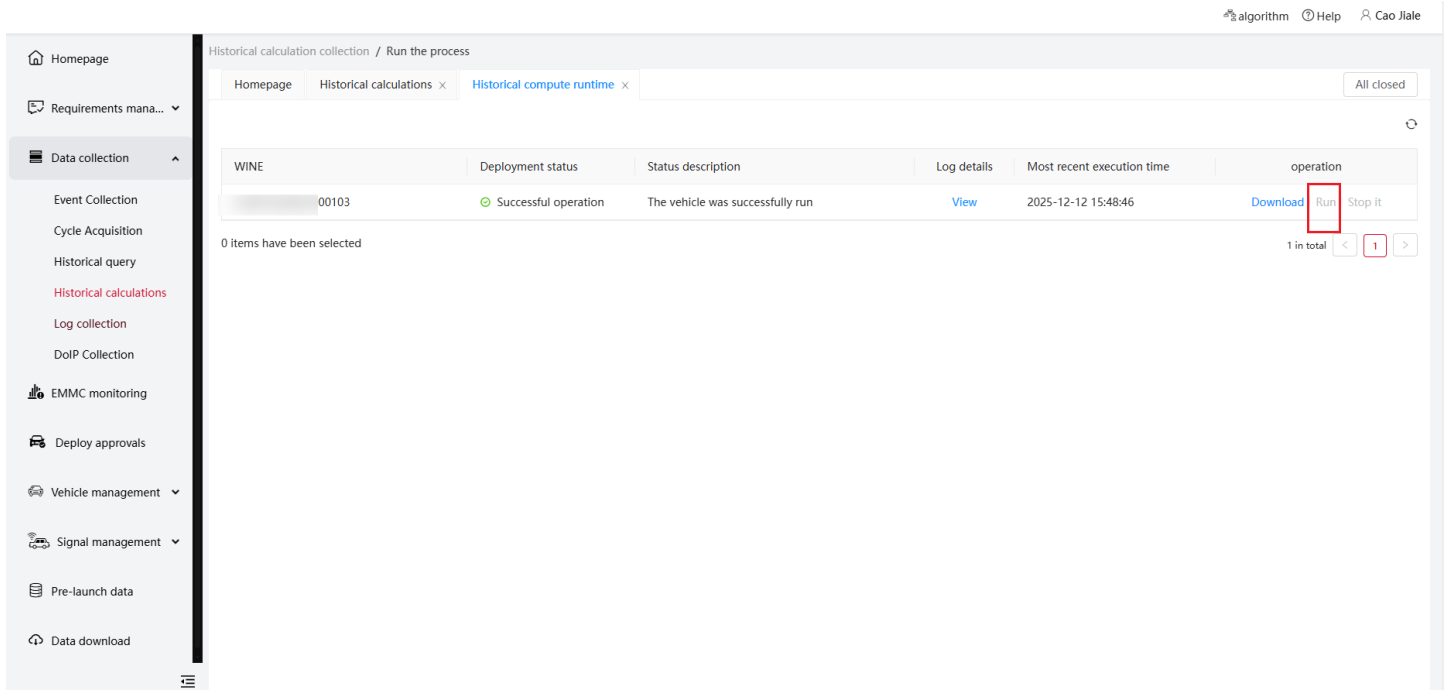
8.5.2 Operation - Stop

When the vehicle is in a stoppable state, the Stop option in the operations is displayed in blue and clickable.

Click Stop to halt the operation for the vehicle and update its deployment status.
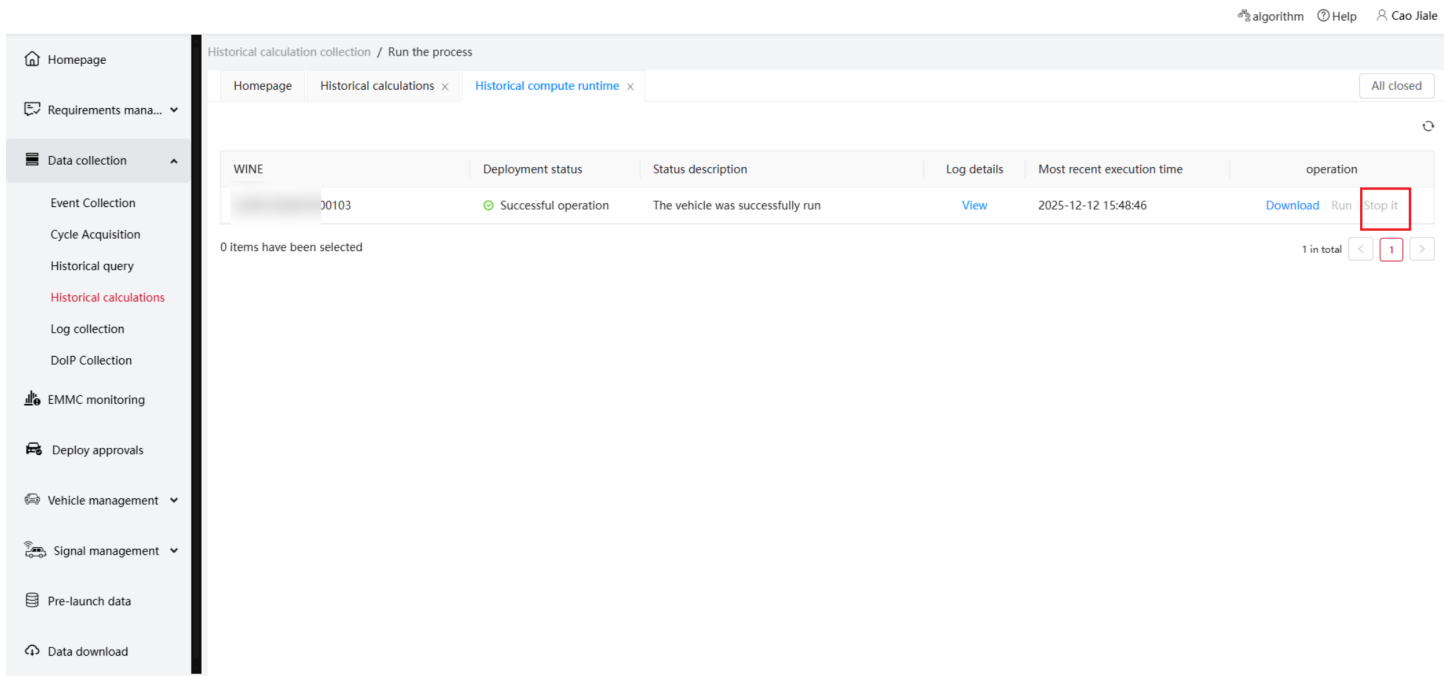
8.5.3 Operation - Download

On the secondary page of Historical Calculation Collection, select the vehicle data you want to download and click Download in the list operations. You will then be redirected to the data download page, which includes a query function bar and a data list, as shown in the figure below:
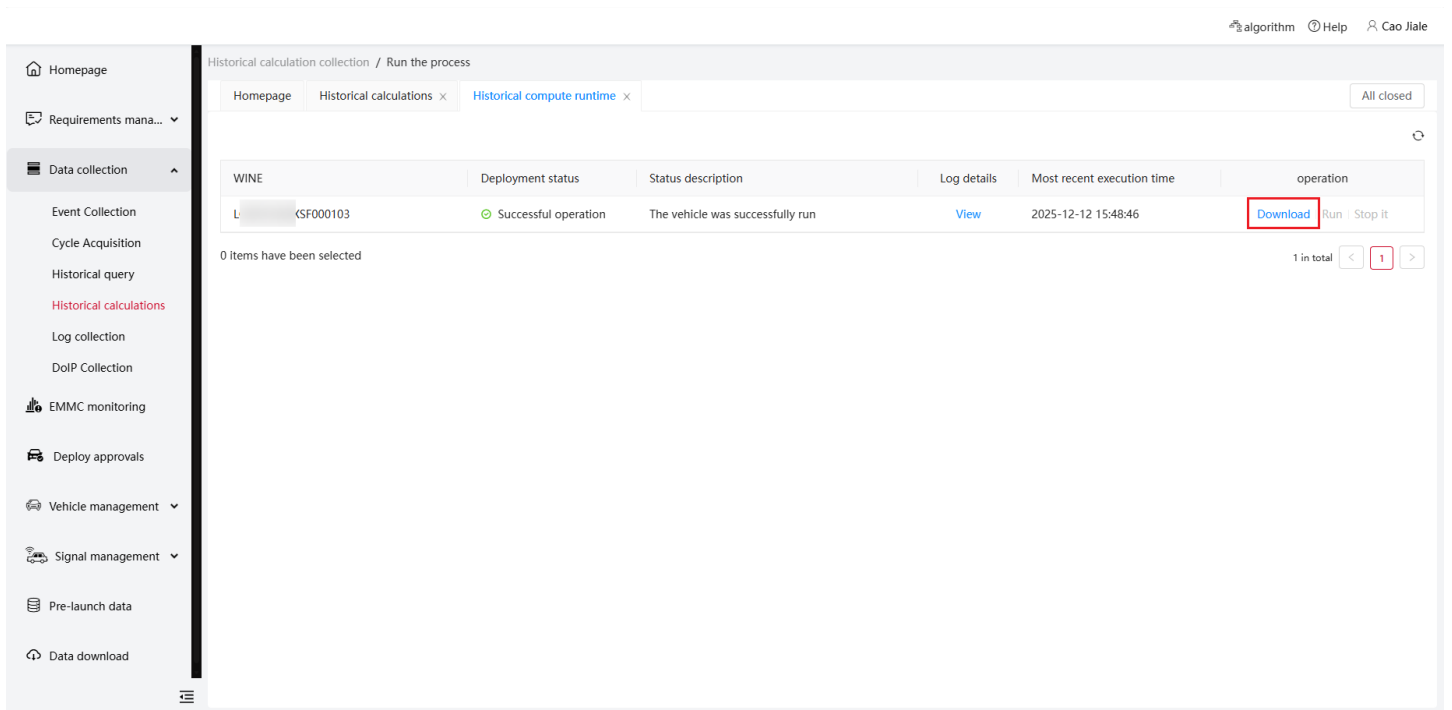
You will be redirected to this page (the breadcrumb path displays Data Download):

- Time and VIN filtering are supported, and multiple VINs can be selected.

- Batch download of selected data is available. Select the corresponding download format.

- The operation is: Download.

- Click Download in the operations to download the vehicle data.
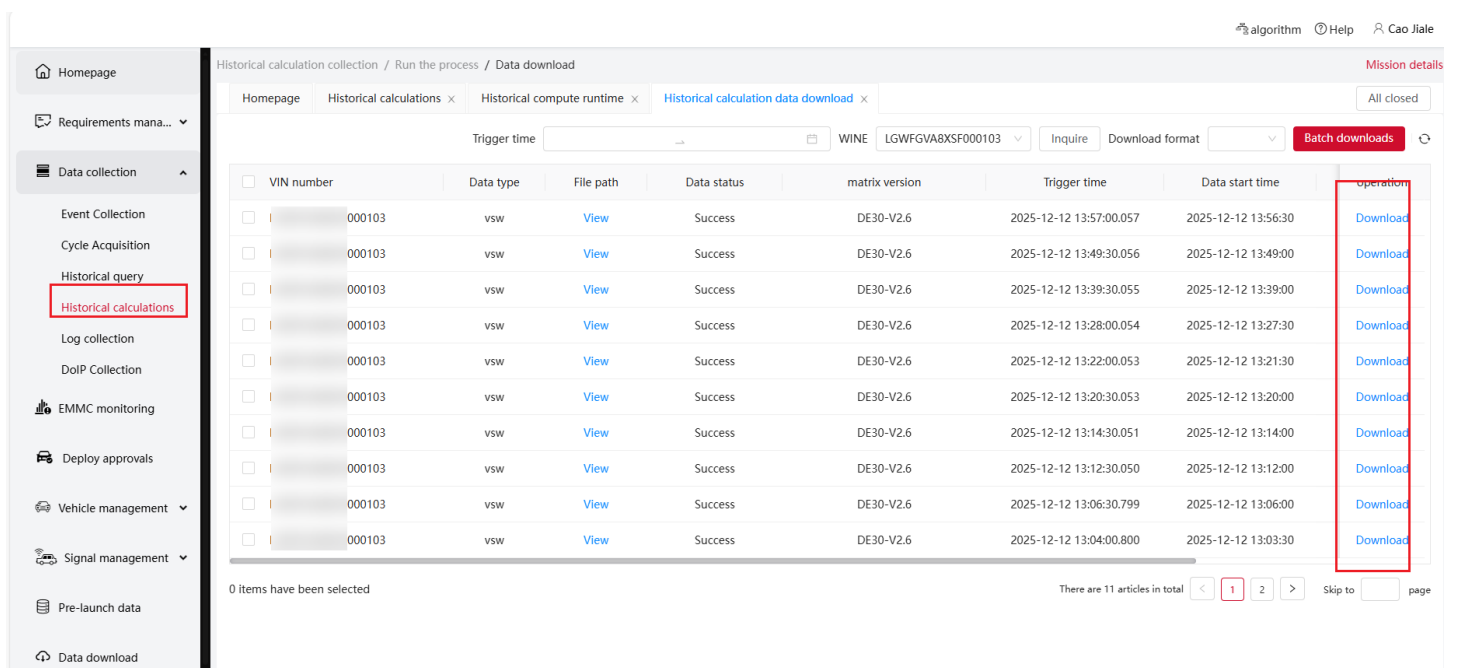
9. Log Collection

Log collection refers to the collection of vehicle-end log data by users based on business requirements or problem investigation. Users set the time range for log collection, distribute the

log collection rules to the vehicle end, and the vehicle end uploads the vehicle-end log data within this time range to the cloud.
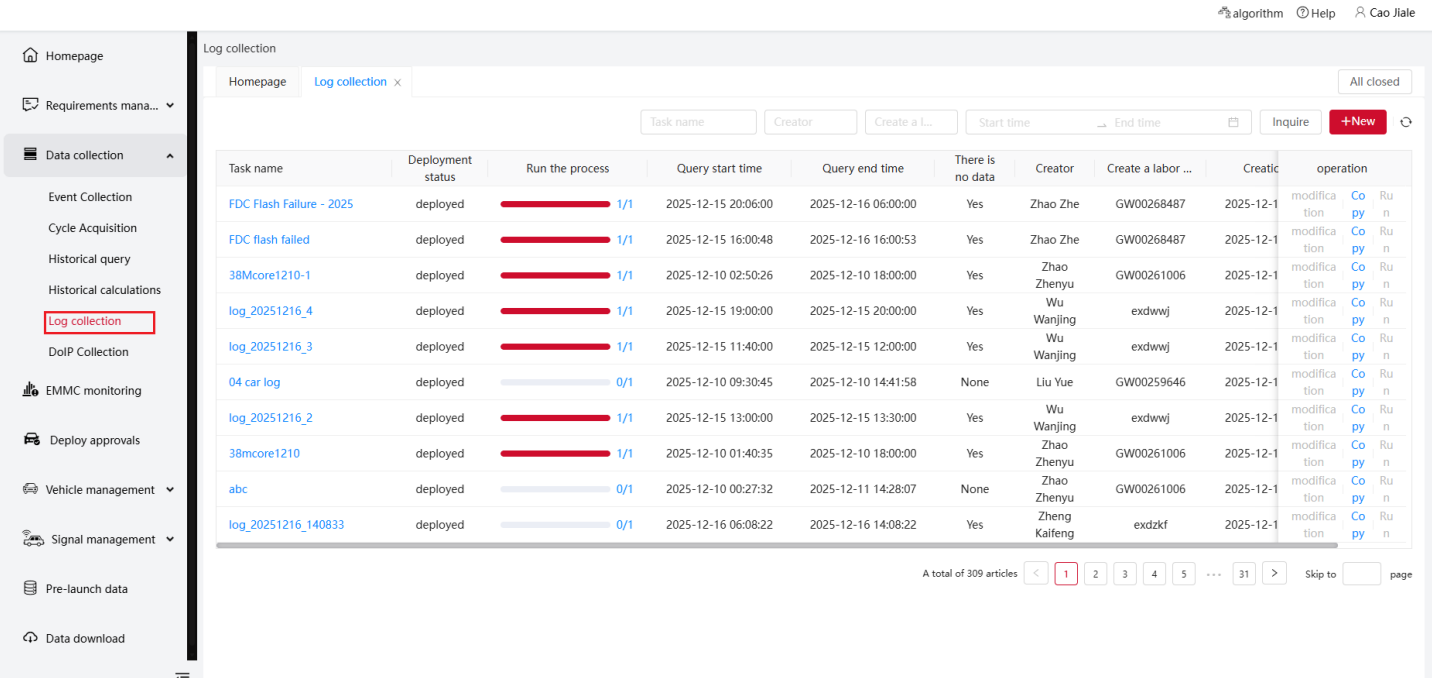
1. Clicking the list name redirects to the Log Collection Details page.

2. Clicking the list Deployment Status redirects to the secondary interface.

3. Click Create Collection to enter the Log Collection Creation page.
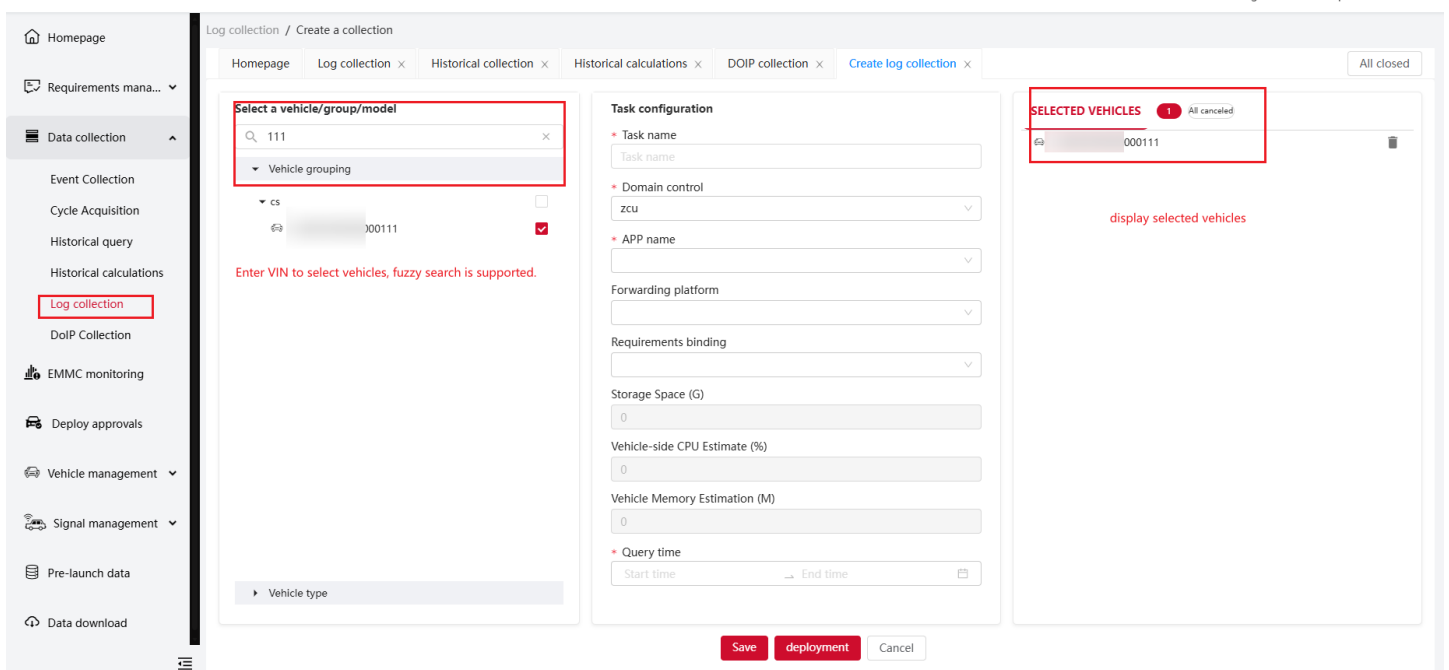
4. Click the Refresh button to refresh the list.

5. Enter the task name and time to filter log collection tasks.

6. The operation in the list items is Copy.

7. Draft: Copy is clickable; Edit, Run are grayed out and unavailable.

8. Deployed: Copy is clickable; Edit, Run are grayed out and unavailable.

9.1 Create Collection

Click New in the upper right corner to enter the Create Collection page, as shown below:

9.1.1 Configure Vehicle Selection

- Click the Group Name directly under the vehicle group to expand the vehicles in that group. Then click the checkbox to select the vehicles for which log collection is to be created.

- Click the Select Vehicles and Groups search box, enter the VIN or group name. The matching vehicles or groups will be displayed in the list below, with fuzzy search supported.
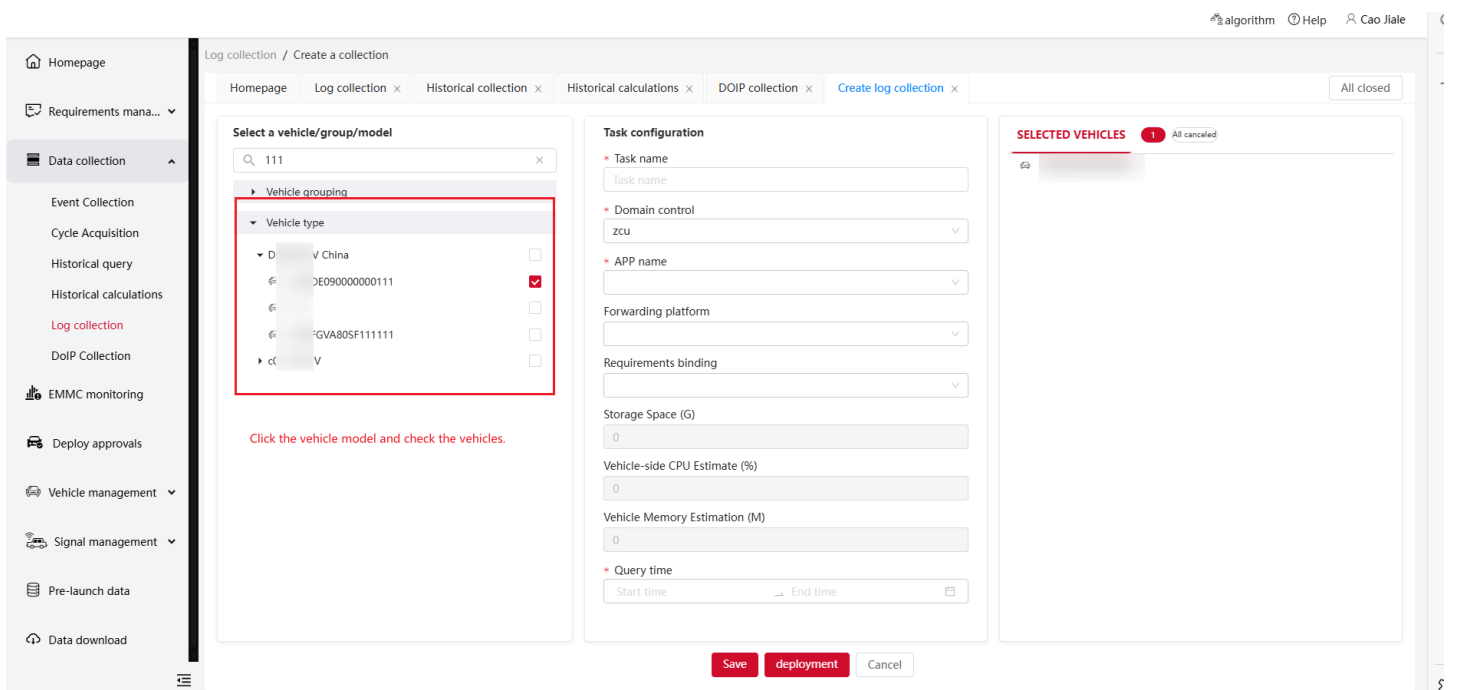
- Click the checkbox next to the vehicle VIN to select the vehicle. The selected vehicles will be displayed in the Selected Vehicles section.
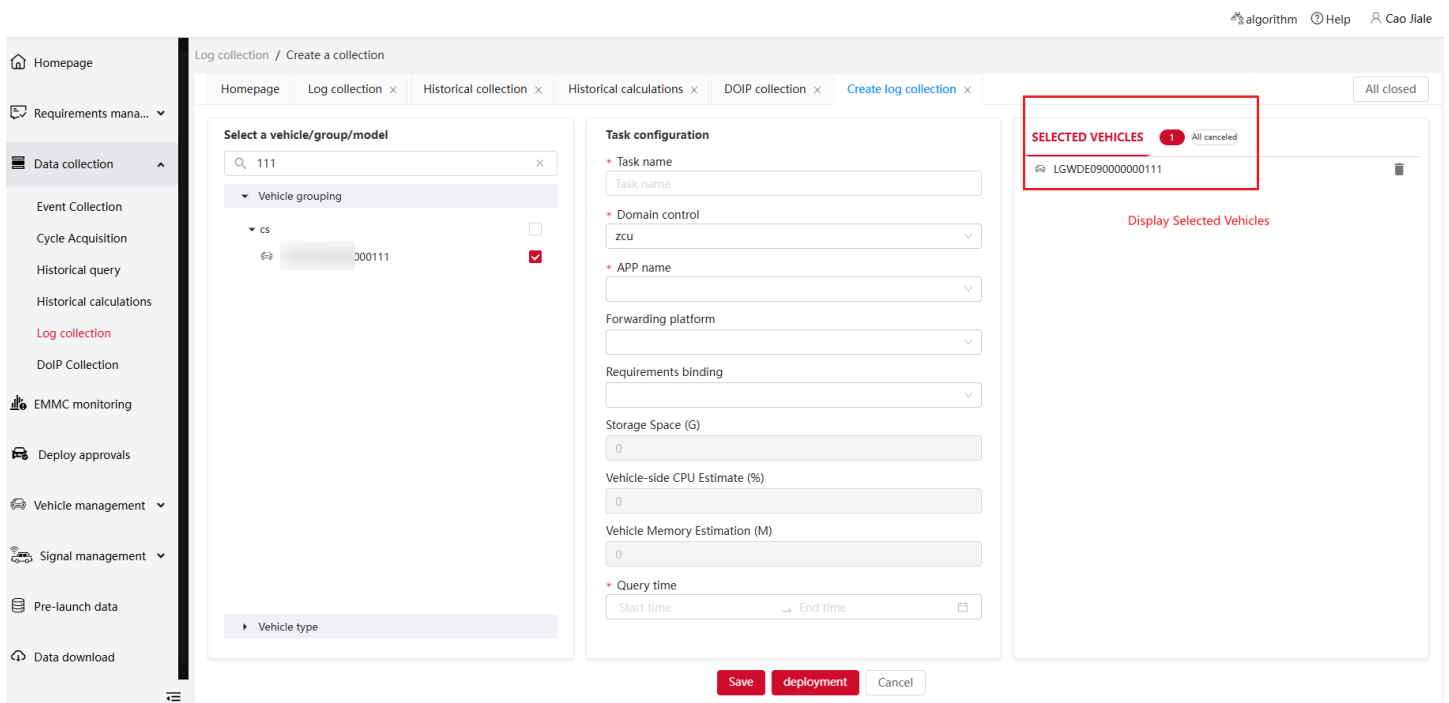

- Click Vehicle Model to expand the vehicle model and series group (collapsed by default). You can select all vehicles under a specific model by checking the box for that model.
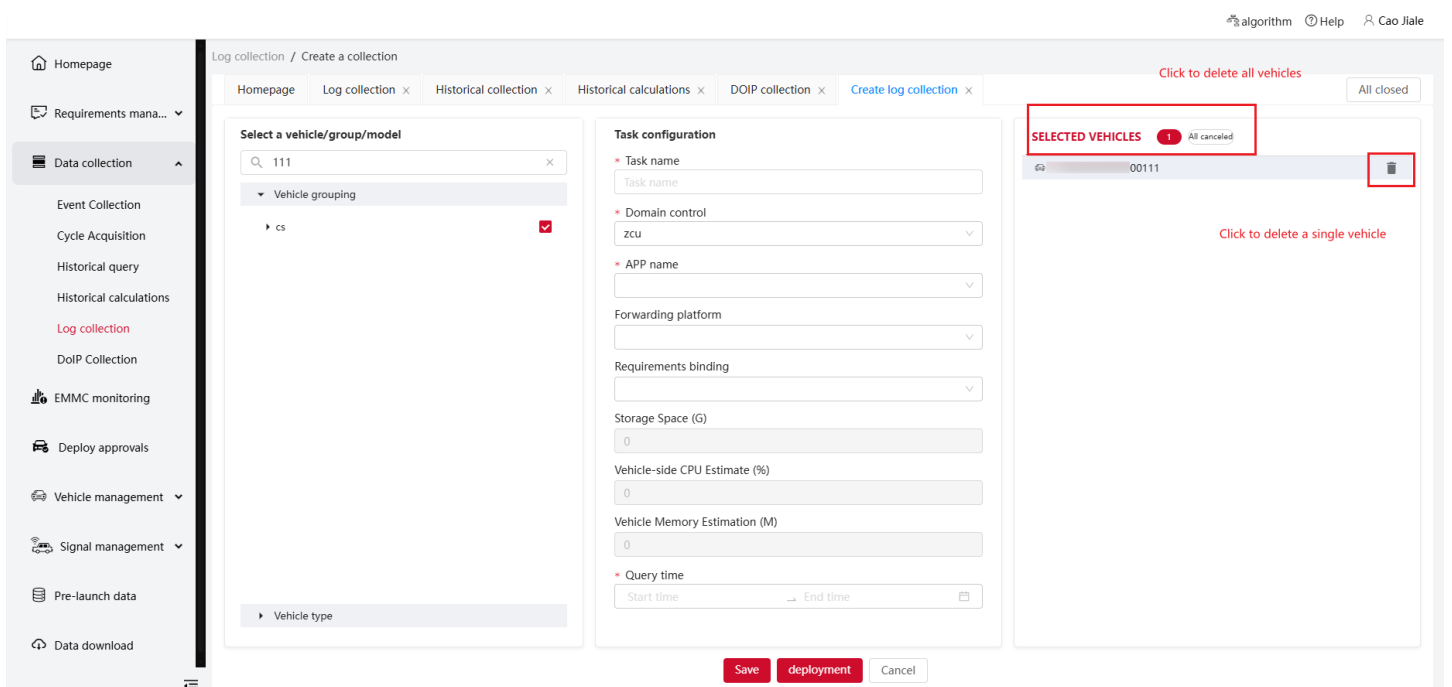
9.1.2 Task Configuration

- Click the Task Name input box and enter a task name. It supports Chinese characters, numbers, letters, hyphens and underscores. Task names for collection cannot be duplicated.

- Click the Domain Controller selection box. It supports ZCU and SOME/IP, and this is a mandatory field.

- If ZCU is selected, click the APP Name selection box. Multiple selections are supported, and this is a mandatory field.

- If SOME/IP is selected, click the Log Type selection box to choose log types. Multiple selections are supported, and this is a mandatory field.

- If SOME/IP is selected, click the ECU selection box to choose ECUs. Multiple selections are supported, and this is a mandatory field.

- Click the Forwarding Platform selection box to choose forwarding platforms. Multiple selections are supported, and this is an optional field.

- To bind requirements to associated vehicles, you need to select vehicles first. Then obtain the requirement list for the selected vehicle models and choose requirements. This is an optional field.

- After selecting vehicles, the system will calculate and display the storage space, vehicle-end CPU usage and vehicle-end memory usage.

- Click the Query Time selection box to set the query time. This is a mandatory field.
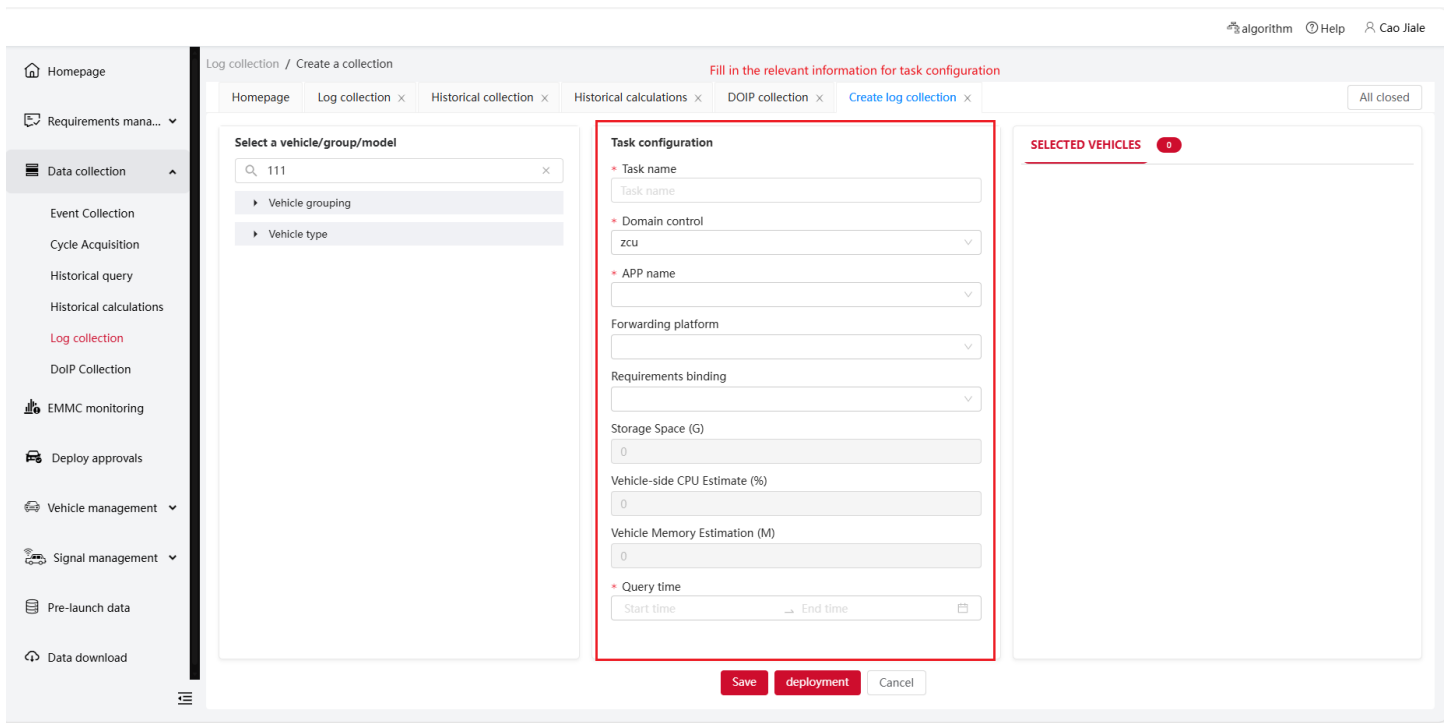
- In the Selected Vehicles list, the number of selected vehicles and the Deselect All function button are displayed on the right side.

- Hover the mouse over an entry in the Selected Vehicles list, and a Delete button will appear. Click this button to remove the selected vehicle, and the corresponding checkbox on the left side will be unchecked simultaneously. Click Deselect All to cancel the selection of all vehicles.

- After completing the configuration, click the Save button to save the data of this periodic collection task. The task will not be distributed or deployed. You can re-enter the page to modify and deploy the task later.

- Click the Deploy button to submit the task for approval. Once approved, the task will be distributed to the vehicle end.

- Click Cancel to exit the collection creation page without creating the current collection task.

9.2 View Collection Task Details

Click the Task Name to view the details of the current collection task:

- Displays the selected vehicles, time configuration and task configuration.

- The task configuration section shows the log collection task name, log type, ECU and forwarding platform.

9.3 Collection Copy

Select a collection task and click Copy to enter the collection copy page.

- You can reselect vehicles.

- You can reselect the domain controller, log type, ECU, forwarding platform and query time.

- The task name must be modified.

- Click Deploy to submit for approval. Once approved, the task will be deployed and distributed to the selected vehicles.
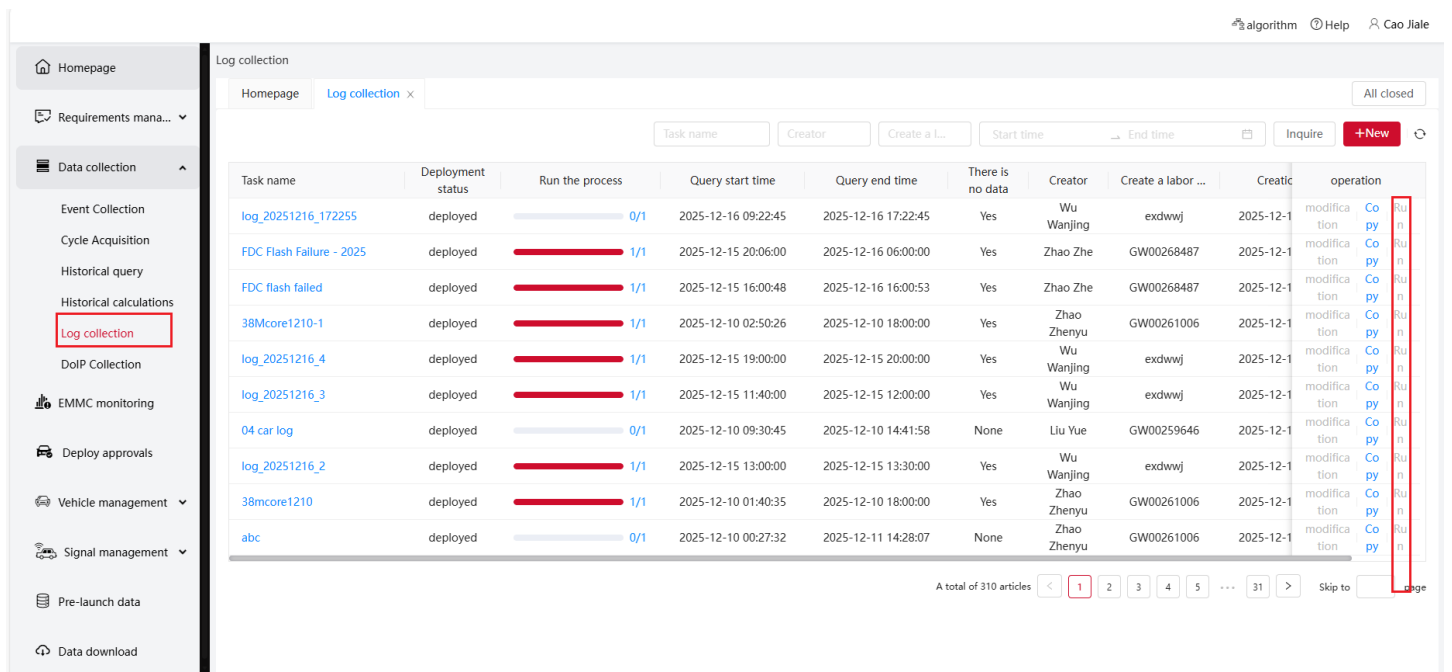

Enter the collection copy page
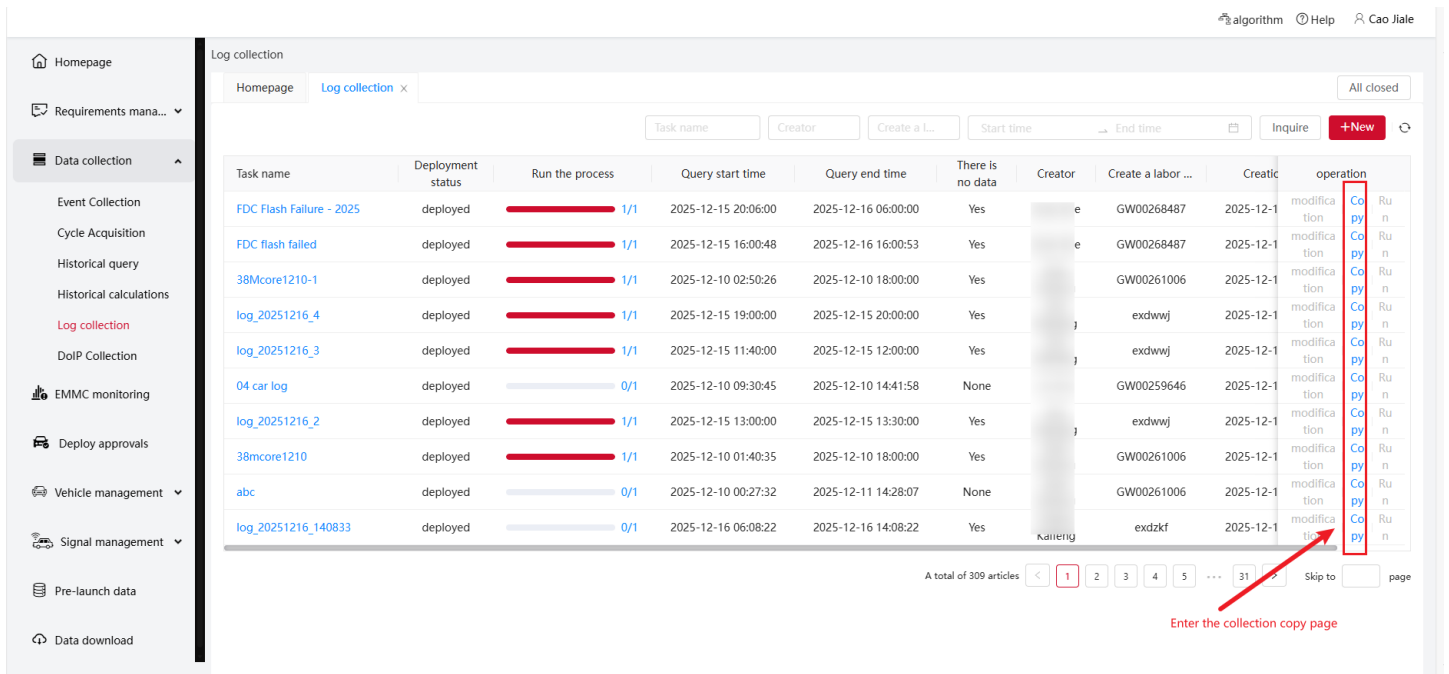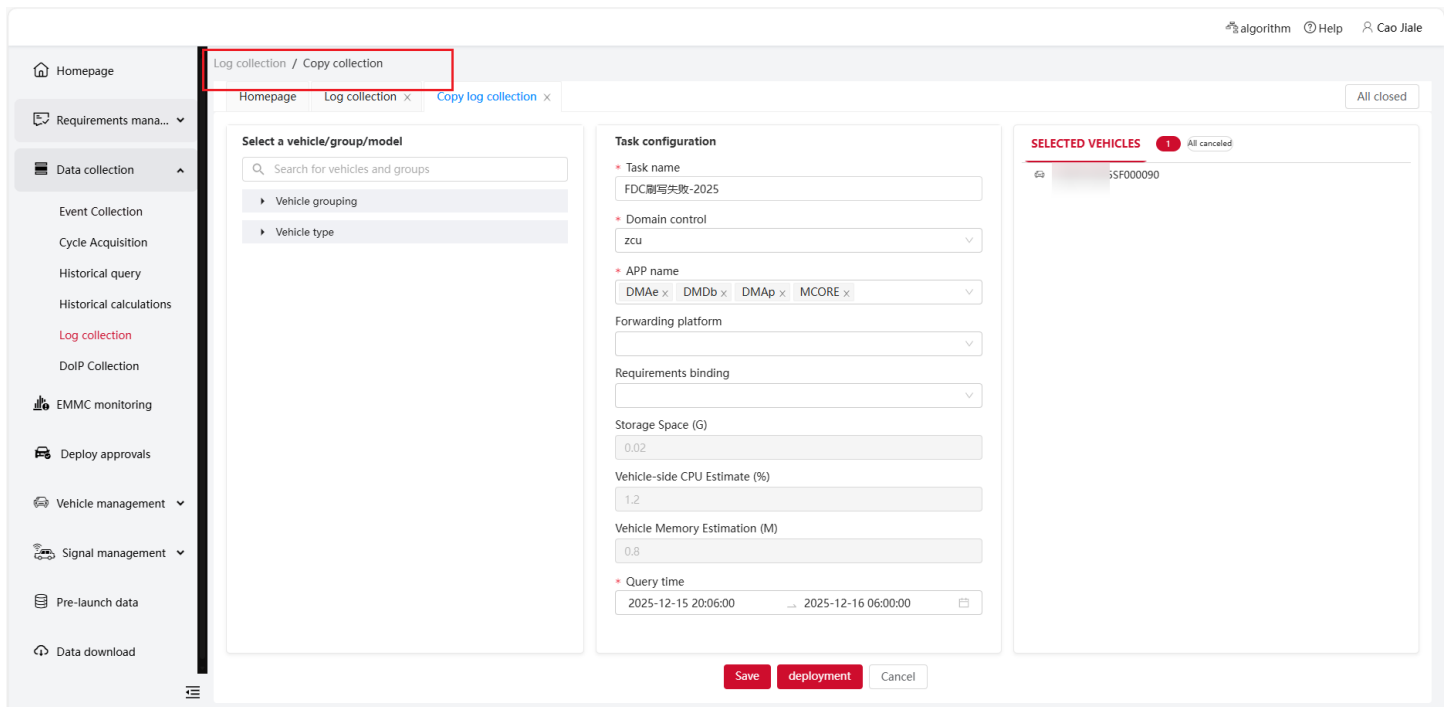
9.4 Run Operation

Select a collection task to execute the run operation.

1. Run: Re-run the task on all vehicles and update the deployment status.

2. Note: Only the task creator is allowed to perform the run operation.

9.5 Secondary Page of Log Collection

Click Running Process in the collection task list to enter the secondary page of data collection. You can view the deployment status and executable operations of each vehicle under the task, as shown in the figure below:The list displays VIN, Deployment Status, Status Description, Last Execution Time and Operations.

Click to enter the secondary page of log collection

9.5.1 Operation - Run

When the vehicle is in a runnable state, the Run option in the operations section will be displayed in blue and become clickable.Click Run to execute the task on the vehicle and update the deployment status.
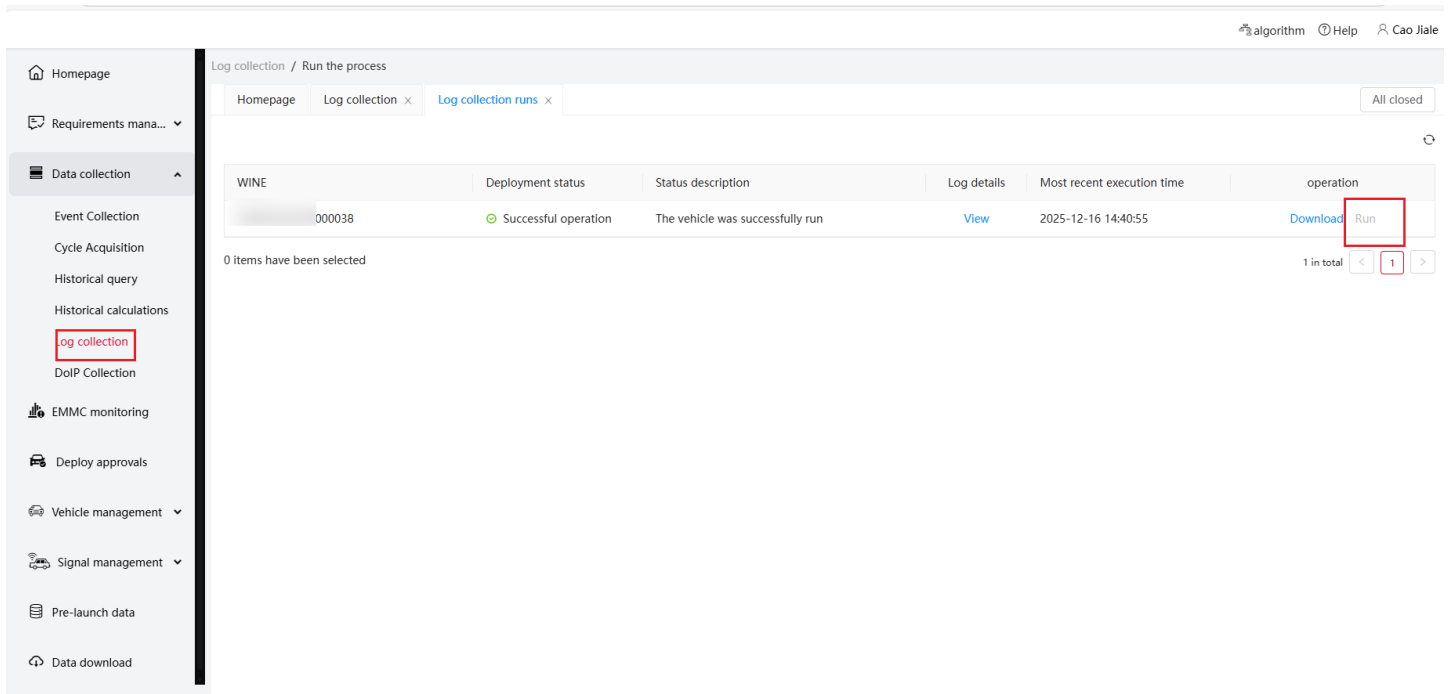
9.5.2 Operation - Download

On the secondary page of log collection, select the vehicle data you want to download and click Download in the list operations. You will then be redirected to the data download page, which includes a query function bar and a data list, as shown in the figure below.
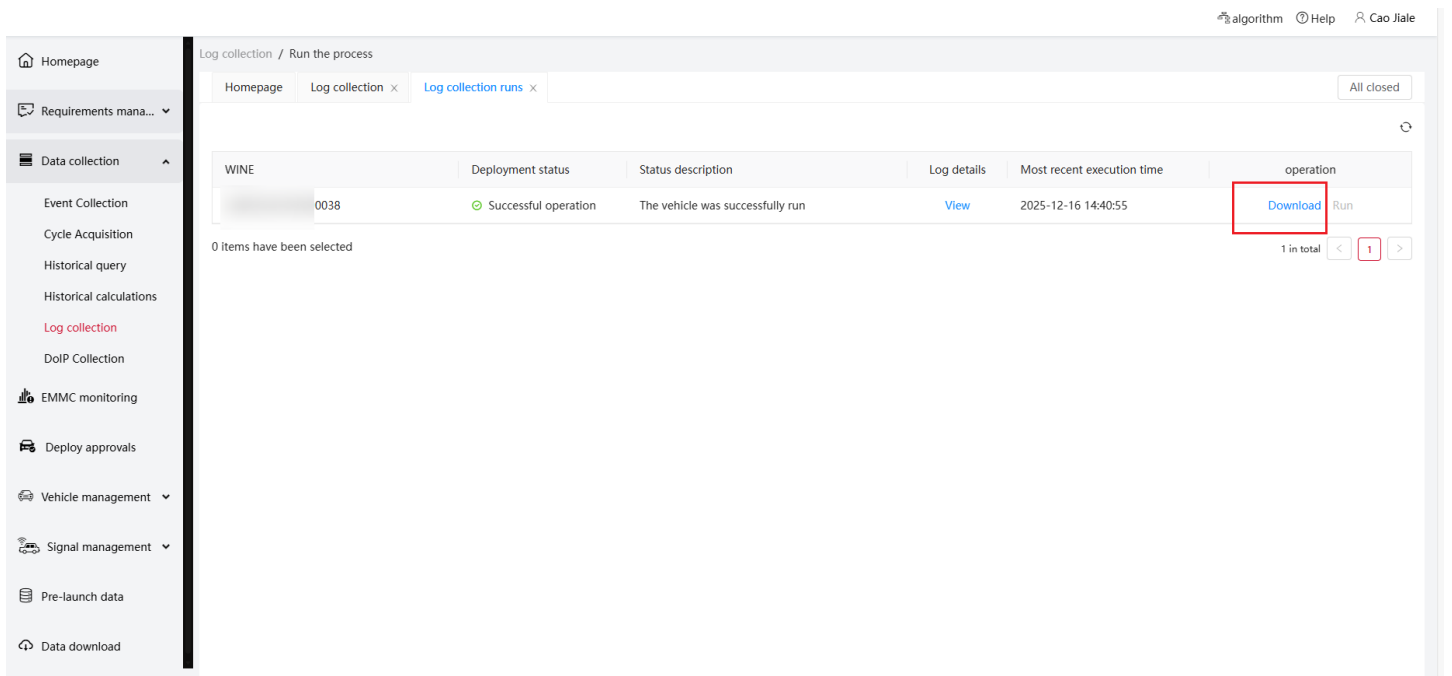
Redirect to and open this page (the breadcrumb path displays Data Download):

- Supports filtering by time and VIN. Multiple VINs can be selected.

- Batch download of selected data is available. You can choose the corresponding download format.

- The operation is: Download.

- Click Download in the operations section to download the vehicle data.
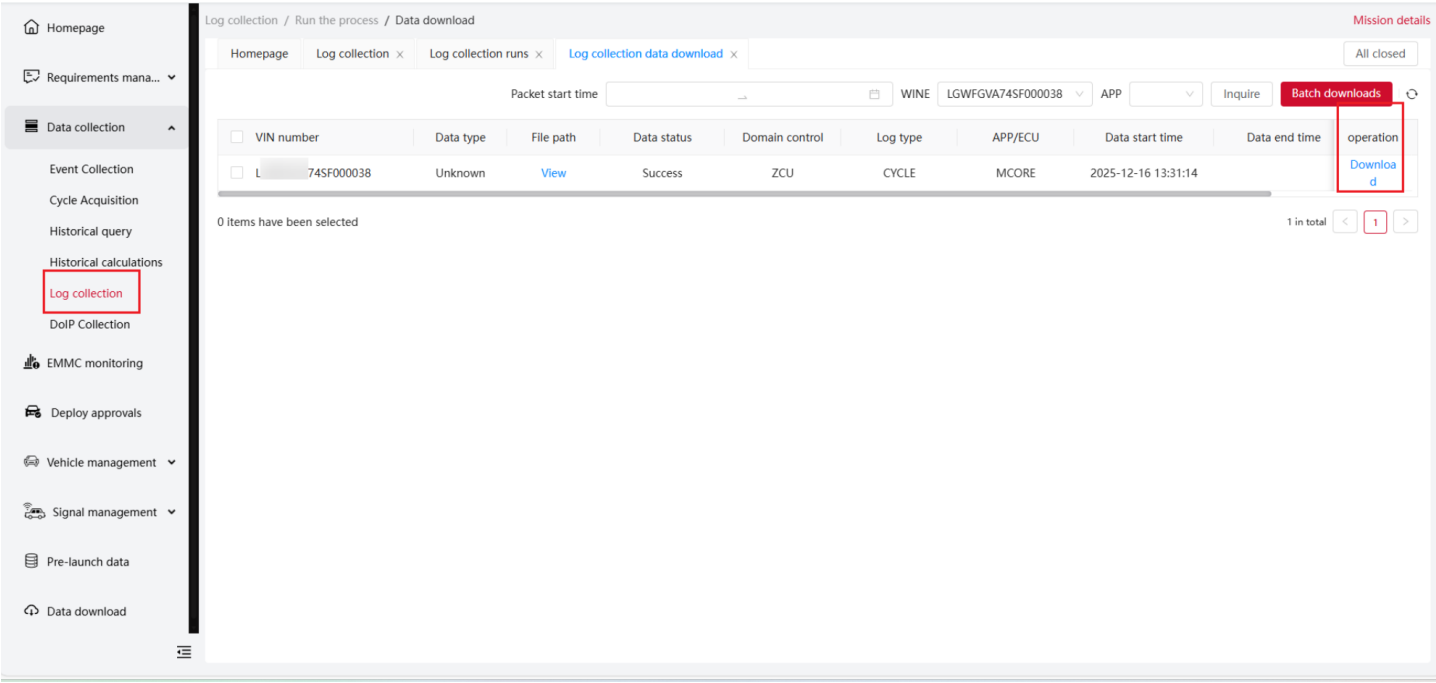
10. DoIP Collection

DoIP Collection refers to setting the time range and network interface card (VLAN) for collection on the cloud side, delivering the collection rules to the vehicle side, collecting DoIP data through a fixed port (13400), and the vehicle side uploading the DoIP data within this time range to the cloud side.

10.1. Create CollectionClick

"New" in the upper right corner to enter the collection creation page, as shown below:

10.1.1 Configure Vehicle Selection

- Directly click the Group Name under the vehicle group to expand the vehicles in this group, then click the Checkbox to select the vehicles for which log collection will be created.

- Click the "Select Vehicles and Groups" search box, enter the VIN or group name, and the relevant vehicles/groups will be displayed in the list below. Fuzzy search is supported.

- Click the checkbox next to the vehicle VIN to select the vehicle. The selected vehicles will be displayed in the "Selected Vehicles" section.

- Click "Vehicle Model" to expand the vehicle model and series group (collapsed by default). You can select all vehicles under a specific model by checking the corresponding checkbox.
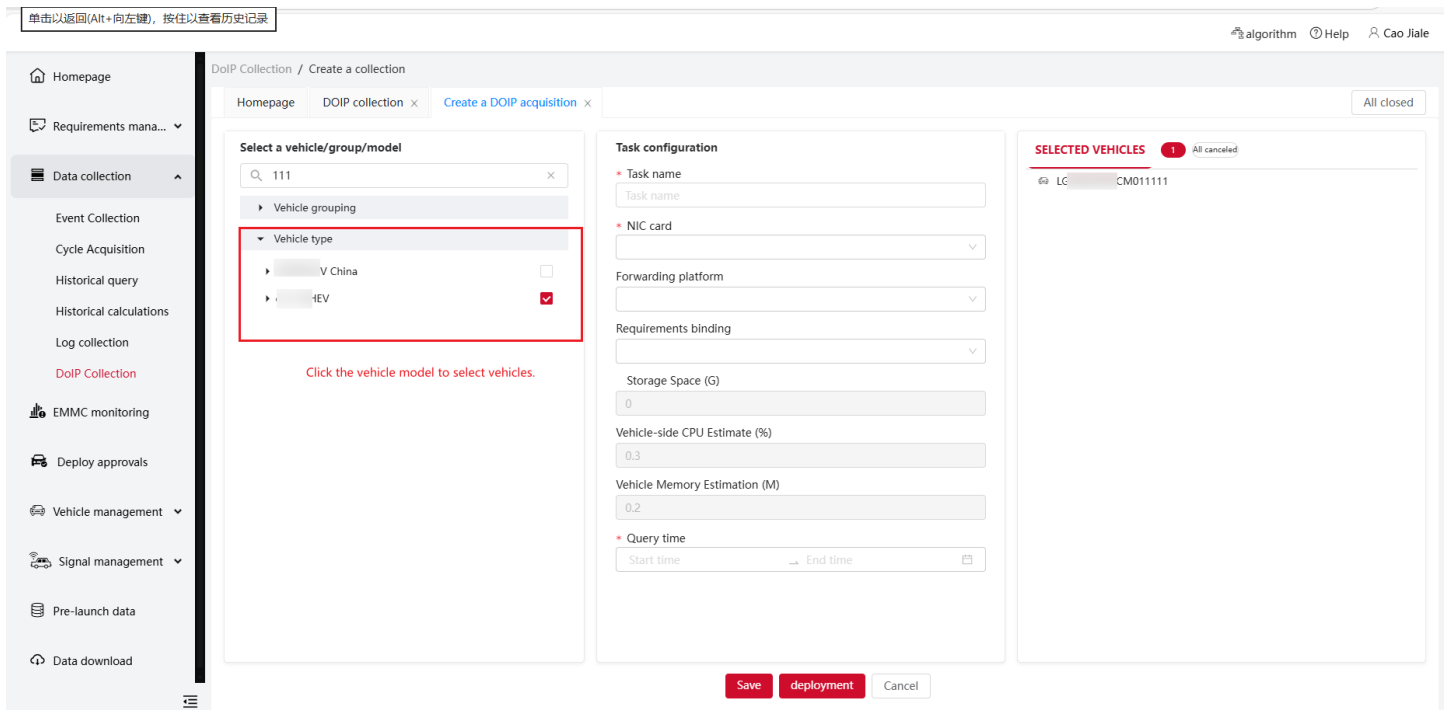
10.1.2 Task Configuration

- Click the "Task Name" input box and enter a task name. It supports Chinese characters, numbers, letters, hyphens and underscores. The task name must be unique.

- Click the "Network Interface Card" dropdown menu. It supports VLAN2 and VLAN8, and this is a mandatory field.

- Click the "Forwarding Platform" dropdown menu to select forwarding platforms. Multiple selections are allowed, and this is an optional field.

- After selecting vehicles, the required storage space, vehicle-side CPU and vehicle-side memory will be calculated and displayed.

- Click the query time selection box to set the query time. This is a mandatory field.
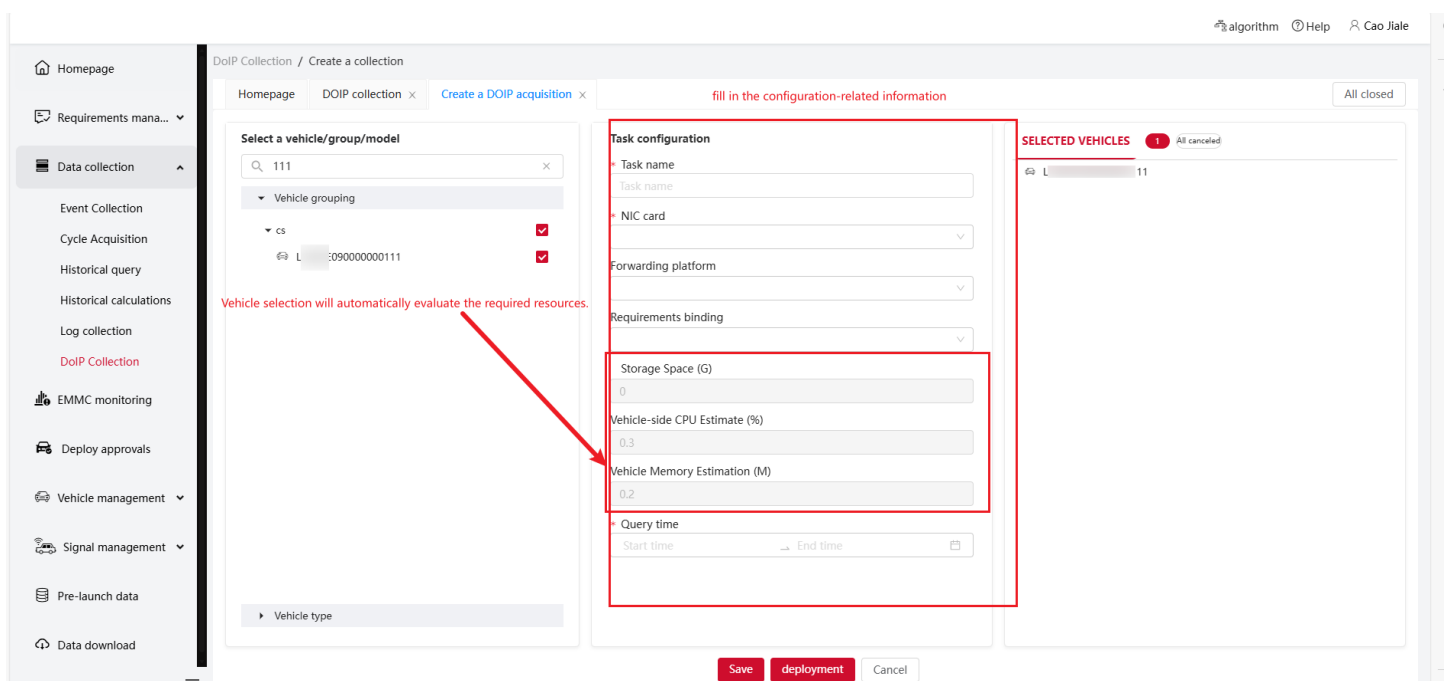
- The "Selected Vehicles" list shows the number of selected vehicles and the "Deselect All" button on the right side.

- Hover the mouse over a vehicle in the "Selected Vehicles" list, and a "Delete" button will appear. Click it to remove the selected vehicle, and the corresponding checkbox on the left side will be unchecked synchronously. Click "Deselect All" to cancel the selection of all vehicles.
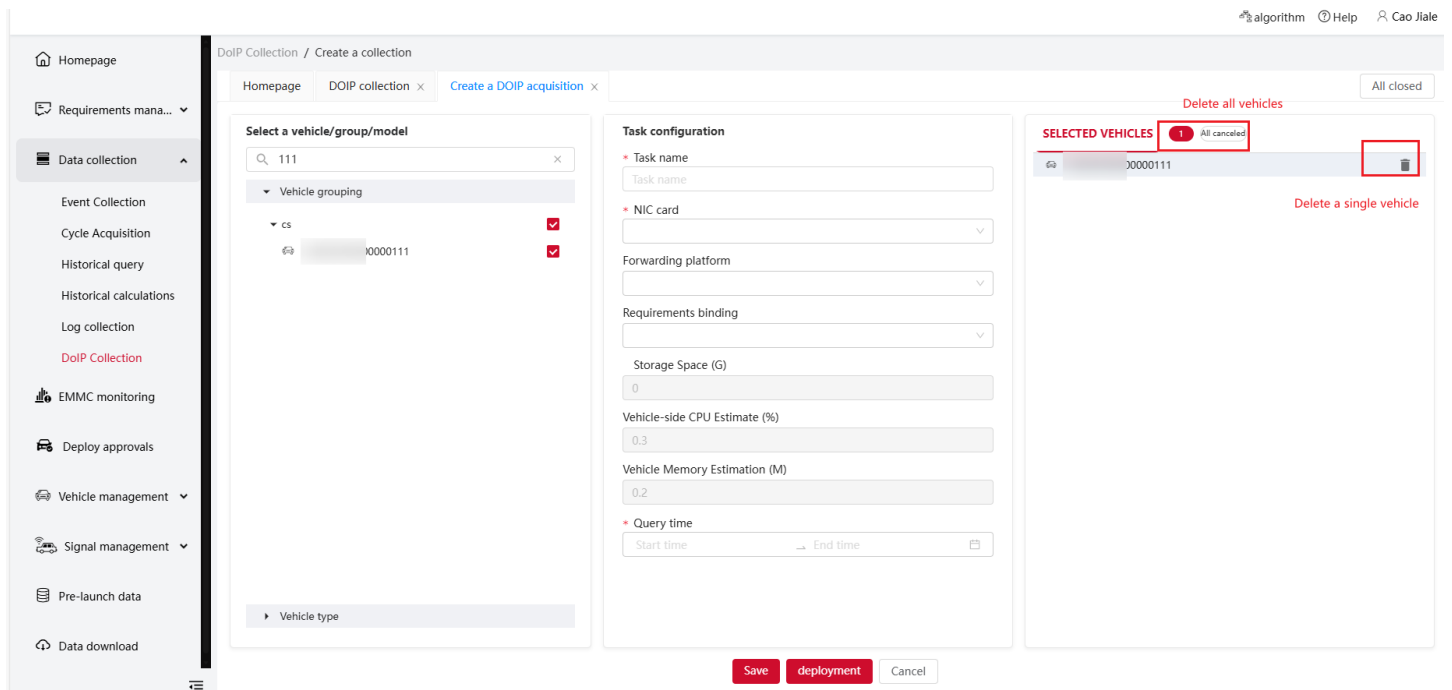
- After completing the configuration, click the Save button to save the data of this periodic collection task. The task will not be delivered or deployed. You can re-enter the page to modify and then deploy and deliver it.

- Click the Deploy button to submit the task for approval. Once approved, the task will be delivered to the vehicle side.

- Click the Cancel button to exit the collection creation page without creating the current collection task.
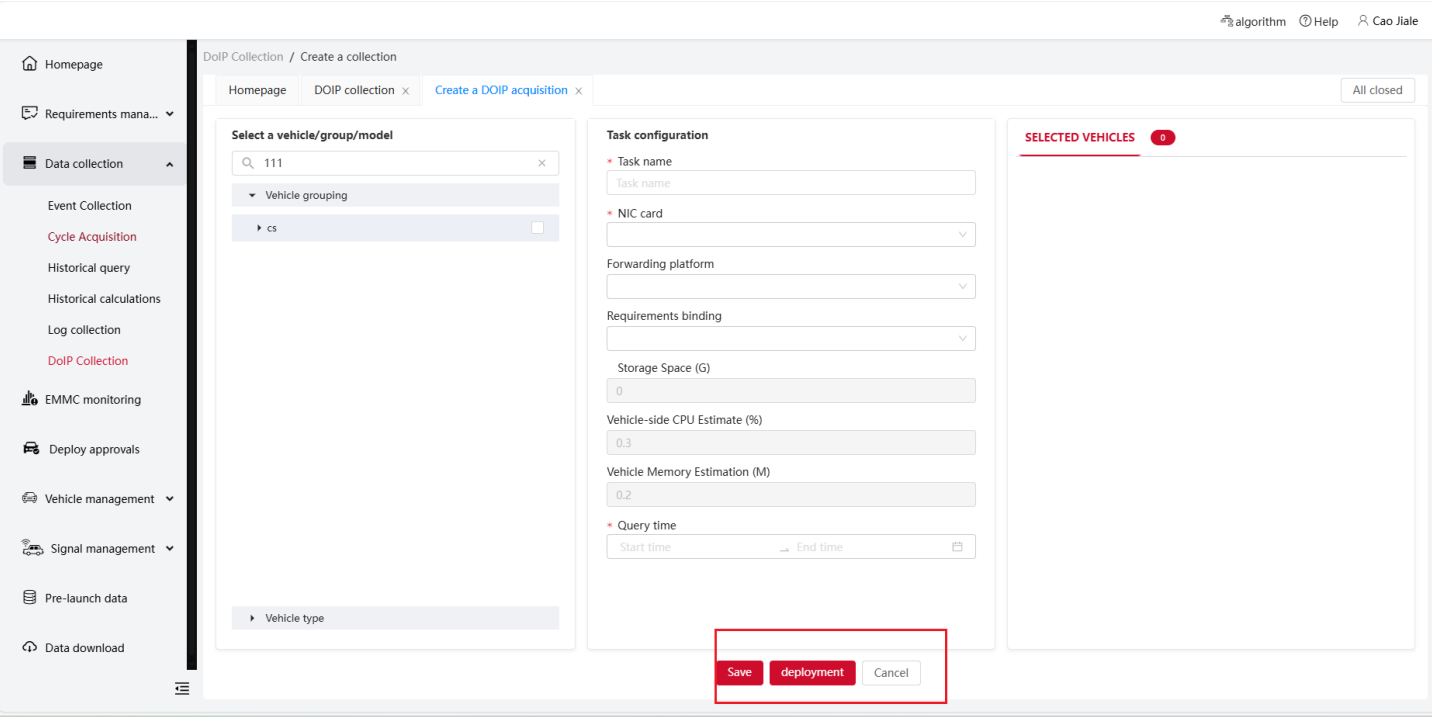
10.2. View Collection Task Details

Click the Task Name to view the details of the current collection task:

- Displays the selected vehicles, time configuration, and task configuration.
- The task configuration shows the task name, network interface card, and forwarding platform of the DoIP collection.
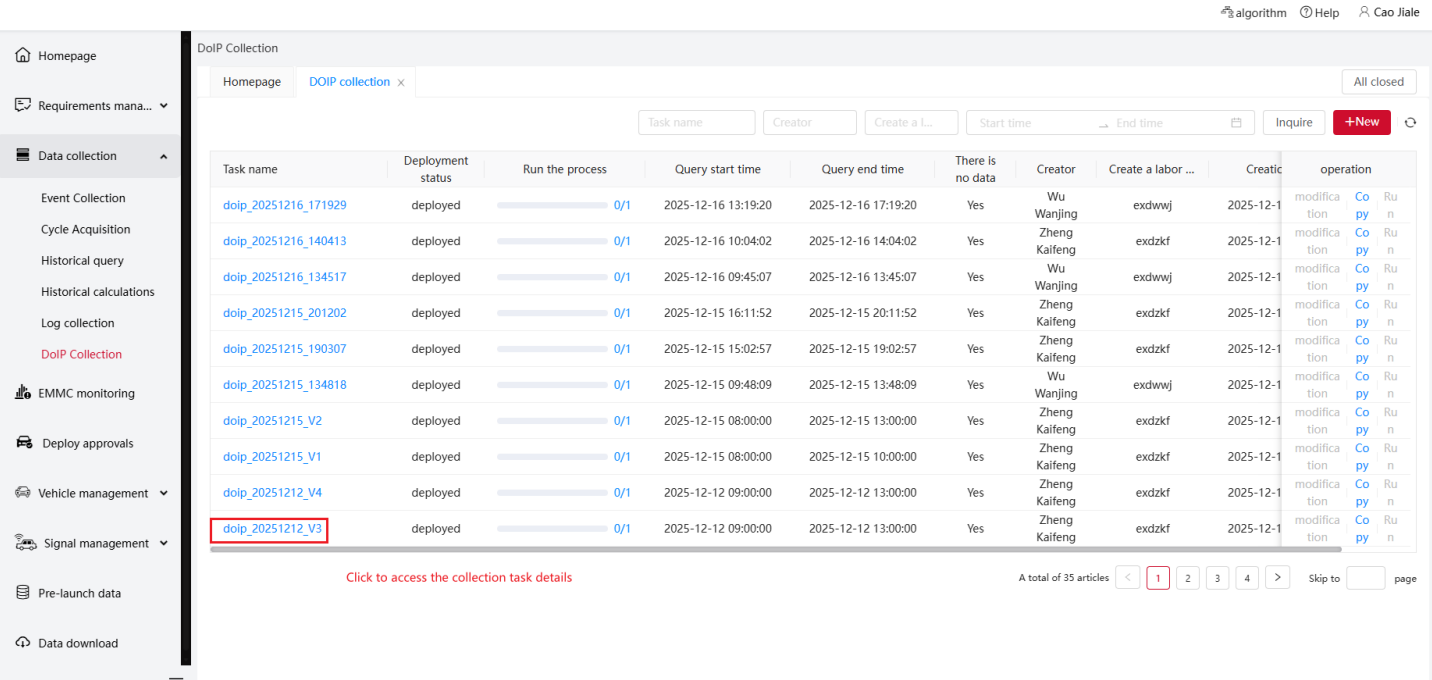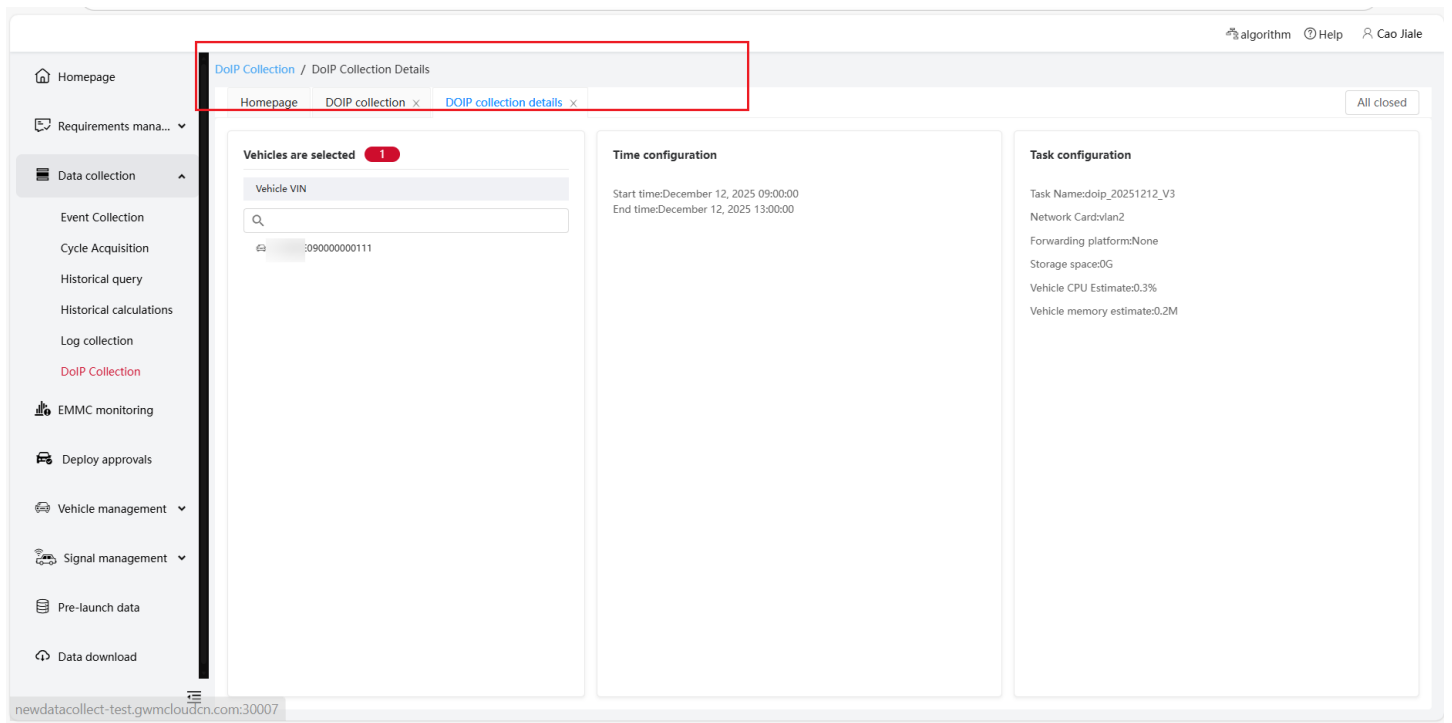
10.3 Collection Copy

Select a collection task and click Copy to enter the collection copy page.

- You can reselect vehicles.

- You can reselect network cards, forwarding platforms and query time.

- The name must be modified.

- Click Deploy to submit for approval. After approval is granted, the deployment will be issued to the selected vehicles.
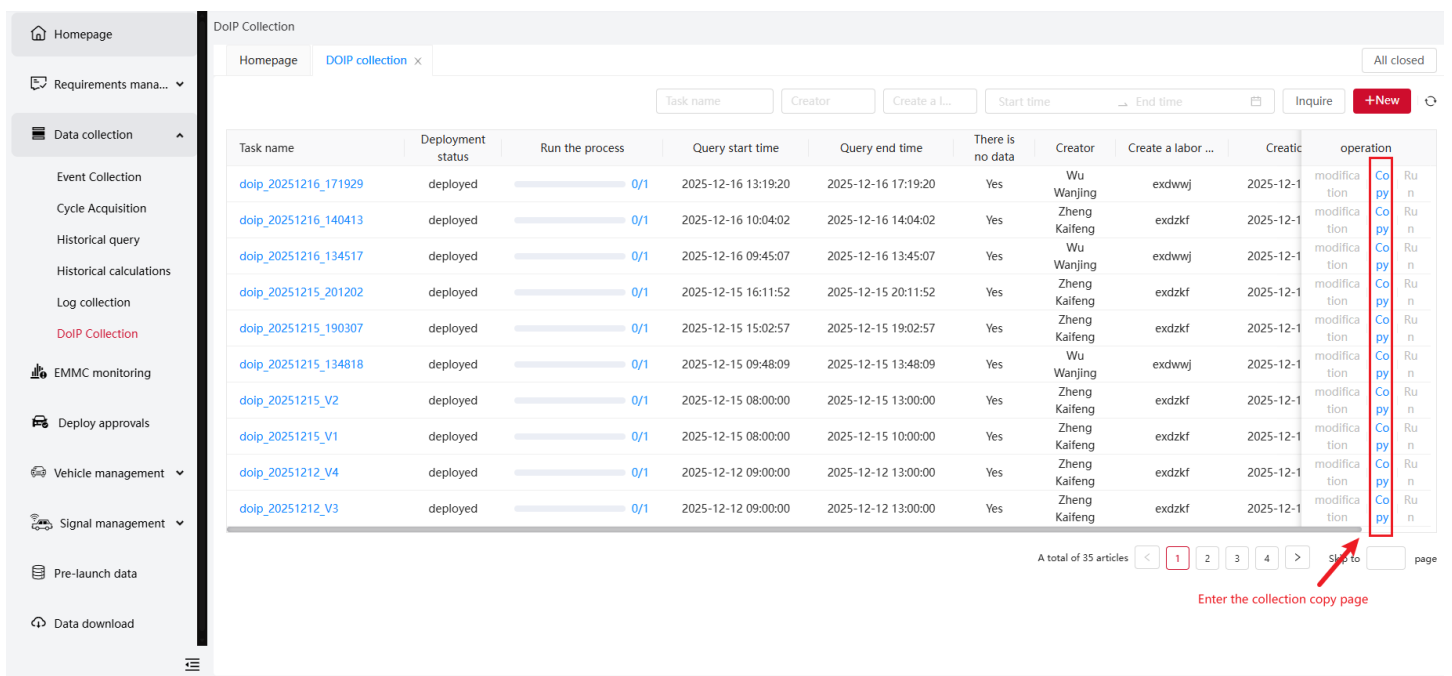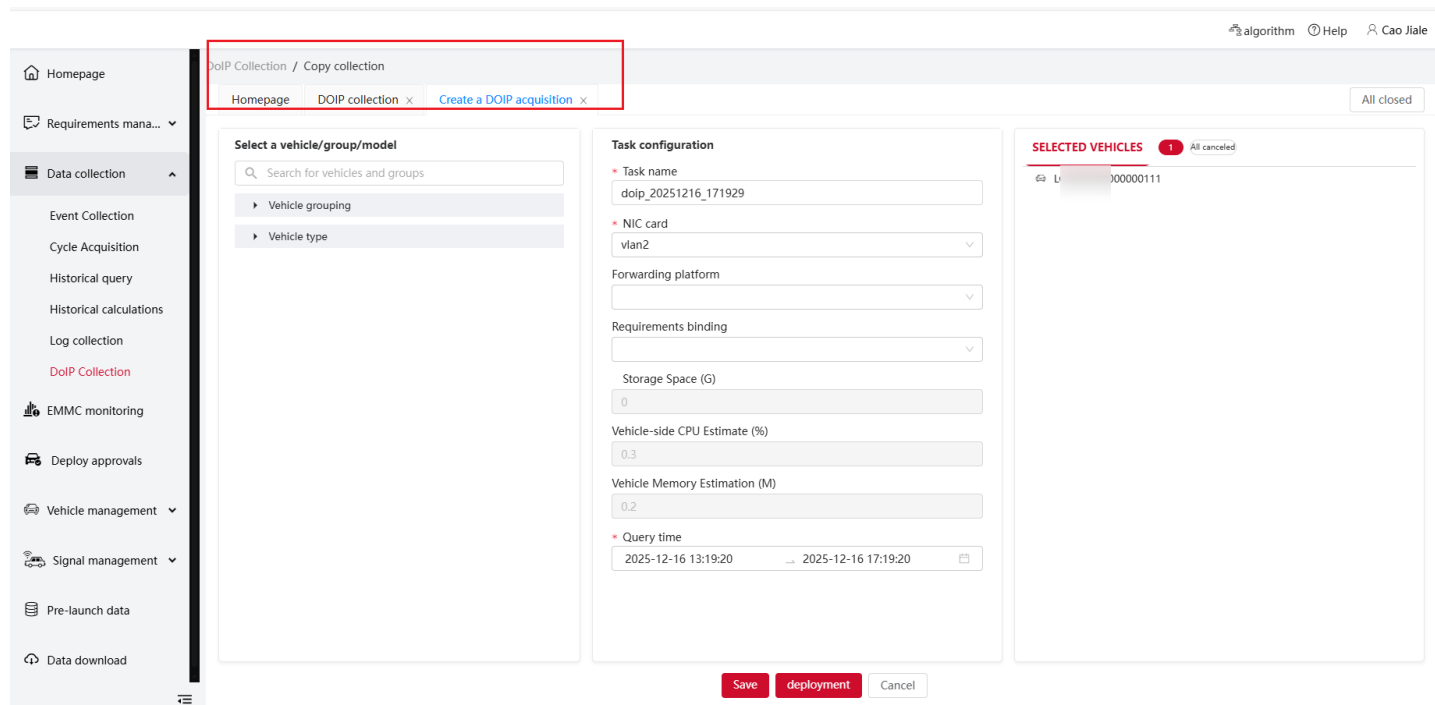
10.4 Run Operation

Select a collection task to execute the run operation.

1. Run: Re-run the task on all vehicles and update the deployment status.

2. Note: Only the task creator is allowed to perform the run operation.
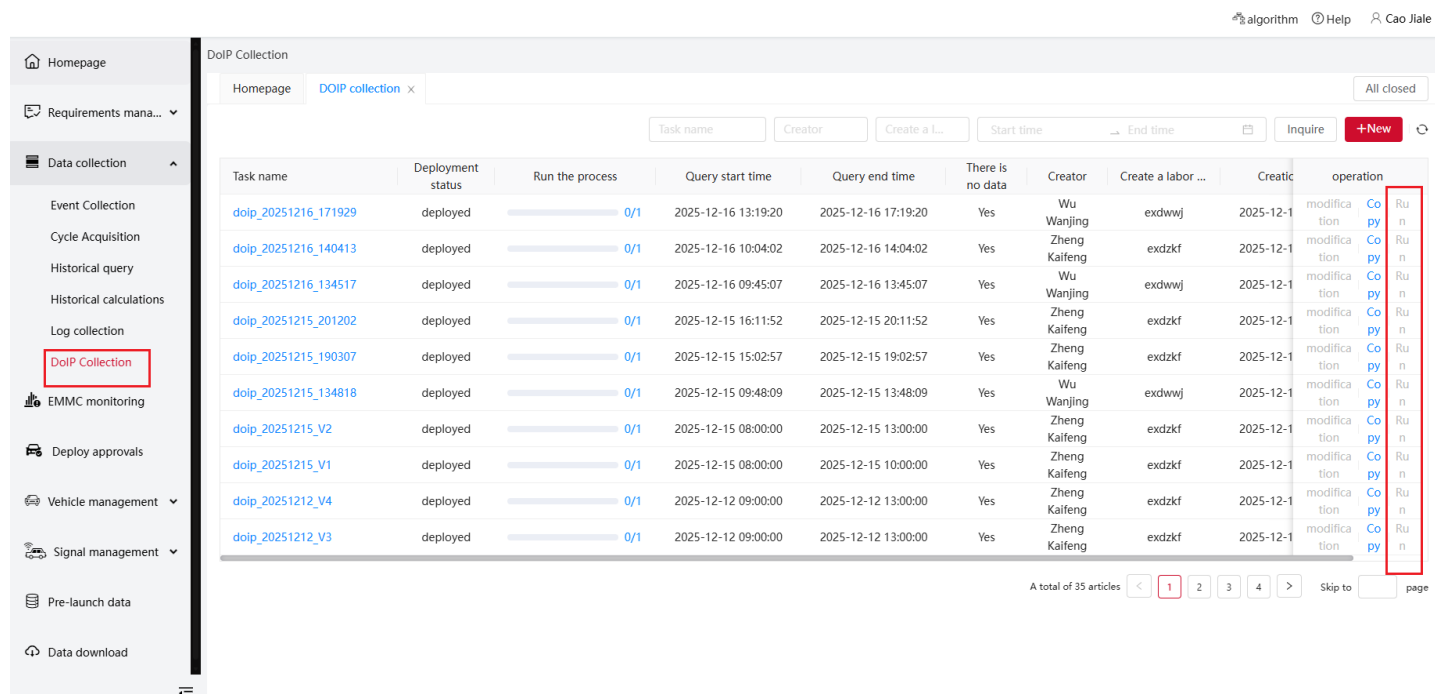
10.5 DoIP Collection Secondary Page

Click Running Process in the collection task list to enter the data collection secondary page, where you can view the deployment status and available operations of each vehicle under the task, as shown in the figure below:

The list displays VIN, Deployment Status, Status Description, Last Execution Time and Operations.

10.5.1 Operation - Run

When the vehicle is in a runnable state, the Run option in the operations section is displayed in blue and clickable.

Click Run to start the vehicle and update the deployment status.
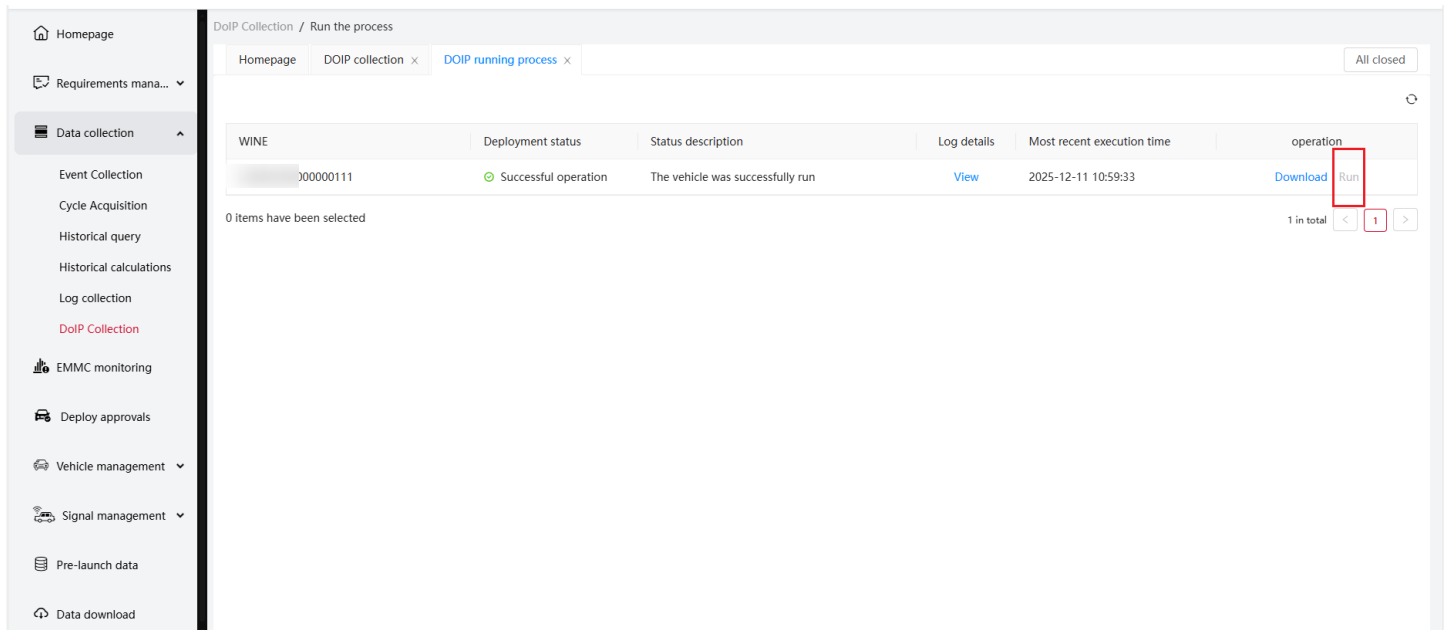
10.5.2 Operation - Download

On the DoIP collection secondary page, select the vehicle data to be downloaded and click Download in the list operations; you will be redirected to the data download page, which includes a query function bar and a data list, as shown in the figure below.
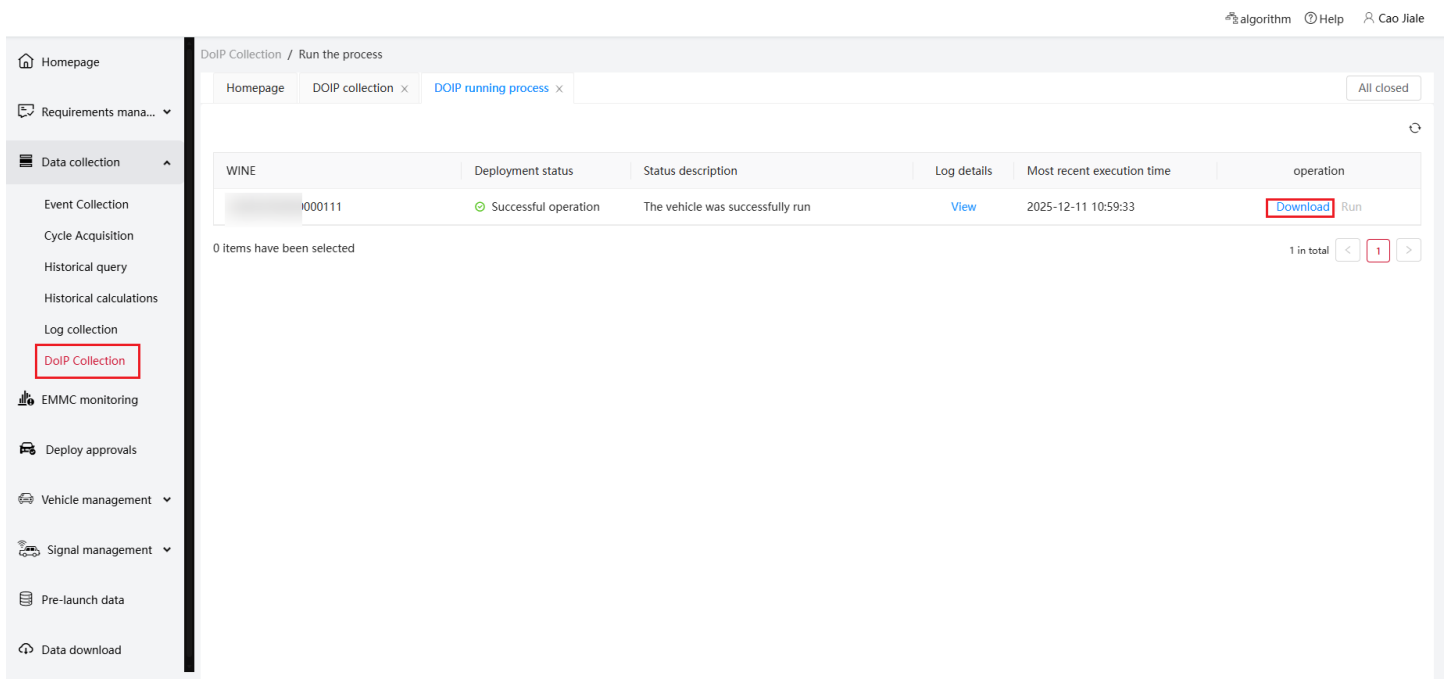
Be redirected to this page (the breadcrumb path displays Data Download):

- Supports filtering by time and VIN; multiple VINs can be selected.

- Allows batch download of selected data; select the corresponding download format.

- The operation is: Download.

- Click Download in the operations section to download the vehicle data.

11. eMMC Monitoring

Monitor the health status of vehicle-end eMMC on a regular basis. If any issues are detected, the business department shall promptly contact the after-sales team to arrange services such as component replacement.

- Users can monitor the eMMC health status (Normal/Abnormal) by vehicle model and series via the New Data Collection Platform.

- Users can click on vehicles with abnormal eMMC status to view detailed eMMC exception information.

11.1 Operation Interface

- The list displays the latest eMMC data for each vehicle.

- The list shows VIN, Detection Start Block, Detection End Block, Error Block, Collection Time, Creation Time and Operations.

- Enter the VIN and time to filter eMMC data.

- Operations available in the action items: Details, Historical Data.

11.1.1 eMMC Status Error Details

Click Details in the operations column of the list, and you can view the detailed error information of the latest eMMC data of the vehicle in the pop-up window.

11.1.2 View EMMC Historical Data

Click Historical Data in the list operations to view the EMMC historical data of the vehicle.

- The list displays VIN, Detection Start Block, Detection End Block, Error Block, Collection Time, Creation Time and Operations.

- Select a time period to filter the data.

- Click Details in the operations section to view the detailed error information of the corresponding EMMC data record of the vehicle.

12. Vehicle Management

Vehicle Management allows you to view vehicle information synchronized from the TSP.

Click Vehicle Management to enter the vehicle management interface, where the list displays all vehicle information.
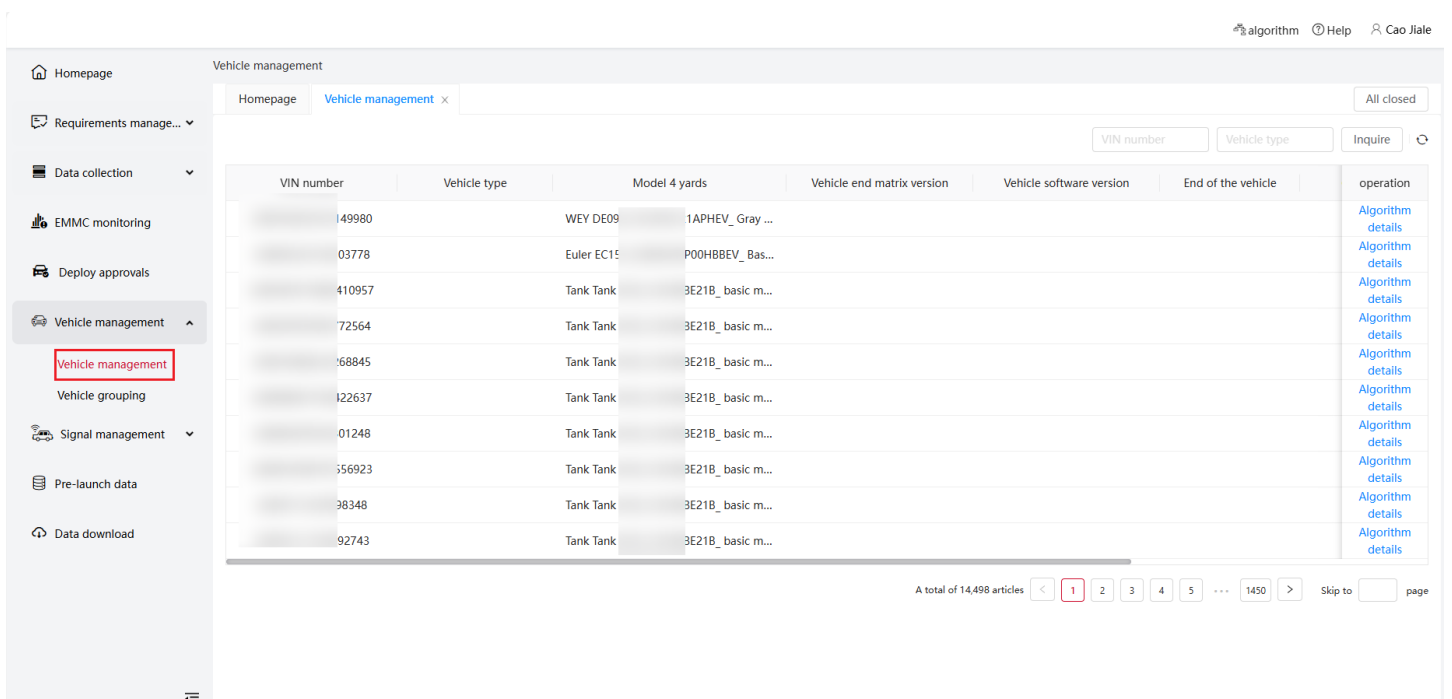
12.1 Vehicle List

- The list displays: VIN, Vehicle Model, 4-digit Vehicle Model Code, Matrix Version, Heartbeat Time, Creation Time and Operations.

- Supports fuzzy search by VIN and vehicle model.
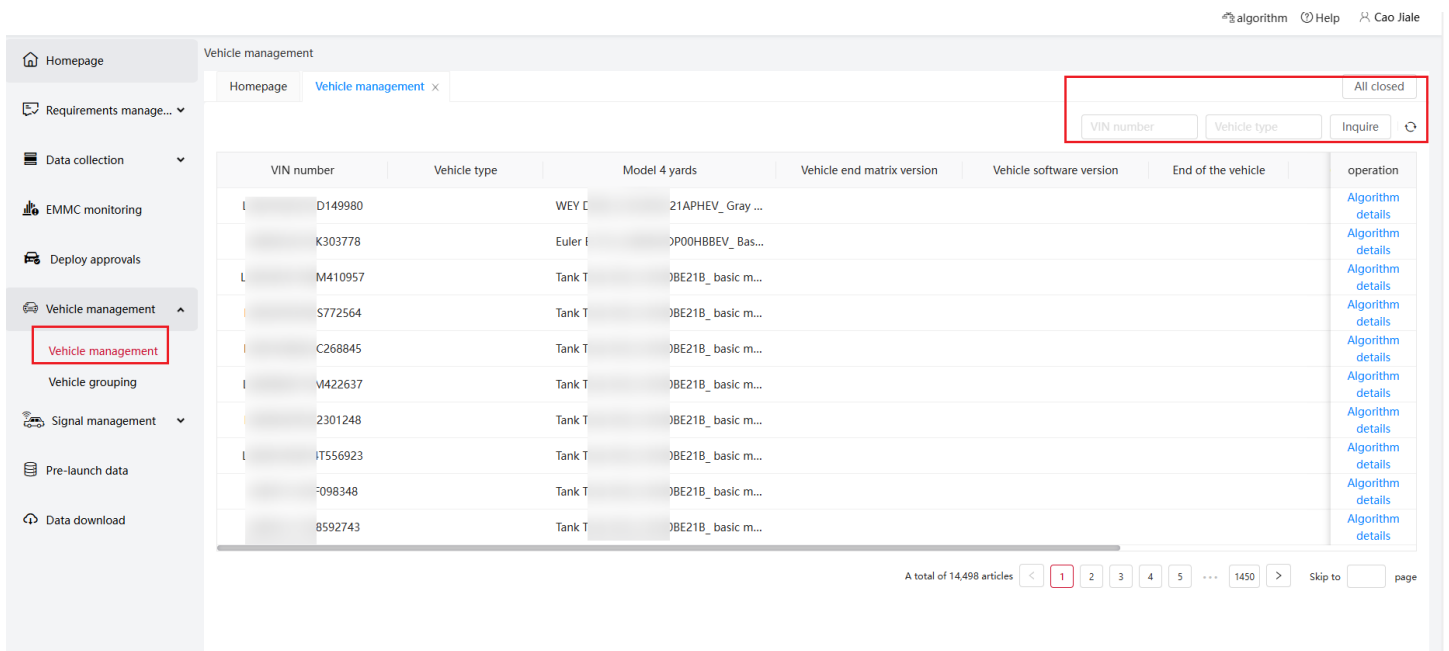
12.2 Algorithm Details

Click Algorithm Details in the operations section to pop up the algorithm data of the vehicle:

- The algorithm details list displays Algorithm Name, Type, Version and Description.

- Click ✕ to close the pop-up window.
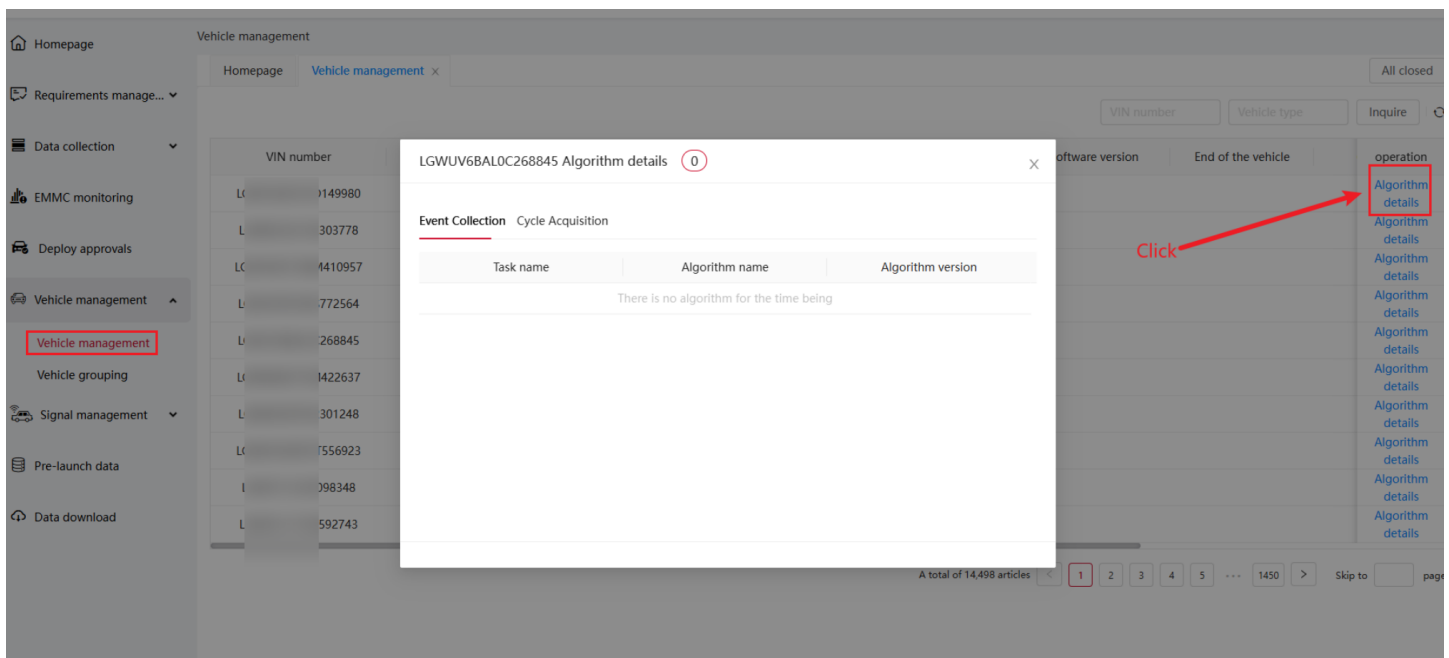
13. Vehicle Grouping

Click Vehicle Grouping to enter the vehicle grouping interface, which includes the functions of fuzzy search, group creation and group deletion:

- The list displays Group Name, Number of Vehicles, Creation Time, Update Time and Operations.

- Click the New button to create a new group.

- Enter the keywords of the group name in the search box to perform a fuzzy search for groups.
- Click Delete in the operation items to delete the corresponding group.
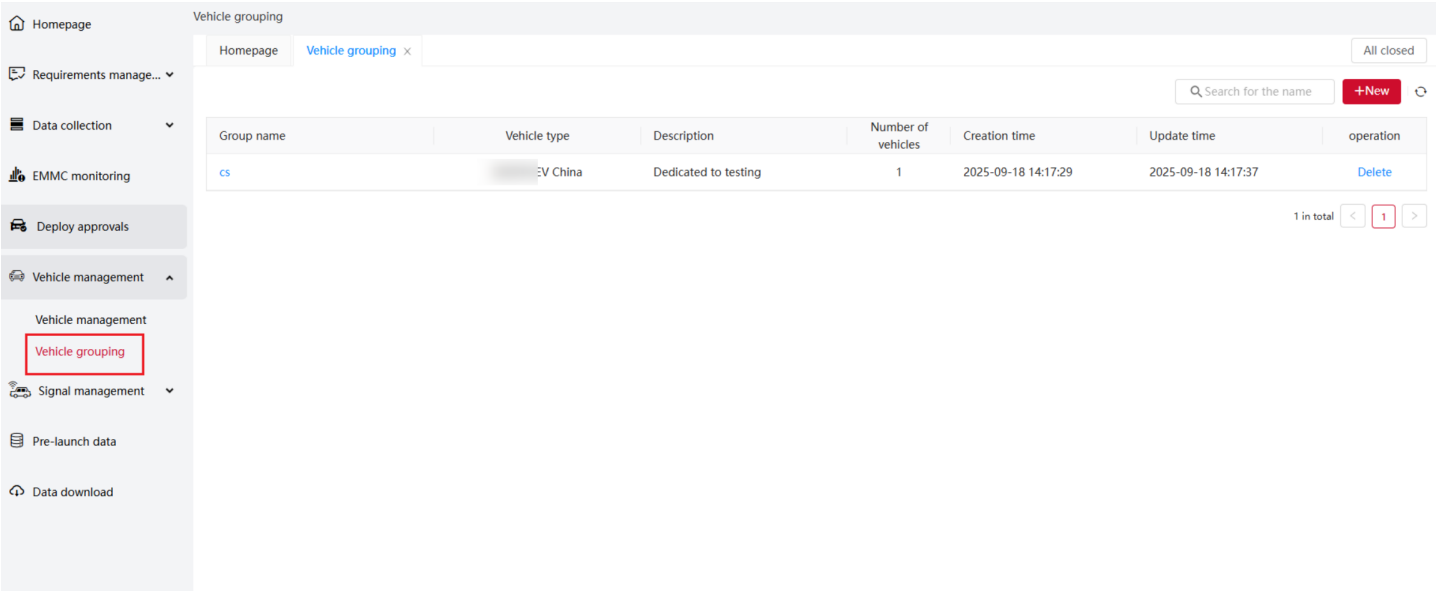
13.1 Create New Group

Click the New button to create a new vehicle group. The list will refresh automatically after successful creation.

Create Vehicle Group
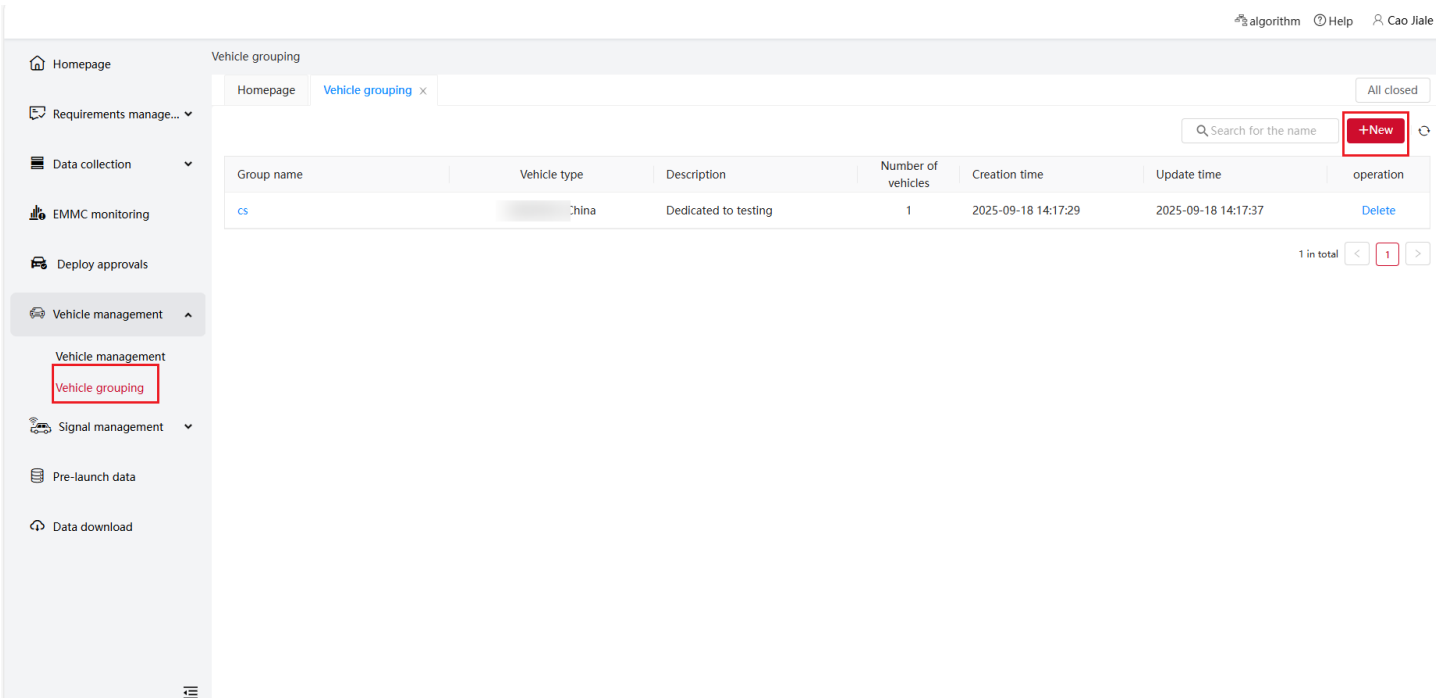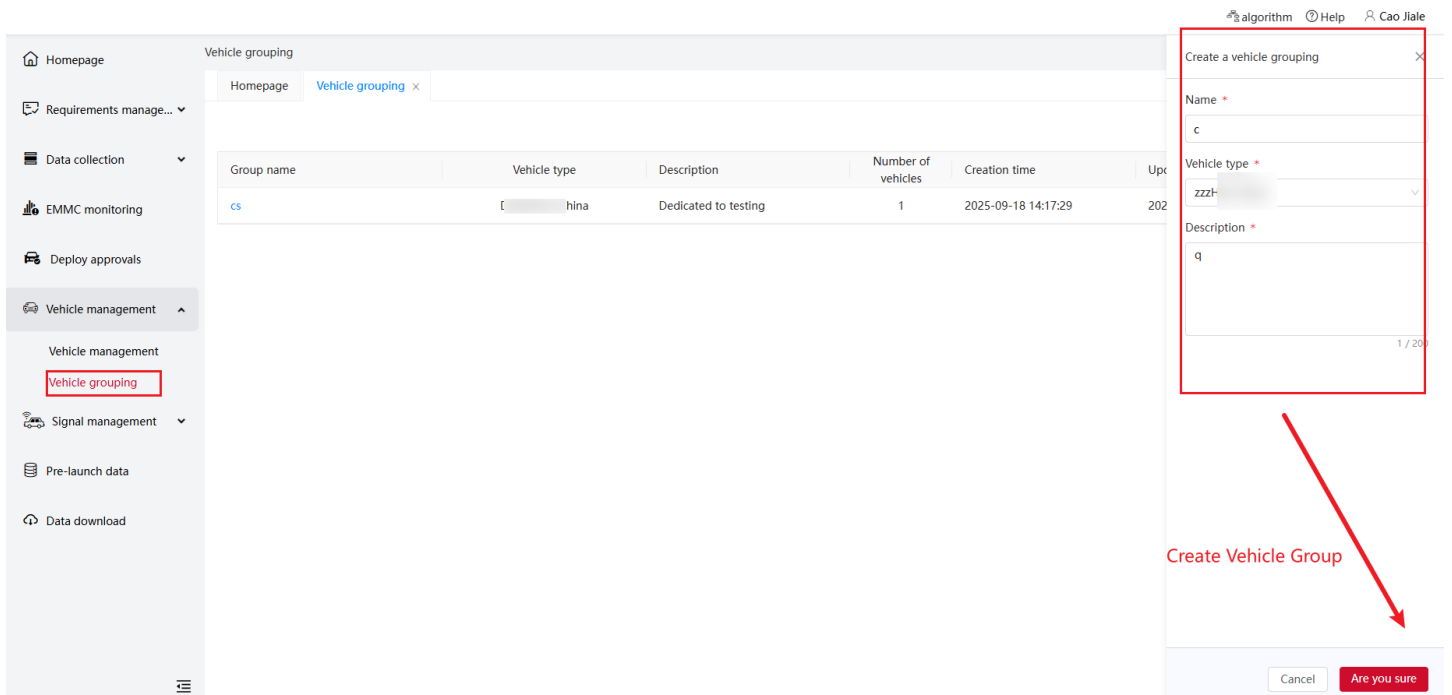
13.2 Delete Group

In the vehicle group list, click Delete in the operation column of the target group; a deletion confirmation box will pop up:

- Click the Confirm button in the confirmation box to delete the current vehicle group. The list data will refresh, and the vehicle data in Vehicle Management will remain unaffected.

- Click the Cancel button in the confirmation box to abort the deletion operation.

- The list data is sorted in descending order of update time.
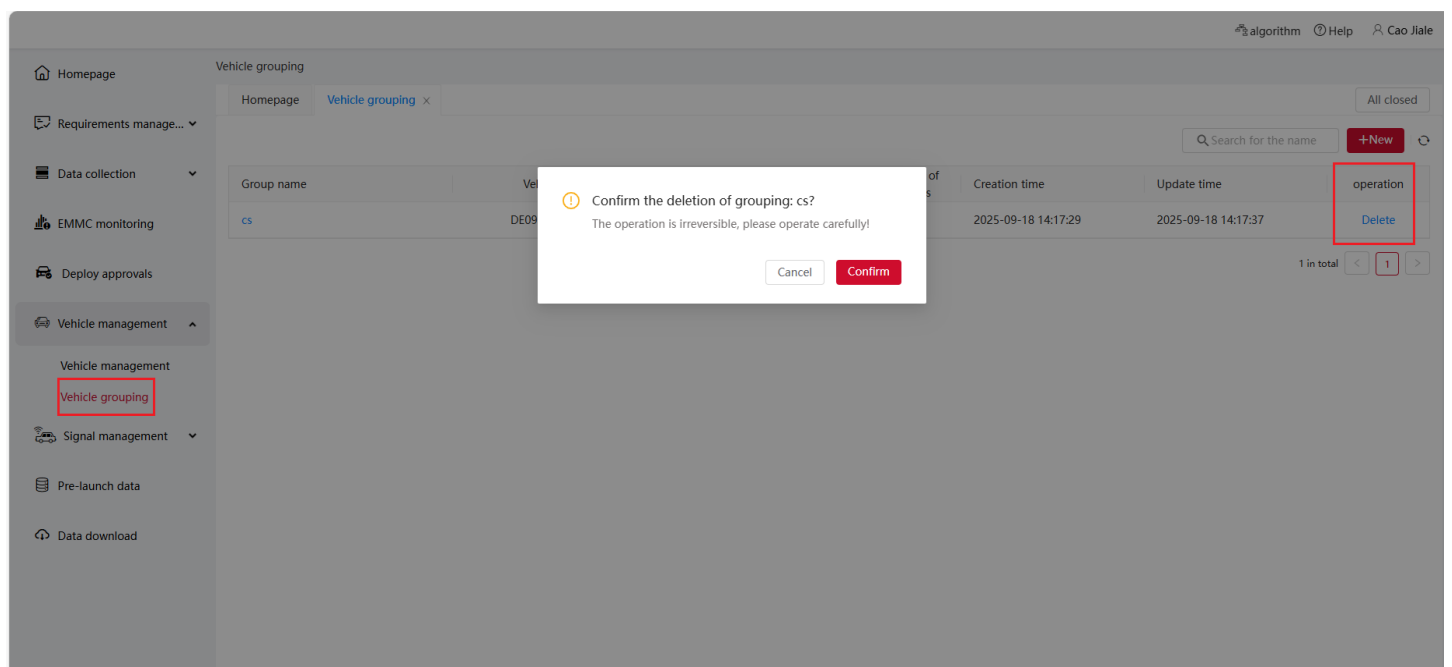
13.3 Vehicle Group Secondary Page

Click the group name to navigate to the vehicle group secondary page:

- If the group contains vehicles, the list displays vehicle information.

- Otherwise, "No Data" is shown.

Click the group name to enter the vehicle group secondary page.
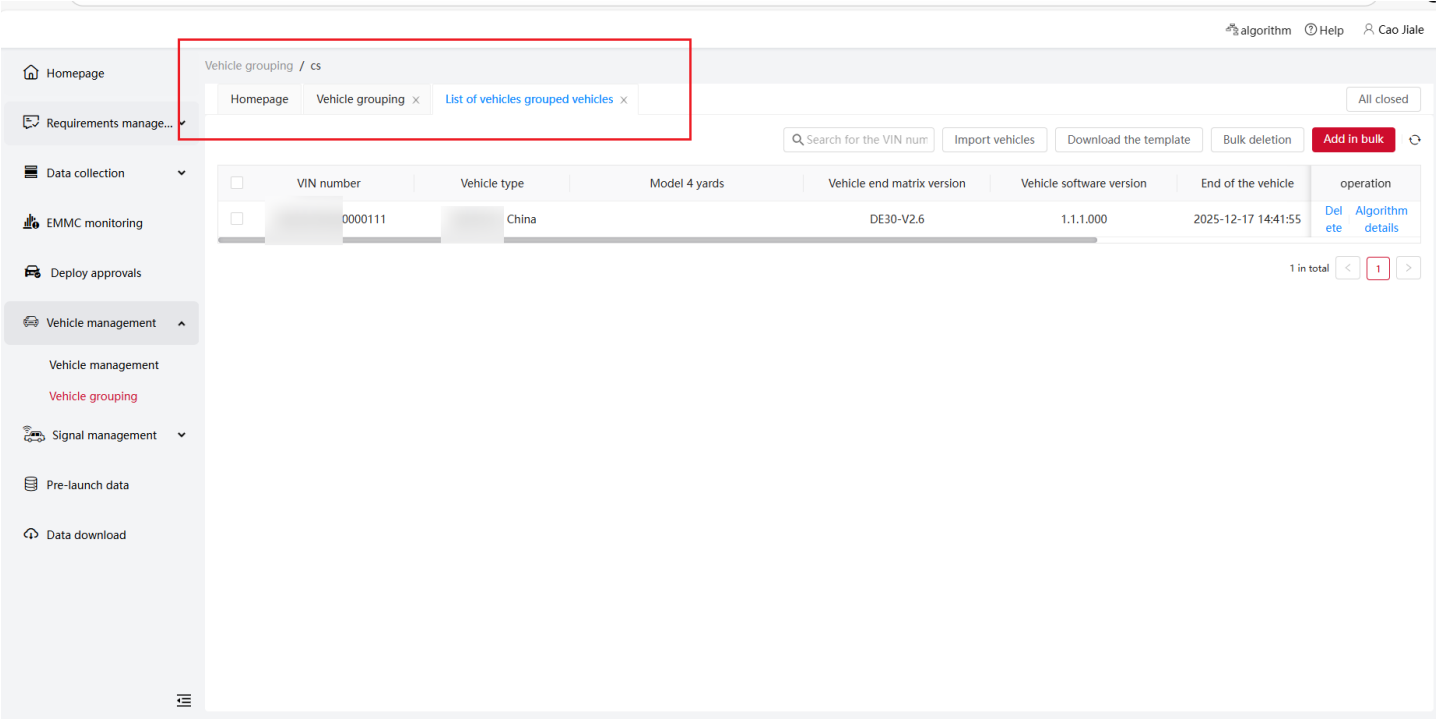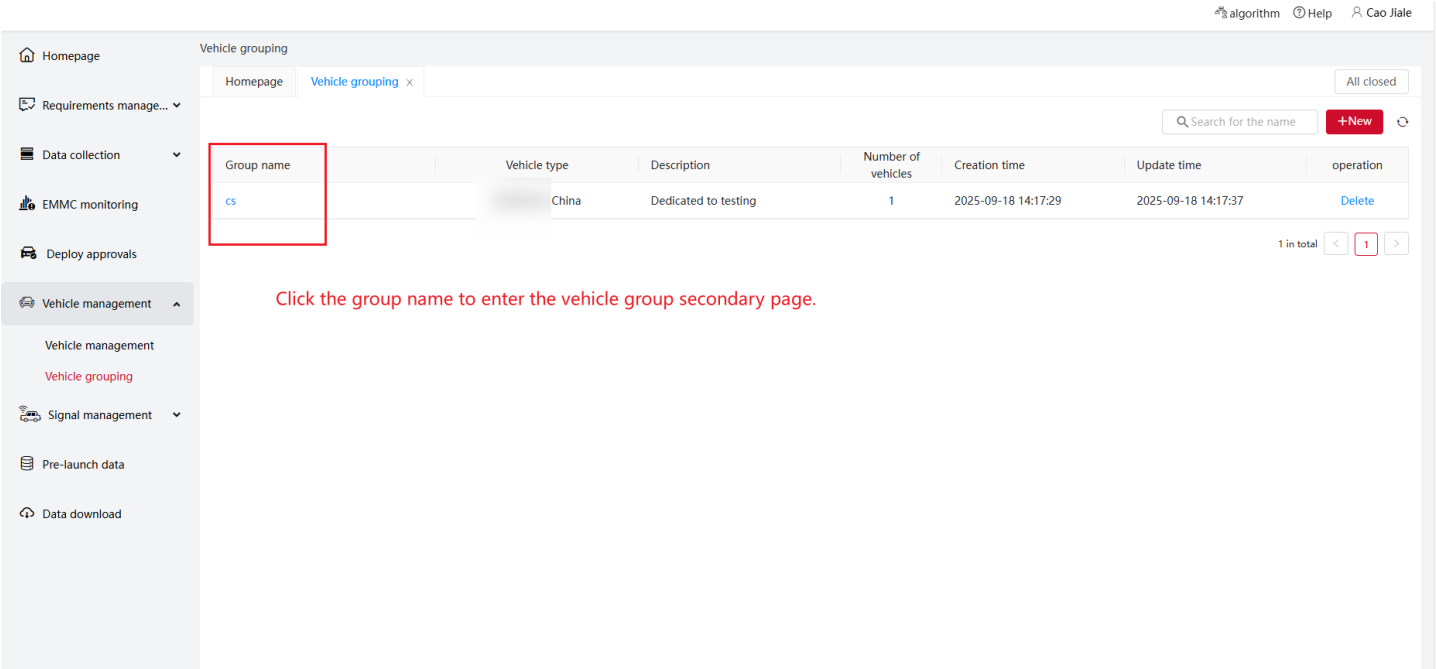
13.3.1 Batch Addition

Click Batch Addition to open the batch addition pop-up window.
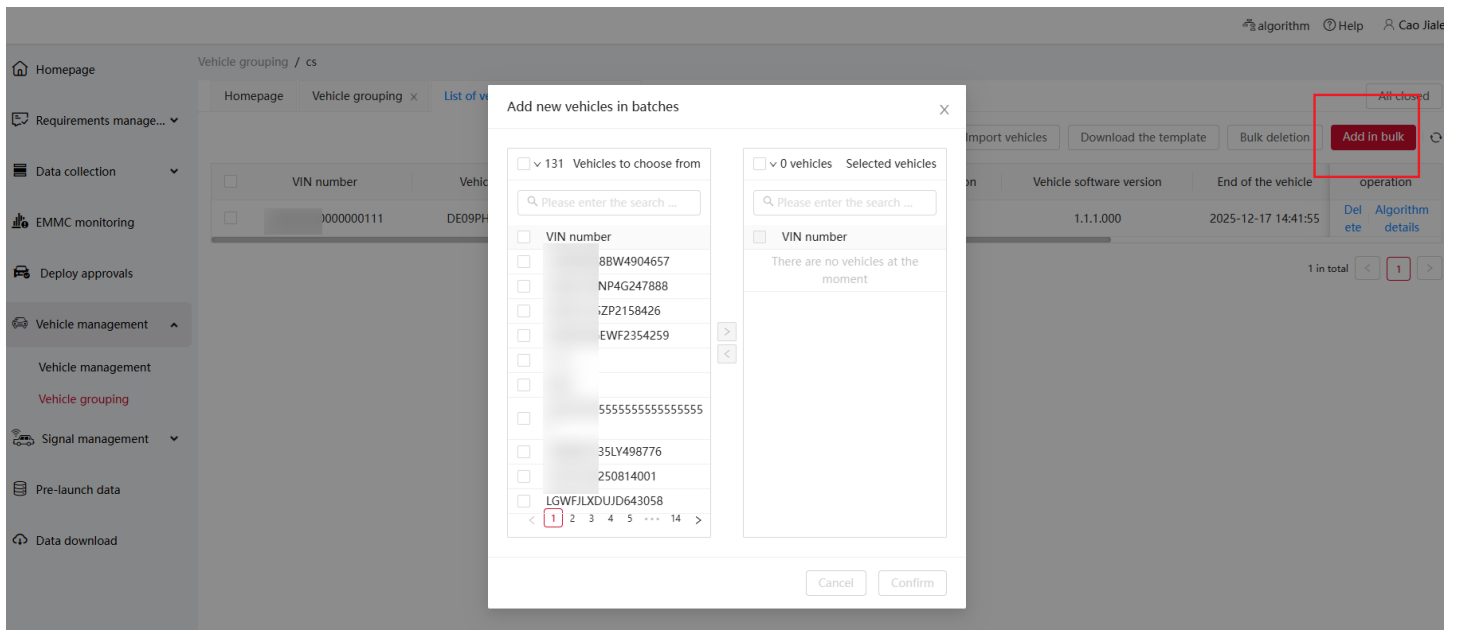
Select the vehicles to be added to this group from the Available Vehicles list on the left.
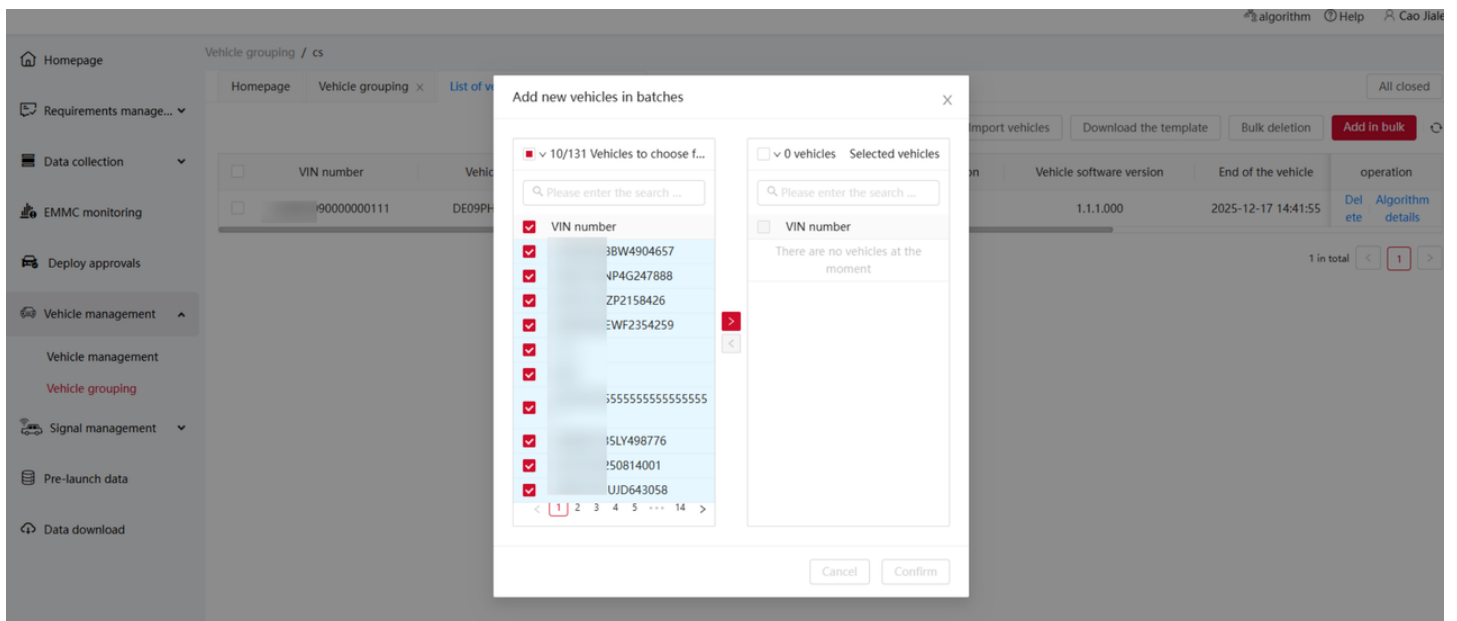
- The Available Vehicles list supports search functionality.

- Vehicles across multiple pages can be selected.

- All available vehicles can be selected with one click.

Click the left arrow in the middle to move the selected vehicles to the Selected Vehicles list on the right.
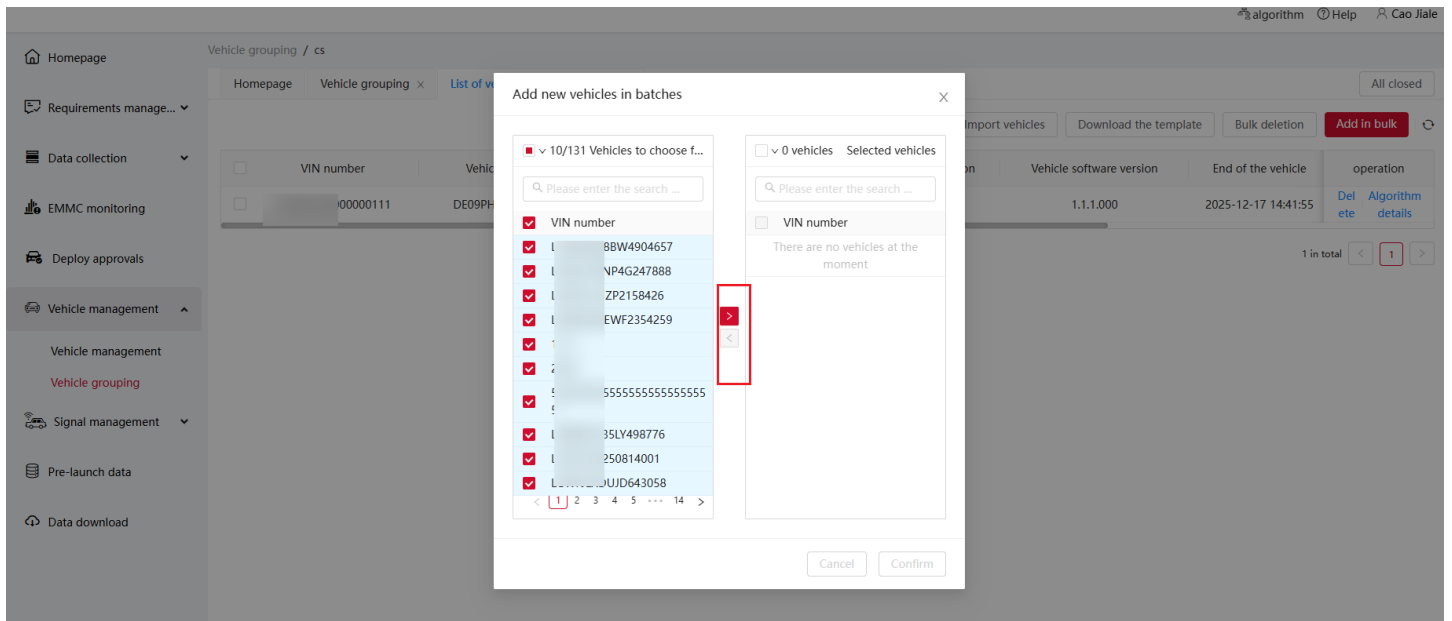
- Click the Confirm button to add the vehicles in the selected vehicle list to this group.

- Click the Cancel button to abort the batch addition operation; the data of the selected vehicles will not be added to this group.

- If the selected vehicles already exist in this group, they will be directly filtered out, and only the vehicles not in this group will be added.
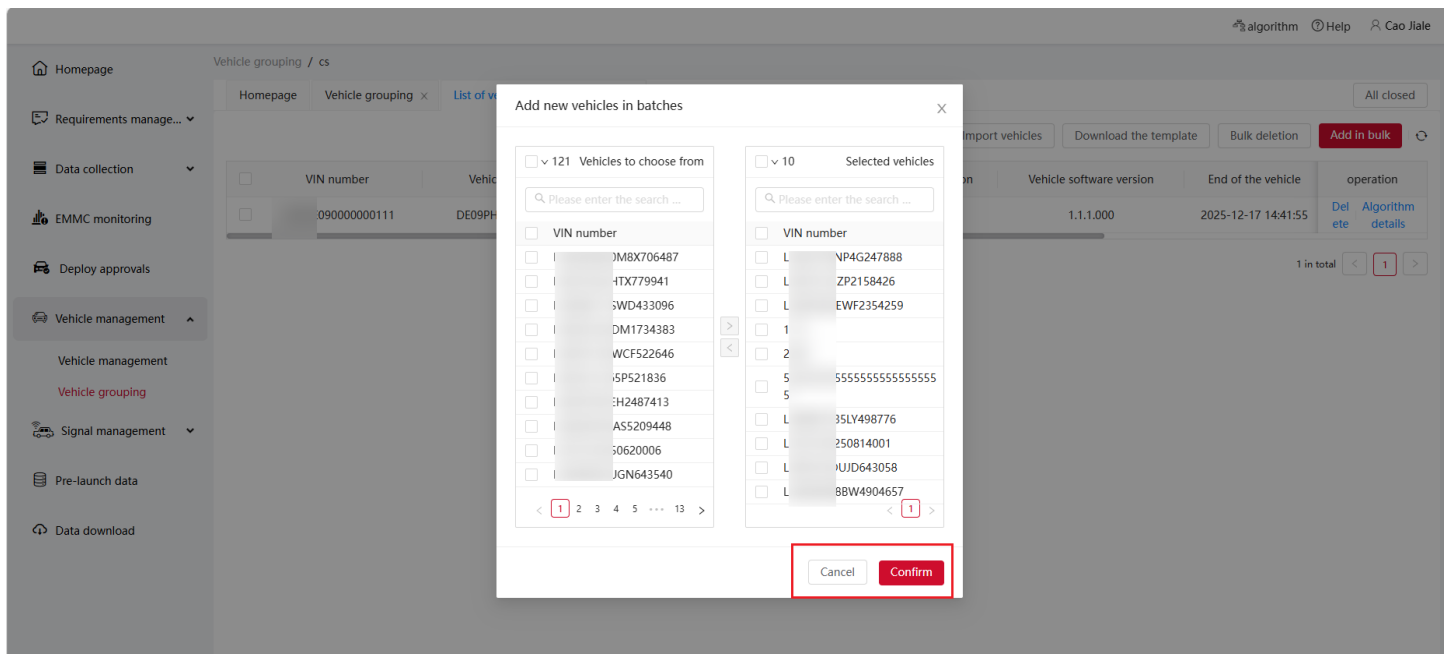
13.3.2 Remove Vehicles

Click Remove to bring up the removal confirmation dialog box:

- Click Confirm to remove the vehicle from this group.

- Click Cancel to abort the removal operation.

- Removing a vehicle from this group only severs the association between the vehicle and the group; the vehicle itself will not be deleted.
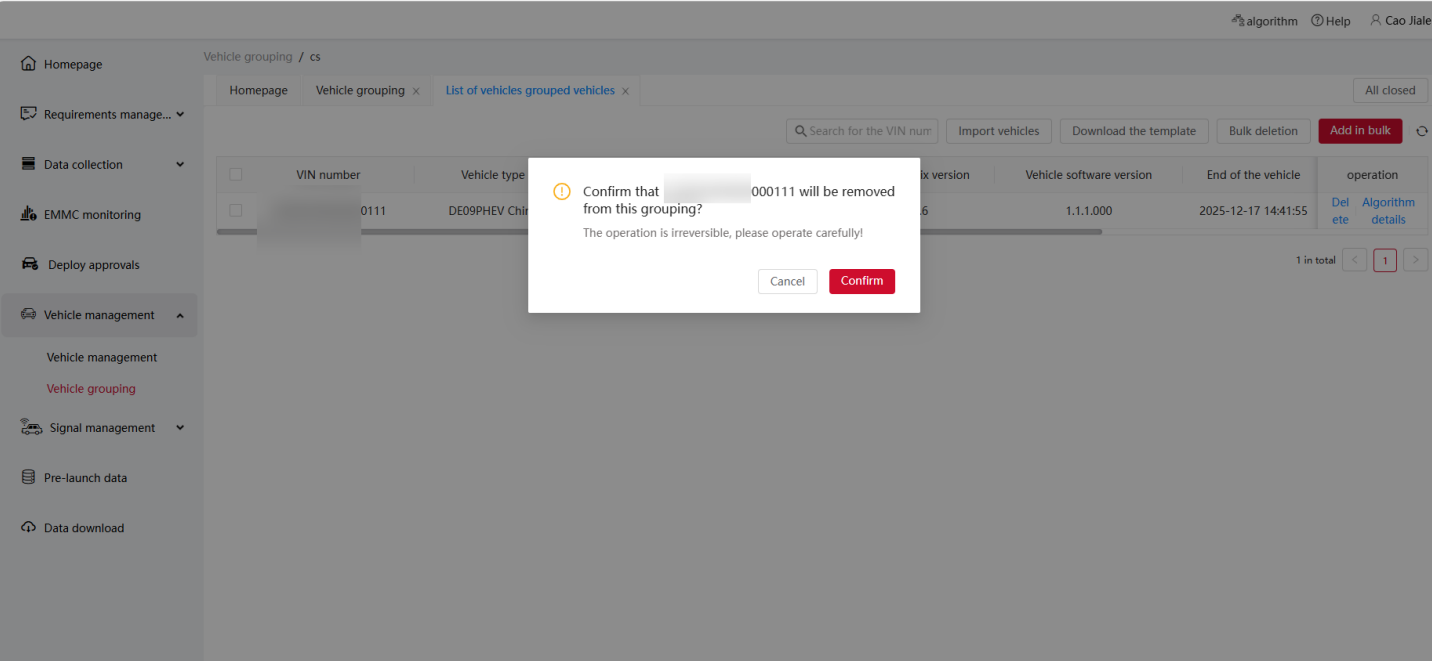
14. Signal Management

Signal management allows you to view the signal information synchronized from the TSP.

Click Signal Management in the menu bar to enter the signal management page.

- Display the tabs of Signal Matrix, Signal Cluster, Signal List, SOME/IP and Signal Bus.
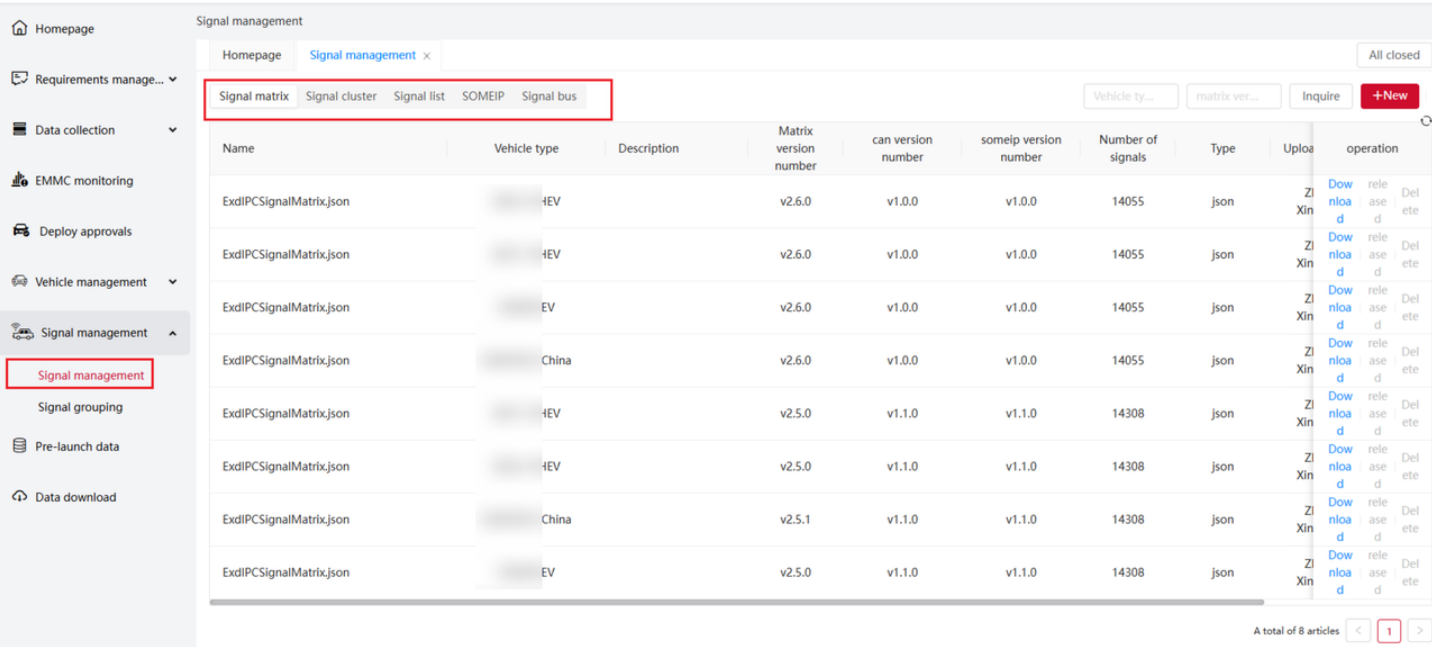
14.1. Signal Matrix

Enter the **Signal Matrix** tab to display the list of signal matrix files.

- The list displays the signal matrix name, vehicle model, version number, CAN version number, SOME/IP version number, signal count, upload user, upload time, and operations.

- Click New, fill in the corresponding configurations, and a signal matrix will be created.

Signal management

| | Homepage | Signal management × | | | | | | | |

Create a signal matrix ✕

Signal matrix Signal cluster Signal list SOMEIP Signal bus

Vehicle ty...

Vehicle type *

Name	Vehicle type	Description	Matrix version number	can version number	someip version number	Number of signals
ExdIPCSignalMatrix.json	PHEV		v2.6.0	v1.0.0	v1.0.0	14055
ExdIPCSignalMatrix.json	PHEV		v2.6.0	v1.0.0	v1.0.0	14055
ExdIPCSignalMatrix.json	HEV		v2.6.0	v1.0.0	v1.0.0	14055
ExdIPCSignalMatrix.json	DI V China		v2.6.0	v1.0.0	v1.0.0	14055
ExdIPCSignalMatrix.json	PHEV		v2.5.0	v1.1.0	v1.1.0	14308
ExdIPCSignalMatrix.json	PHEV		v2.5.0	v1.1.0	v1.1.0	14308
ExdIPCSignalMatrix.json	DI V China		v2.5.1	v1.1.0	v1.1.0	14308
ExdIPCSignalMatrix.json	HEV		v2.5.0	v1.1.0	v1.1.0	14308

can version number

someip version number

Description

Description

0 / 200

Fill in the relevant configurations

Cancel   Are you sure

- Click Download in the Operations column to download the signal matrix.

- Click Publish in the Operations column to publish the signal matrix. Published items will be grayed out and unavailable for clicking.

- Click Delete in the Operations column to delete the signal matrix. Published items will be grayed out and unavailable for clicking.

Signal management

| | Homepage | Signal management × | | | | | | Download Signal Matrix | All closed |

Signal matrix Signal cluster Signal list SOMEIP Signal bus

Vehicle ty...   matrix   Inquire   +New

Name	Vehicle type	Description	Matrix version number	can version number	someip version number	Number of signals	Type	Uploa	operation
ExdIPCSignalMatrix.json	EV		v2.6.0	v1.0.0	v1.0.0	14055	json	ZI Xin	Download · release · Delete
ExdIPCSignalMatrix.json	EV		v2.6.0	v1.0.0	v1.0.0	14055	json	ZI Xin	Download · release · Delete
ExdIPCSignalMatrix.json	V		v2.6.0	v1.0.0	v1.0.0	14055	json	ZI Xin	Download · release · Delete
ExdIPCSignalMatrix.json	China		v2.6.0	v1.0.0	v1.0.0	14055	json	ZI Xin	Download · release · Delete
ExdIPCSignalMatrix.json	EV		v2.5.0	v1.1.0	v1.1.0	14308	json	ZI Xin	Download · release · Delete
ExdIPCSignalMatrix.json	EV		v2.5.0	v1.1.0	v1.1.0	14308	json	ZI Xin	Download · release · Delete
ExdIPCSignalMatrix.json	China		v2.5.1	v1.1.0	v1.1.0	14308	json	ZI Xin	Download · release · Delete
ExdIPCSignalMatrix.json	V		v2.5.0	v1.1.0	v1.1.0	14308	json	ZI Xin	Download · release · Delete

A total of 8 articles ‹ 1 ›

14.2. Signal Cluster

Click the Signal Cluster tab to display the signal cluster list.

- The list displays signal cluster name, storage type, source, creation time, and operations.

- Fuzzy search is supported for signal cluster names.

- Click Edit in the Operations column to modify the storage type of this signal cluster.

14.3. SOME/IP

Click the SOME/IP tab to display the SOME/IP list.
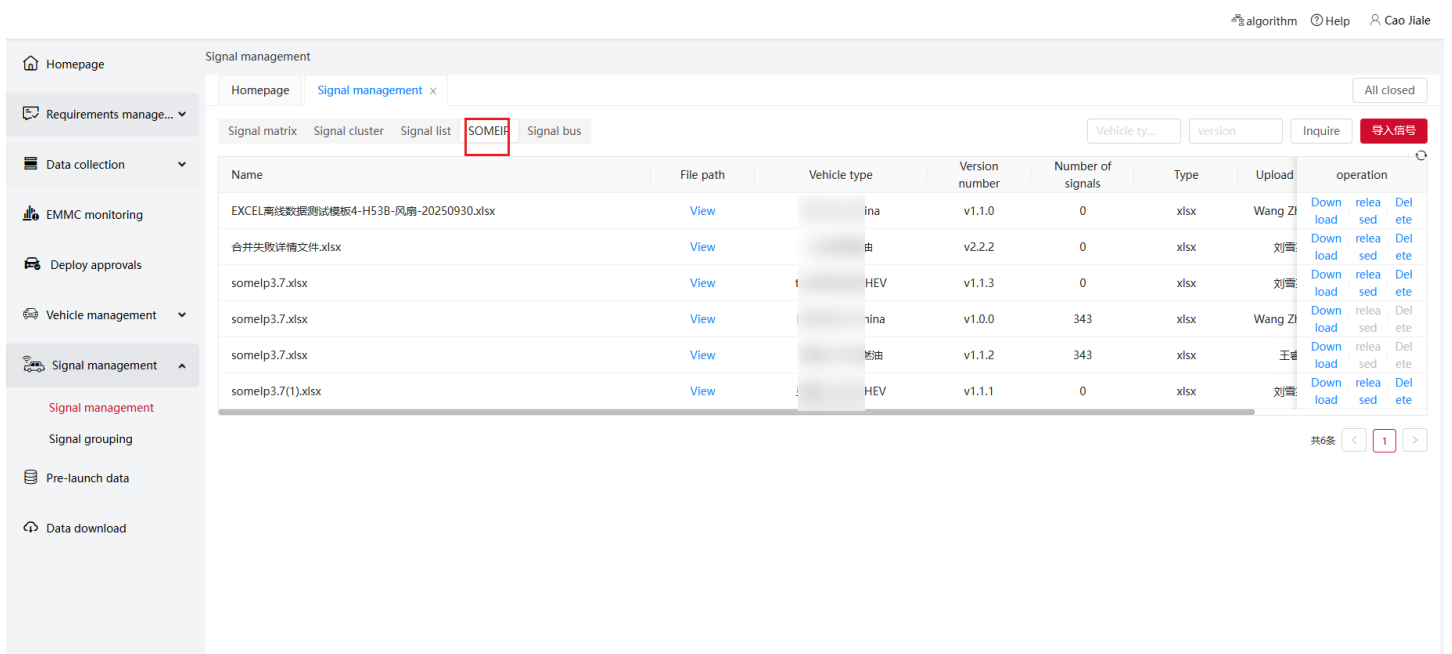
- The list displays file name, file path, version number, type, signal size, upload user, upload time, and operations.

- Click the Import Signals button to bring up the signal import configuration dialog box. Select the vehicle model, fill in the version number and description, choose the signal file, and click Confirm to import the signal file; click Cancel to abort the import operation.

- Click Download in the Operations column to download the signal file.

- Click Publish in the Operations column to publish the signal file. Published files will be grayed out and unavailable for clicking.

- Click Delete in the Operations column to delete the signal file. Published files will be grayed out and unavailable for clicking.

14.4 Signal List

Click the Signal List tab to display the signal list.

- The list displays signal name, vehicle model, signal type, version number, message name, message length, upload time, etc.

- Click the Query button to view the detailed information of the desired signal name.
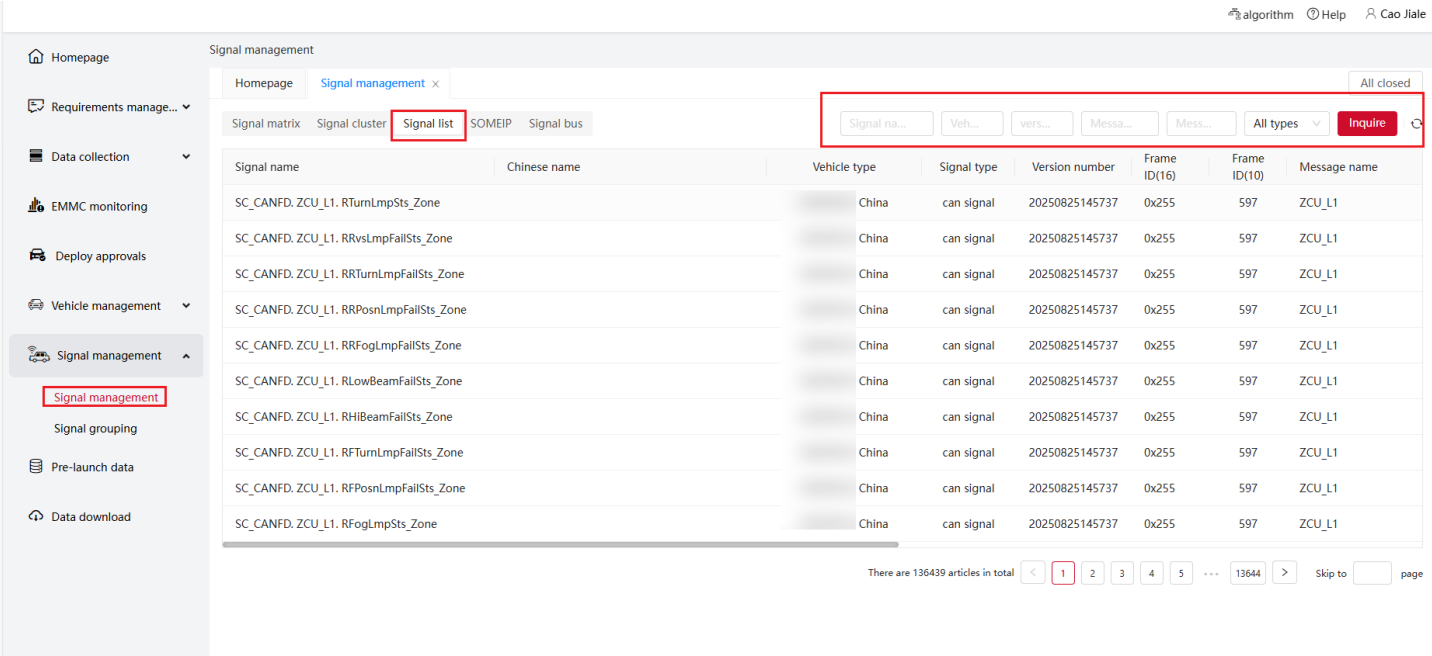
14.5 Signal Bus

Click the **Signal Bus** tab to display the signal bus list.
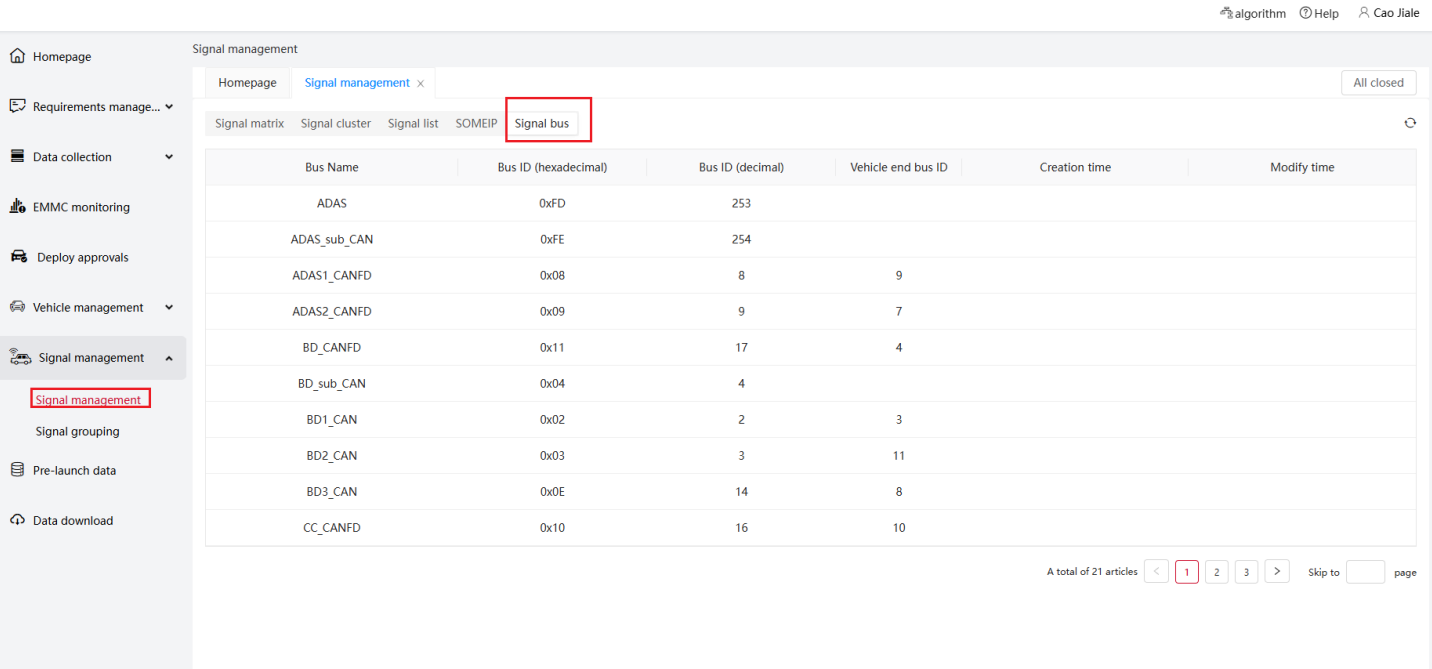
- The list displays bus name, bus ID, vehicle-side bus ID, creation time, and modification time.
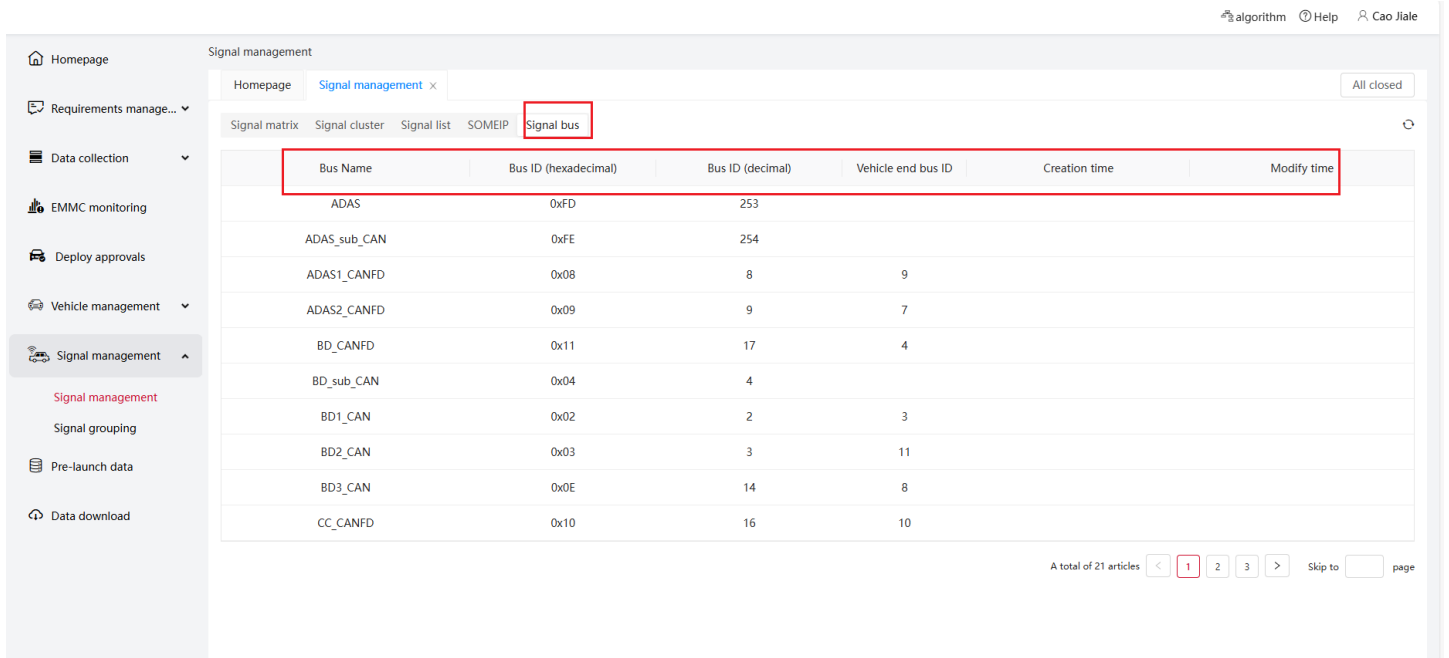
15. Signal Grouping

Click Signal Grouping in the menu bar to enter the signal grouping management interface.

- The list displays signal group name, description, signal size, creation time, and operations.

- Fuzzy search is supported for signal group names.

- Operation in the action items: Delete.
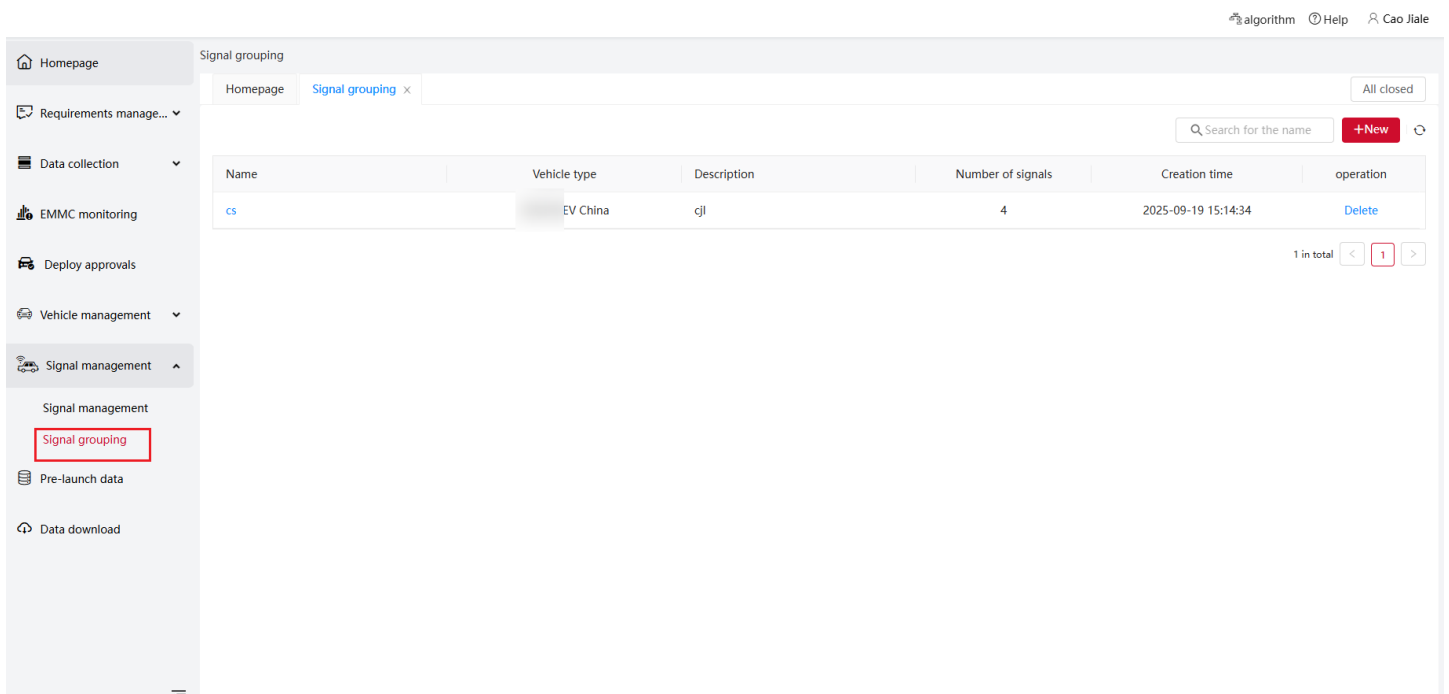
15.1 Create New Group

Click the New button to bring up the "Create Signal Group" right drawer.
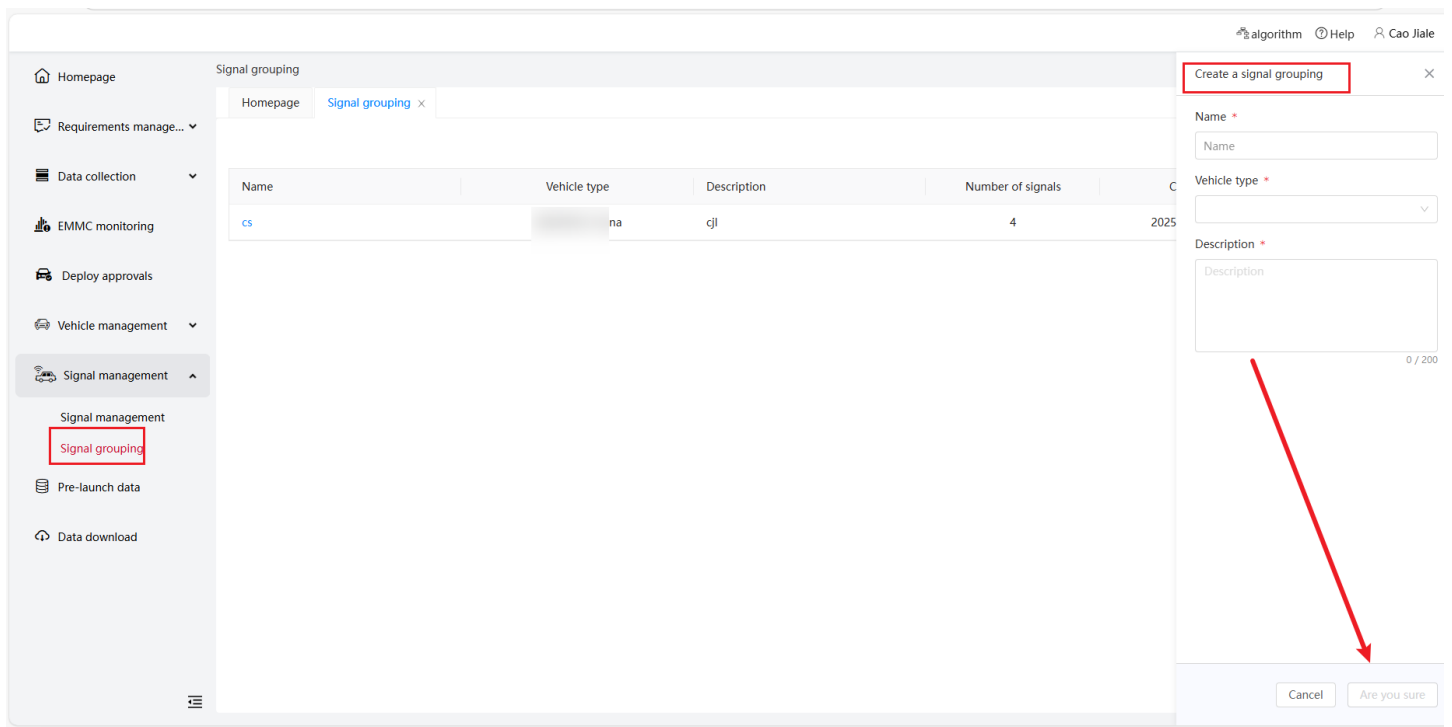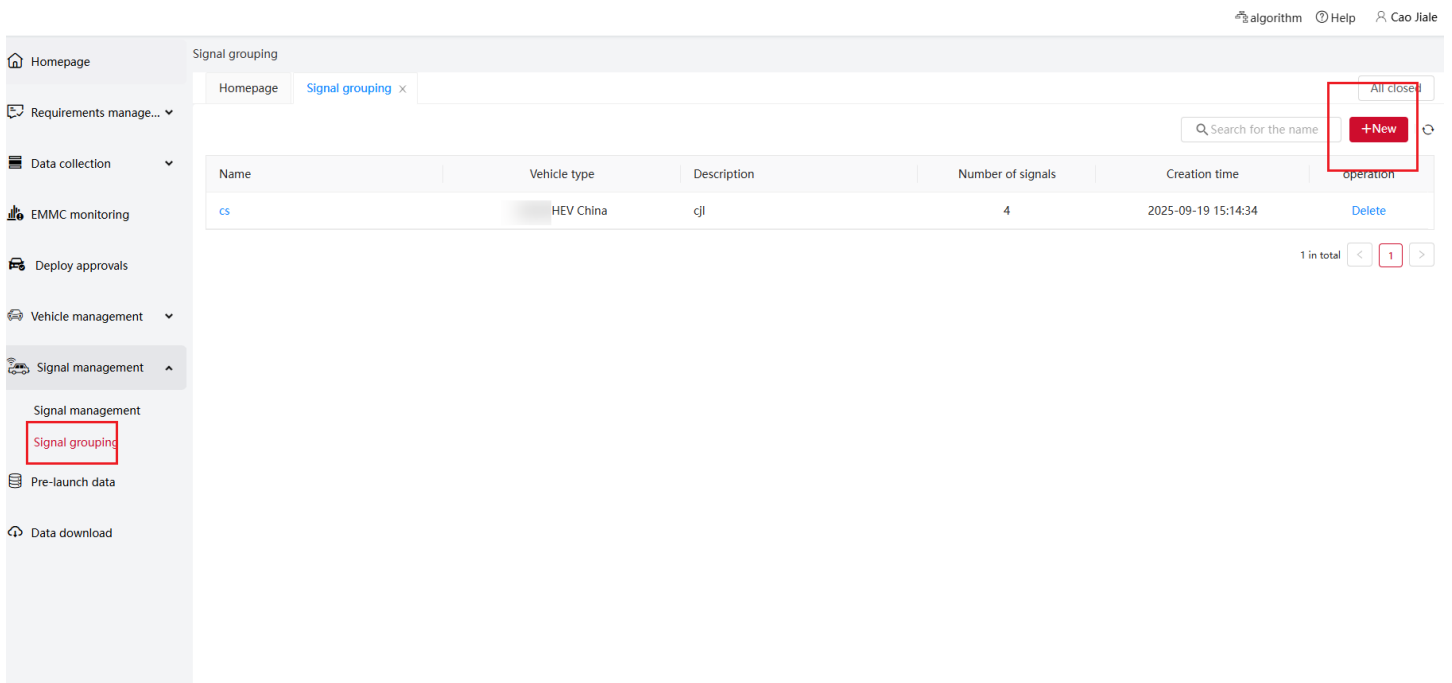
15.2 Delete Group

Click Delete in the Operations column to bring up the deletion confirmation dialog box.

- Click the Confirm button to delete this signal group.
- Click the Cancel button to abort the deletion operation.
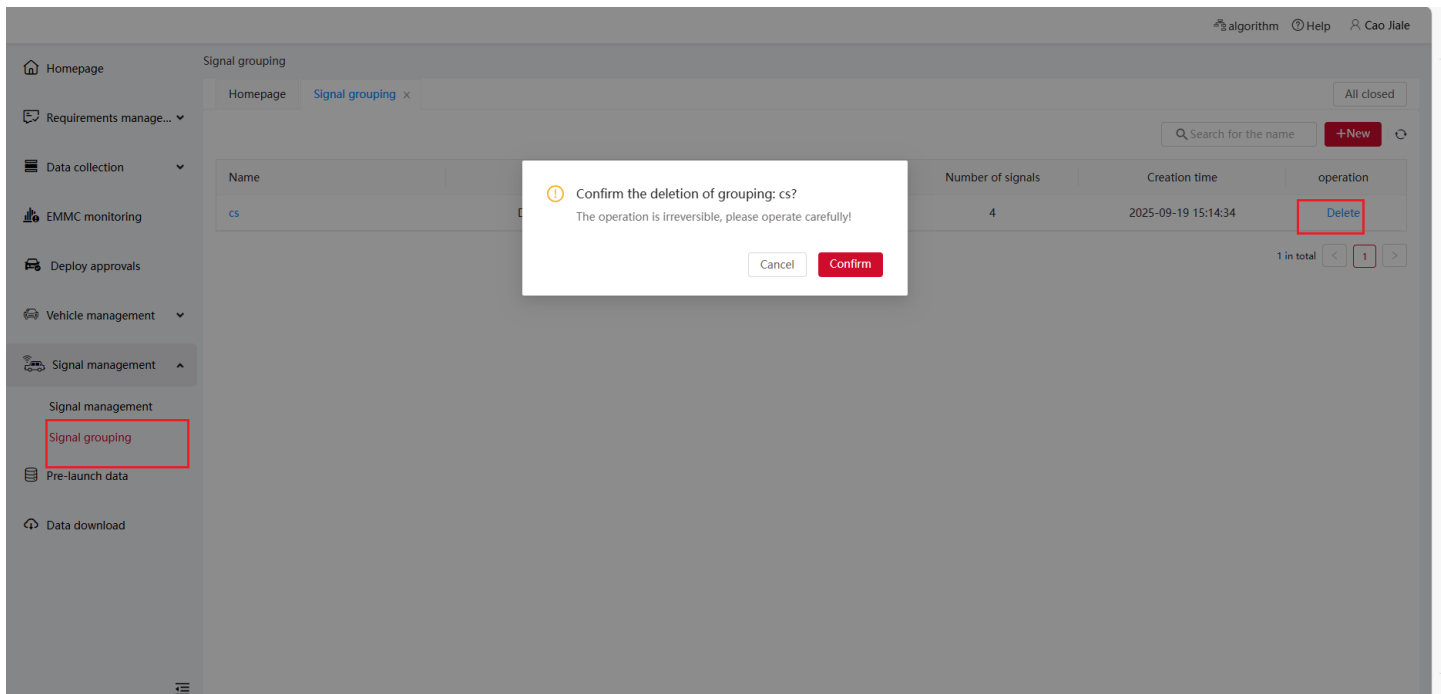
15.3 Signal Management for Signal Groups

Click the name in the signal group list to enter the signal management interface of the corresponding signal group.

Click the group name to enter the signal management interface

Signal grouping / cs

| Homepage | Signal grouping ✕ | Signal grouping list of signals ✕ | | All closed |

🔍 Search for signals unde   Import signal   Download the template   **New signals** ⟳

Name	Data source	version	Upload users	Creation time	operation
ADAS1_CANFD. ABM1. Checksum_ABM1	Signal matrix	v1.0.3	Cao Jiale	2025-09-19 15:14:43	Delete
ADAS1_CANFD. ABM1. AirbFailLmpCmd	Signal matrix	v1.0.3	Cao Jiale	2025-09-19 15:14:43	Delete
ADAS1_CANFD. ABM1. CrashOutputSts	Signal matrix	v1.0.3	Cao Jiale	2025-09-19 15:14:43	Delete
ADAS1_CANFD. ABM1. DrvSBR	Signal matrix	v1.0.3	Cao Jiale	2025-09-19 15:14:43	Delete

4 articles in total ‹ 1 ›

Sidebar:
- 🏠 Homepage
- 💬 Requirements manage... ⌄
- 📊 Data collection ⌄
- 📈 EMMC monitoring
- 🚗 Deploy approvals
- 🚙 Vehicle management ⌄
- 🚚 Signal management ⌃
  - Signal management
  - Signal grouping
- 🗄 Pre-launch data
- ☁ Data download

15.3.1 Signal List in the Group

- The list displays signal name, signal version, upload user, creation time, and operations.

- Fuzzy search is supported for signals within the group.

- Signals can be added, imported, or deleted.

15.3.1.1 Add Group Signals

Click the Add Signal button to open the right-side drawer, and select signals to add to this group.

- Select the signal version.

- Filter or search for signals by fuzzy match.

- The Selected Signals list displays the number of selected signals, and you can deselect all signals.

- Hover the mouse over a selected signal to show the Delete icon; click the icon to deselect the signal.

- Click OK to add the selected signals to this signal group.

- Click Cancel to abort the signal addition operation.
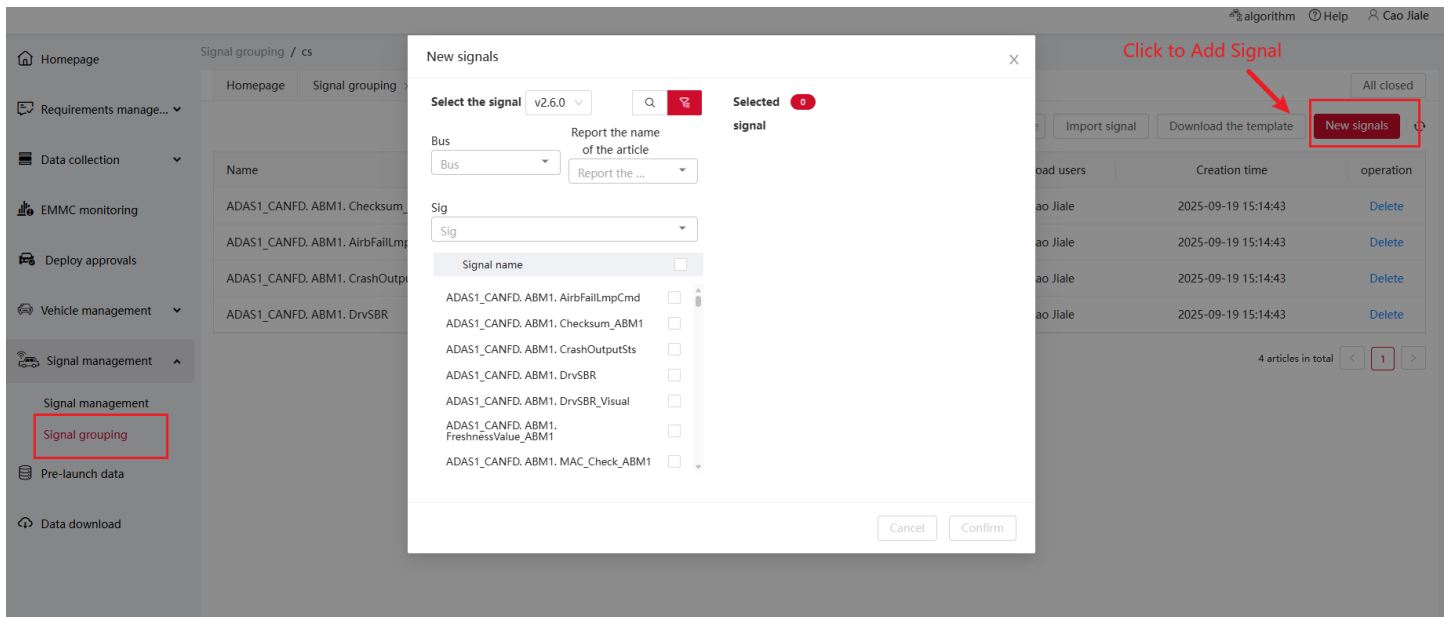
15.3.1.2 Delete Group Signals

Click Delete in the operation menu to bring up the deletion confirmation dialog box. Click Confirm to remove the signal from this group; click Cancel to abort the deletion operation.
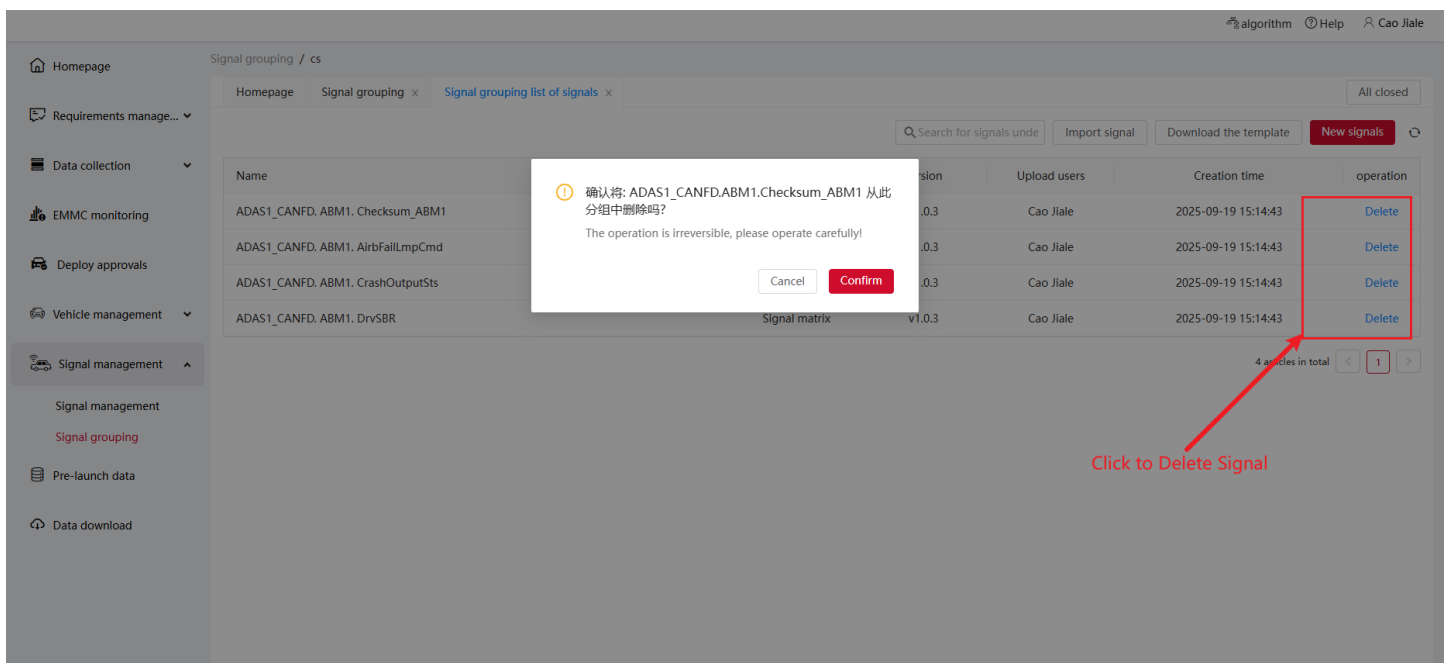
16. Requirement Approval

Users with approval permissions shall review the submitted requirement applications, estimate the cloud and vehicle-side resource costs and deployment feasibility, and confirm the data collection scheme.

Note: The data on the requirement approval page can only be viewed and approved by the designated reviewers assigned in the requirement management module.

- Click Requirement Approval in the menu bar to access the requirement approval page.
- The page displays three tabs: Pending Approval, Approved, and Rejected.
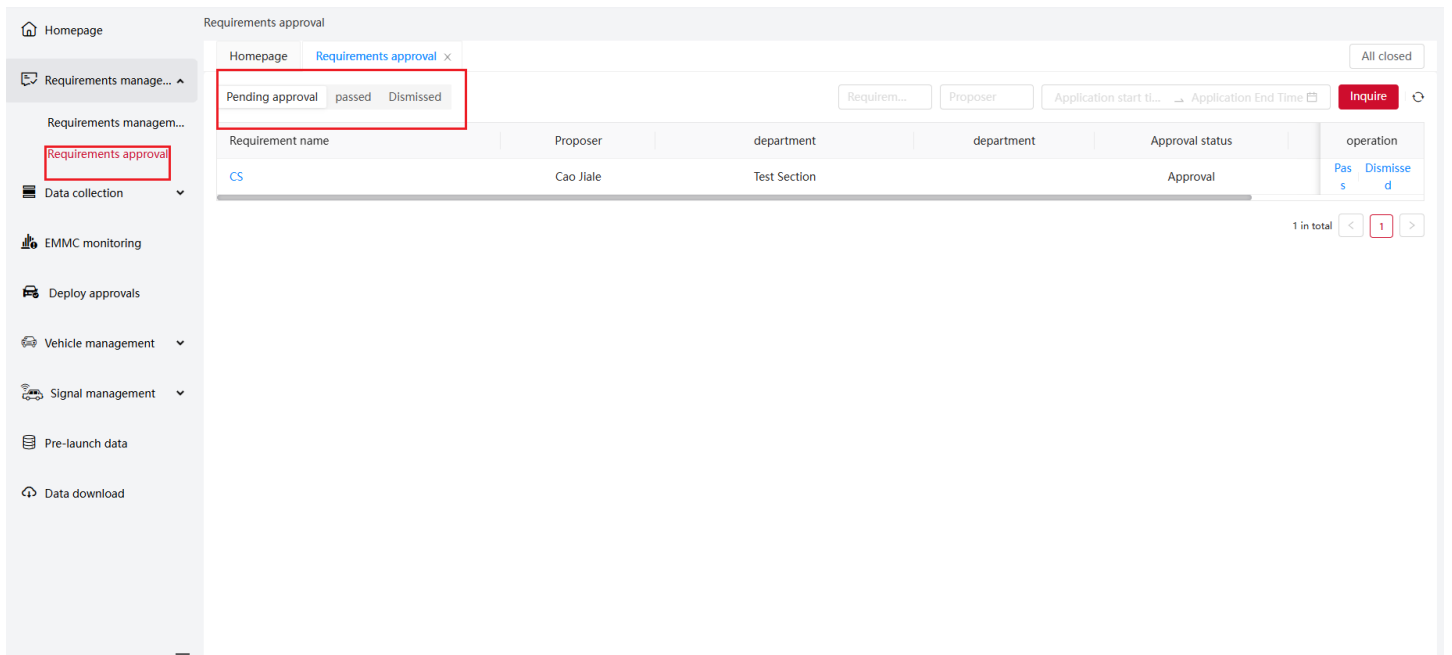
16.1 Pending Approval

Access the Pending Approval tab to display the list of pending approvals.
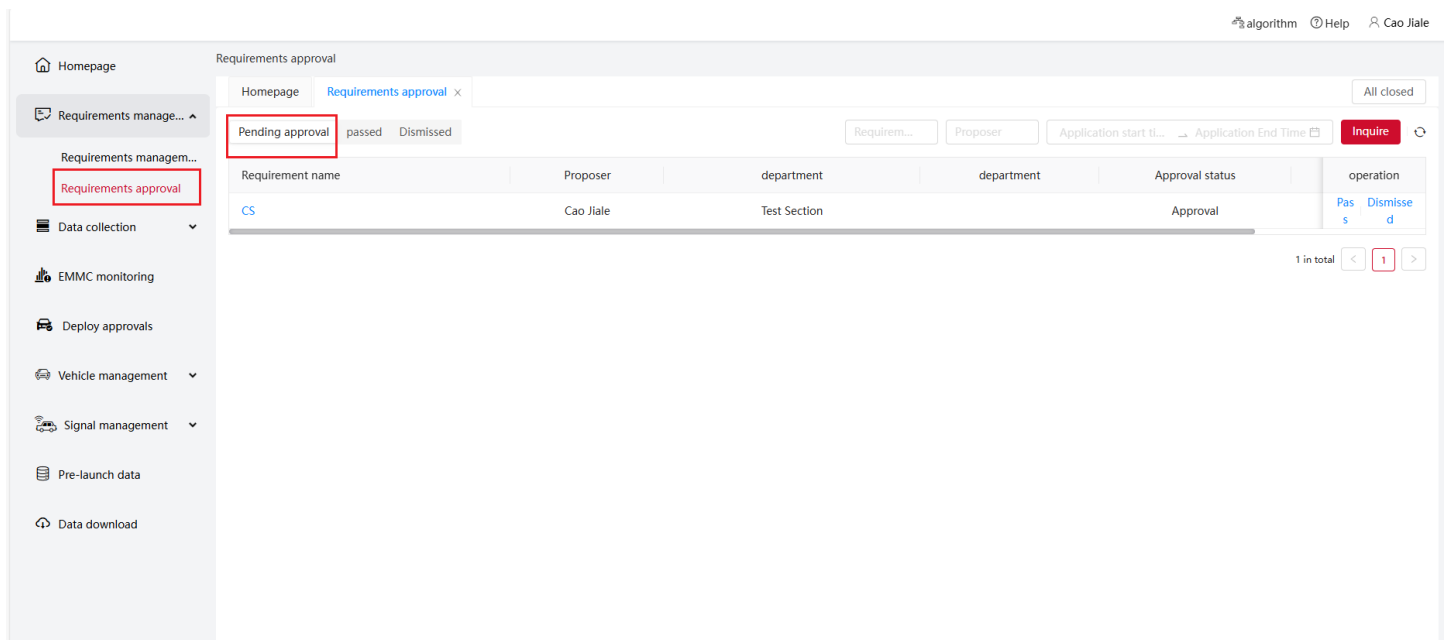
- The list displays the requirement name, proposer, department, approval status, application time and operations.

- List data is sorted in reverse chronological order by the application time of requirement deployment.

- Click the requirement name to jump to the requirement details page.

Click the requirement name to access the requirement details page.

- Display relevant information of the requirement (proposer, proposer's employee ID, email address, phone number, section, department, requirement name, data collection purpose, business value, requirement description, vehicle model, number of signals, contact person, etc.).

16.1.1 Approve the Application

Click Approve to pass the requirement and fill in the approval comments. Approved requirements can be viewed in the Approved tab.

Requirements approval

Homepage	Requirements approval ×		All closed

Pending approval passed Dismissed

Requirem... | Proposer | Application start ti... → Application End Time | Inquire

Requirement name	Proposer	department	department	Approval status	operation
CS	Cao Jiale	Test Section		Approval	Pass Dismissed

1 total ‹ 1 ›

Click Approve to pass the requirement.

Requirements approval

Homepage	Requirements approval ×		All closed

Pending approval passed Dismissed

Requirem... | Proposer | Application start ti... → Application End Time | Inquire

Requirement name	Proposer	department	department	Approval status	Application time	operation
Air conditioning monitoring	Cao Jiale	Test Section		passed	2025-10-22 15:34:16	View
1111	Cao Jiale	Test Section		passed	2025-10-14 17:33:34	View
ccce	Cao Jiale	Test Section		passed	2025-10-14 13:28:47	View
ww	Cao Jiale	Test Section		passed	2025-09-23 15:40:37	View

4 articles in total ‹ 1 ›

16.1.2 Reject the Application

Click Reject to turn down the requirement and fill in the rejection comments. Rejected requirements can be viewed in the Rejected tab.

Click Reject to reject the requirement.

16.2 Approved

Enter the Approved tab to display the list of approved items.

- Click View to check the approval comments.
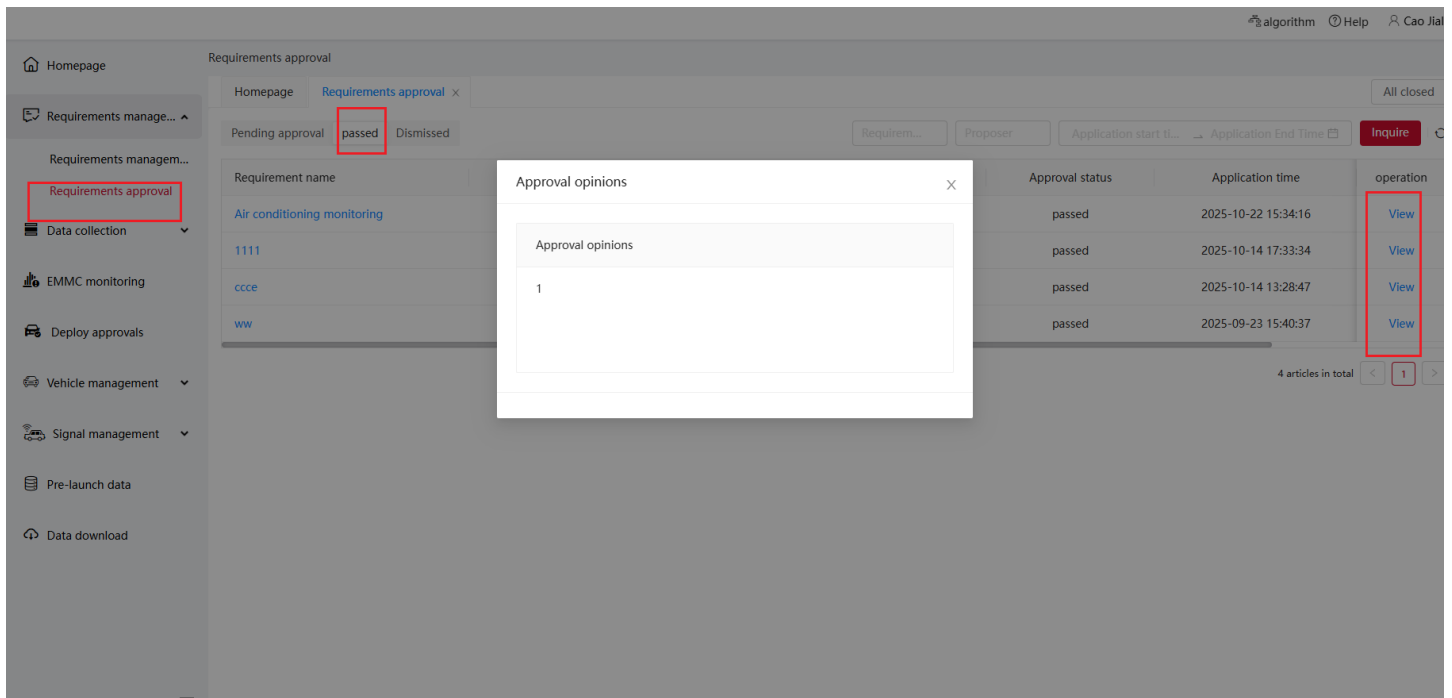
16.3 Rejected

Enter the Rejected tab to display the list of rejected items.

- Click View to check the approval comments.
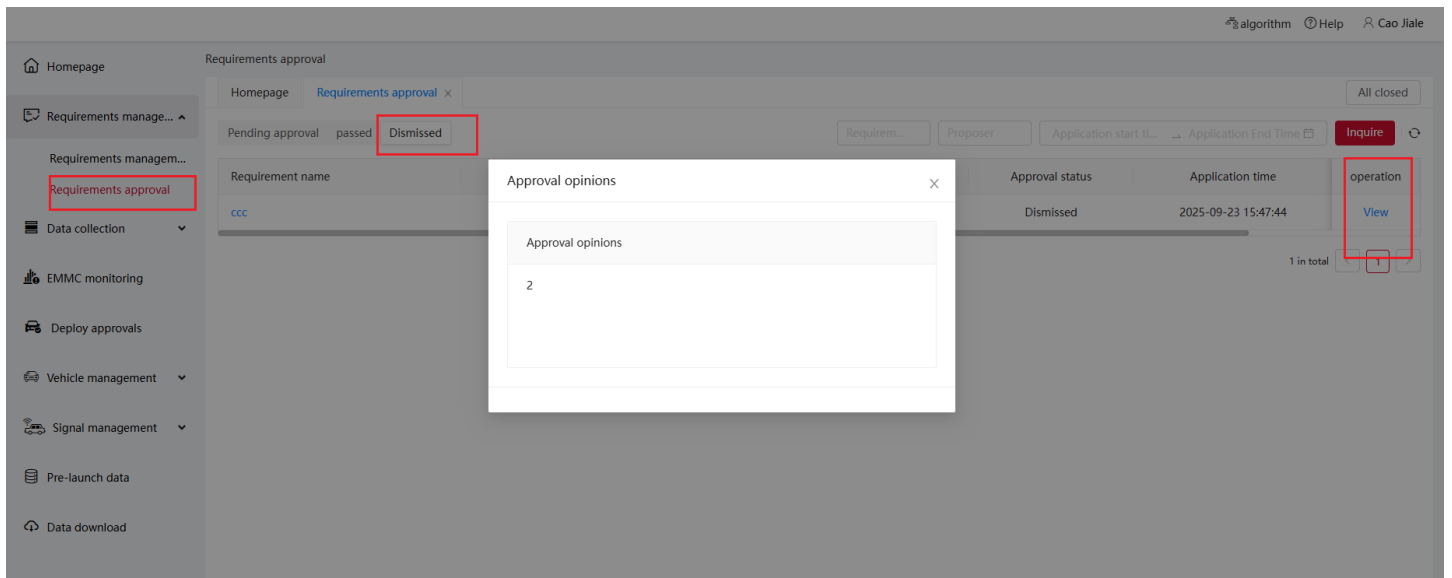
17. Platform Approval

- First-level review of data collection tasks. Verify whether the collection tasks meet business requirements.
- Click XXX to access the Platform Approval module.

17.1 Data List

- The page displays tabs for Pending Approval, Approved, and Rejected.

- The list shows task name, collection type, algorithm name, deployment status, creator, application time, operations, etc.

- List data is sorted in descending order by the application time of collection deployment.

- Click a task name to navigate to the collection task details page.

Click the task name to navigate to the details page of the data collection task.

17.2 Approve the Review

Click Approve to deploy the algorithm to the vehicle terminal. View the deployed algorithm in the Approved tab and check the deployment status on the Deployment History page.

platform approval

| Pending approval | passed | Dismissed | | | Task name | All types ∨ | Application start ti... ⇄ Application End Time 📅 | Inquire | ↻ |

Task name	Collection type	Algorithm name	Deployment status	Approval identification information	The total number of new vehicles	Delete the total number of vehicles	The total number of new signals	Delet total n of sig	operation	
zkf_his_20251125-v14w6	Historical calculations	Historical calculations - left rear door	⏱ Pending approval	Added	1	0	1	(	Pas s / Dismisse d / Vie w
zkf_his_20251125-V14W	Historical calculations	Historical calculations - left rear door	⏱ Pending approval	Added	1	0	1	(	Pas s / Dismisse d / Vie w
zkf_his_20251125-v14	Historical calculations	Historical calculations - left rear door	⏱ Pending approval	Added	1	0	1	(	Pas s / Dismisse d / Vie w
xwdx	Historical calculations	Historical calculations - left rear door	⏱ Pending approval	Added	1	0	50	(	Pas s / Dismisse d / Vie w
zkf_his_20251120-v1-c...	Historical calculations	Event Algorithm-1	⏱ Pending approval	Added	1	0	1	(	Pas s / Dismisse d / Vie w
jiekoutest	Historical calculations	Event Algorithm-1	⏱ Pending approval	Added	1	0	52	(	Pas s / Dismisse d / Vie w
Test use 02	Historical calculations	Historical calculations - left rear door	⏱ Pending approval	Added	1	0	50	(	Pas s / Dismisse d / Vie w
New Environment Coll...	Event Collection	Time monitoring algorithm	⏱ Pending approval	Update	1	0	0	(	Pas s / Dismisse d / Vie w
tesy02	Historical calculations	Historical calculations - left rear door	⏱ Pending approval	Added	1	0	52	(	Pas s / Dismisse d / Vie w
his_20250925-v5	Historical calculations	Event Algorithm-1	⏱ Pending approval	Added	1	0	2	(	Pas s / Dismisse d / Vie w

There are 14 articles in total < 1 2 > Skip to ___ page

platform approval

| Pending approval | passed | Dismissed | | | Task name | All types ∨ | Application start ti... ⇄ Application End Time 📅 | Inquire | ↻ |

Task name	Collection type	Algorithm name	Deployment status	Approval identification information	The total number of new vehicles	Delete the total number of vehicles	The total number of new signals	Delet total n of sig	operation
Test use - can be deleted	Event Collection	Event algorithm tj-s	⊘ passed	Update	1	0	0	(	View
test01_copy	Event Collection	Event algorithm - left back door	⊘ passed	Added	2	0	1	(	View
Real car test - can be d...	Event Collection	Event algorithm - left back door	⊘ passed	Update	1	0	0	(	View
zkf_event-20251125-v1	Event Collection	Event algorithm - left back door	⊘ passed	Update	1	0	0	(	View
his_20251212_1	Historical calculations	Event Algorithm-1	⊘ passed	Added	1	0	52	(	View
zkf_his_20251211-v2	Historical calculations	Event Algorithm-1	⊘ passed	Added	1	0	1	(	View
zkf_his_20251211-v1	Historical calculations	Event Algorithm-1	⊘ passed	Added	1	0	1	(	View
zkf_his_20251208-v3	Historical calculations	Event Algorithm-1	⊘ passed	Added	1	0	1	(	View
zkf_his_20251208-v2	Historical calculations	Event Algorithm-1	⊘ passed	Added	1	0	1	(	View
zkf_his_20251208-v1	Historical calculations	Event Algorithm-1	⊘ passed	Added	1	0	1	(	View

There are 112 articles in total < 1 2 3 4 5 ··· 12 > Skip to ___ page

17.3 Reject the Review

Click Reject and the algorithm will not be delivered. You can view the rejected algorithms in the Rejected tab, and the deployment status will display as Rejected on the Deployment History page.

17.4 Query Data

- List data can be filtered by collection task name, collection type (event collection, periodic collection, historical query, log collection, matrix update) and application time. (Combined query is supported across the Pending Approval, Approved and Rejected tabs.)

- Click View to bring up a dialog box and check the deployment approval comments.

18. Deployment Approval

- Click Deployment Approval in the menu bar to access the deployment approval page.

- Secondary review of data collection tasks. For a collection task, re-verify whether it meets the business requirements.

18.1 Data List

- The list displays task name, collection type, algorithm name, deployment status, approval identifier, total number of newly added vehicles, total number of deleted vehicles, total number of newly added signals, total number of deleted signals, creator, application time and operations.

- List data can be filtered by collection task name, collection type (event collection, periodic collection, historical calculation, matrix update), status type (all statuses, under GWM review, rejected by GWM, undeployed, pending approval, rejected) and application time.

- List data is sorted in descending order by the application time of collection deployment.

- Click a task name to navigate to the collection task details page.

- Deployment Status:

  a. Pending Approval: The status when the task has not been submitted for internal GWM review.

  b. Under GWM Review: The status when the task has been submitted for internal GWM review and is pending a result.

  c. Undeployed: The status when the task has passed internal GWM review but has not yet been deployed to the vehicle terminal.

d. Rejected by GWM: The status when the task has failed internal GWM review.

e. Rejected: The status after clicking the Reject button, which applies when the task has passed internal GWM review but cannot be deployed and delivered due to other reasons.

f. Deployed: The status after clicking the Deploy button, which applies when the task has passed internal GWM review.

18.2 Approve Deployment

Click Deploy to deploy the algorithm to the vehicle terminal.

Deploy approvals

Homepage	Deploy approvals ×										All closed

Task name	Collection type	Algorithm name	Deployment status	Approval identification information	The total number of new vehicles	Delete the total number of vehicles	The total number of new signals	Delete the total number of signals	C	operation
Test use - can be deleted	Event Collection	Event algorithm tj-s	⊘ deployed	Update	1	0	0	0	Z	deploy ment / Dismis sed / ...
test01_copy	Event Collection	Event algorithm - left back door	⊘ deployed	Added	2	0	1	0	K	deploy ment / Dismis sed / ...
Real car test - can be dele...	Event Collection	Event algorithm - left back door	⊘ deployed	Update	1	0	0	0		deploy ment / Dismis sed / ...
zkf_event-20251125-v1	Event Collection	Event algorithm - left back door	⊘ deployed	Update	1	0	0	0	K	deploy ment / Dismis sed / ...
his_20251212_1	Historical calculations	Event Algorithm-1	⊘ deployed	Added	1	0	52	0	W	deploy ment / Dismis sed / ...
zkf_his_20251211-v2	Historical calculations	Event Algorithm-1	⊘ deployed	Added	1	0	1	0	K	deploy ment / Dismis sed / ...
zkf_his_20251211-v1	Historical calculations	Event Algorithm-1	⊘ deployed	Added	1	0	1	0	K	deploy ment / Dismis sed / ...
zkf_his_20251208-v3	Historical calculations	Event Algorithm-1	⊘ deployed	Added	1	0	1	0	K	deploy ment / Dismis sed / ...
zkf_his_20251208-v2	Historical calculations	Event Algorithm-1	⊘ deployed	Added	1	0	1	0	K	deploy ment / Dismis sed / ...
zkf_his_20251208-v1	Historical calculations	Event Algorithm-1	⊘ deployed	Added	1	0	1	0	K	deploy ment / Dismis sed / ...

A total of 146 articles 1 2 3 4 5 … 15 > Skip to ___ page

18.3 Reject Deployment

- Click Reject to reject the deployment task, fill in the rejection comments, and the data collection task will not be delivered to the vehicle terminal.

Deploy approvals

Homepage	Deploy approvals ×										All closed

Task name	Collection type	Algorithm name	Deployment status	Approval identification information	The total number of new vehicles	Delete the total number of vehicles	The total number of new signals	Delete the total number of signals	C	operation
Test use - can be deleted	Event Collection	Event algorithm tj-s	⊘ deployed	Update	1	0	0	0	Z	deploy ment / Dismis sed / ...
test01_copy	Event Collection	Event algorithm - left back door	⊘ deployed	Added	2	0	1	0	K	deploy ment / Dismis sed / ...
Real car test - can be dele...	Event Collection	Event algorithm - left back door	⊘ deployed	Update	1	0	0	0	K	deploy ment / Dismis sed / ...
zkf_event-20251125-v1	Event Collection	Event algorithm - left back door	⊘ deployed	Update	1	0	0	0	K	deploy ment / Dismis sed / ...
his_20251212_1	Historical calculations	Event Algorithm-1	⊘ deployed	Added	1	0	52	0	W	deploy ment / Dismis sed / ...
zkf_his_20251211-v2	Historical calculations	Event Algorithm-1	⊘ deployed	Added	1	0	1	0	K	deploy ment / Dismis sed / ...
zkf_his_20251211-v1	Historical calculations	Event Algorithm-1	⊘ deployed	Added	1	0	1	0	K	deploy ment / Dismis sed / ...
zkf_his_20251208-v3	Historical calculations	Event Algorithm-1	⊘ deployed	Added	1	0	1	0	K	deploy ment / Dismis sed / ...
zkf_his_20251208-v2	Historical calculations	Event Algorithm-1	⊘ deployed	Added	1	0	1	0	K	deploy ment / Dismis sed / ...
zkf_his_20251208-v1	Historical calculations	Event Algorithm-1	⊘ deployed	Added	1	0	1	0	K	deploy ment / Dismis sed / ...

A total of 146 articles 1 2 3 4 5 … 15 > Skip to ___ page

18.4 Query Data

- List data can be filtered by collection task name, collection type (event collection, periodic collection, historical query, log collection, matrix update), approval status (all statuses, under platform review, rejected by platform, deployed, pending approval, rejected) and application time.

18.5 More Operations "…"

Click … in the operation column to access more operations.

1. Urge Approval: Send a message via the interface to urge the reviewer to approve the task.

2. Withdraw: Send a message via the interface to withdraw the approval.

3. View Status: Bring up a dialog box to display the approval status.

18.5.1 Button Status

- Not Submitted: The functions of Urge Approval, Withdraw and View Status are not clickable.

- Under GWM Review: The functions of Urge Approval, Withdraw and View Status are clickable.

- Approved by GWM: The function of View Status is clickable; the functions of Urge Approval and Withdraw are not clickable.

- Rejected by GWM: The function of View Status is clickable; the functions of Urge Approval and Withdraw are not clickable.

- Under Review: The function of View Status is clickable; the functions of Urge Approval and Withdraw are not clickable.

- Rejected: The function of View Status is clickable; the functions of Urge Approval and Withdraw are not clickable.

- Deployed: The function of View Status is clickable; the functions of Urge Approval and Withdraw are not clickable

19. Pre-Startup Data

Display of pre-startup data, supporting online viewing and download of such data.

19.1 Data List

1. The list displays VIN, address, vehicle terminal time, creation time, and operations (View (Note: Two versions are available for user trial; only one will be retained in the final version). Download (Note: The second download option is time-calculated download, and the format must be selected as csv)).

2. Fuzzy search by VIN is supported.

3. Query by the start time and end time of data packet upload is supported.

4. Supported download formats: Defaults to blank. Available data formats: blf/asc/csv/vsw/mdf.

5. Click Refresh: Refresh the list information.

6. Click Address: A dialog box pops up to display the OBS storage path.

7. Click Download: A window pops up. Select the signals to be parsed in the window and click Confirm to download the data.
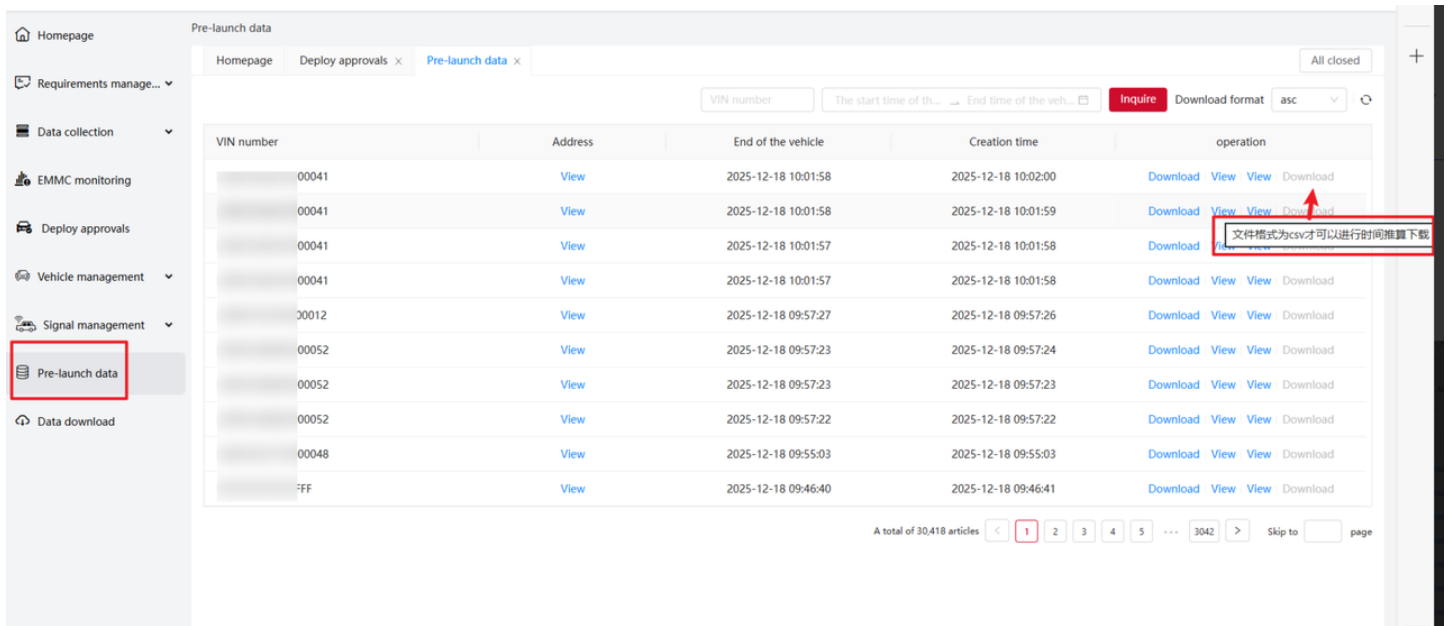
19.1.1 Download

Select the download format.

Click Download: A window pops up. Select the signals to be parsed in the window and click Confirm to download the data.
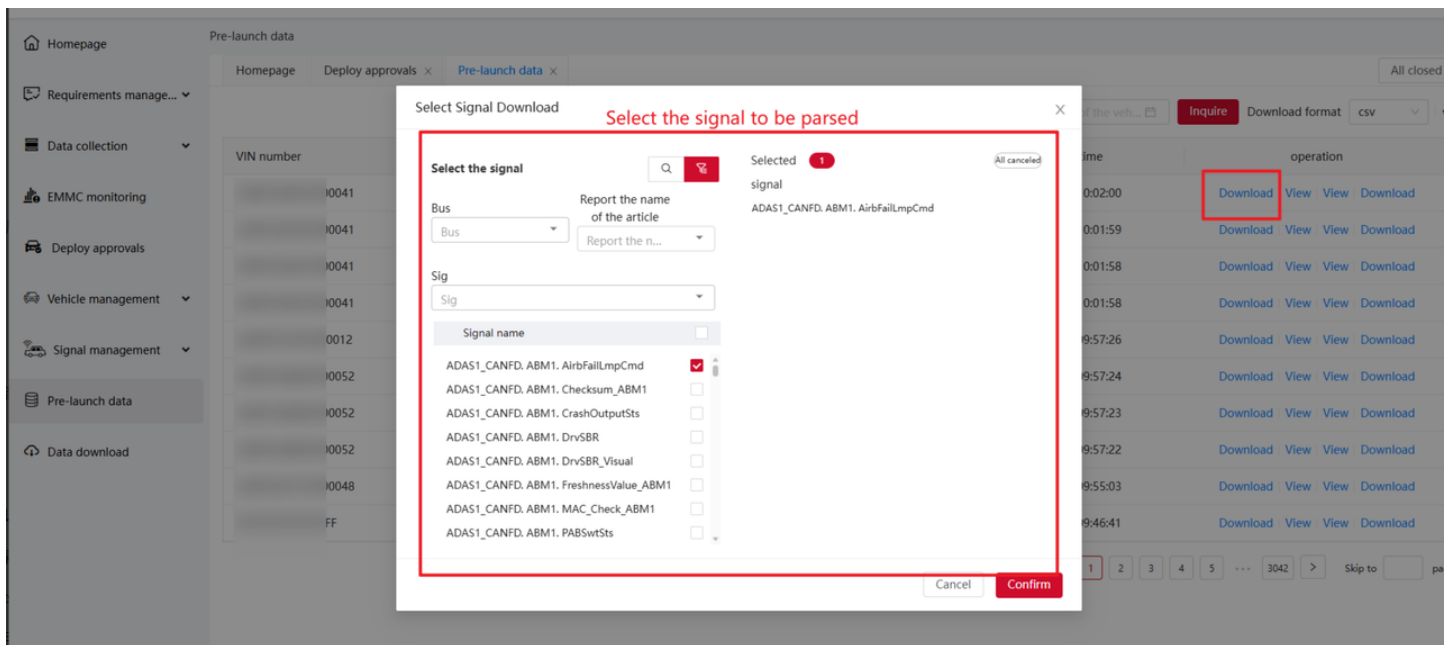
19.1.2 View

Click View: A window pops up. Select the signals to be viewed in the window and click Confirm to check the data.
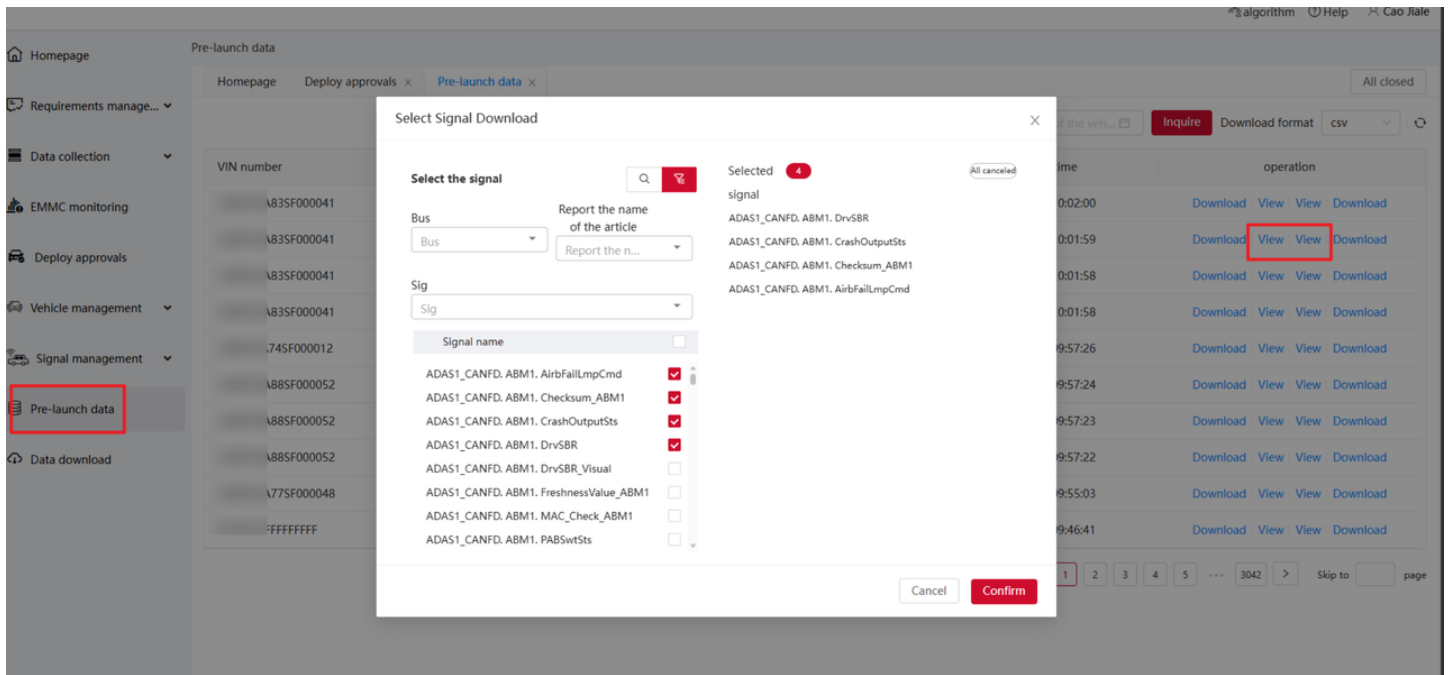
- **View (Version 1):**

- **View (Version 2):**

19.1.3 Time-Calculated Download

Select csv as the download format.

Click Download: A window pops up. Select the signals to be parsed in the window and click Confirm to download the data.
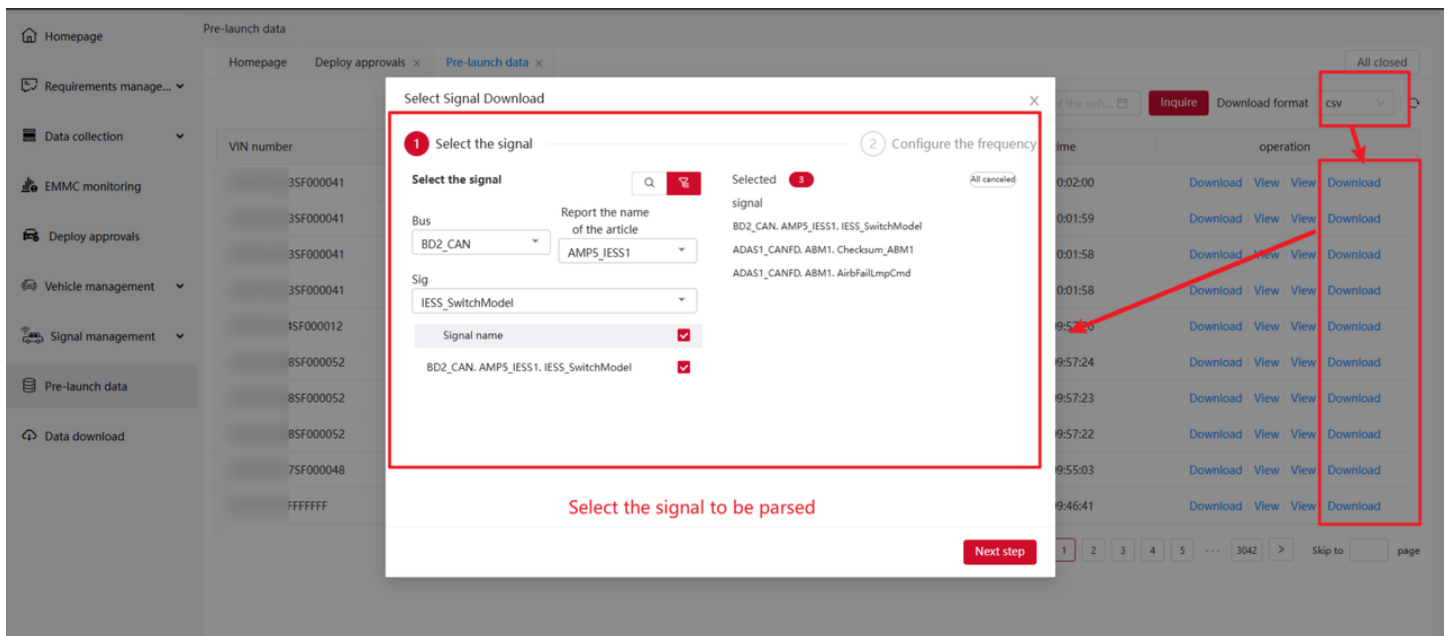
20. Data Download

The data download function supports the download and viewing of various collected data.

20.1 Data List

1. The list displays task name, VIN, data start time, data end time, download format, signal/message, download status, exception log, creator, creation time and operation (Download).

2. Fuzzy search by VIN is supported.

3. Filtering by download format is supported.

4. Refresh: Refresh the list information.

5. Exception Log: Displayed in gray and non-clickable for successful downloads; clickable to view specific exception details when an exception occurs.

6. Signal/Message: Click View to bring up a prompt box showing the signals/messages included in the download package.

20.1.1 Exception Log Viewing

- For successful downloads: The button is grayed out and non-clickable.

- For abnormal cases: Clickable to view specific exception details.

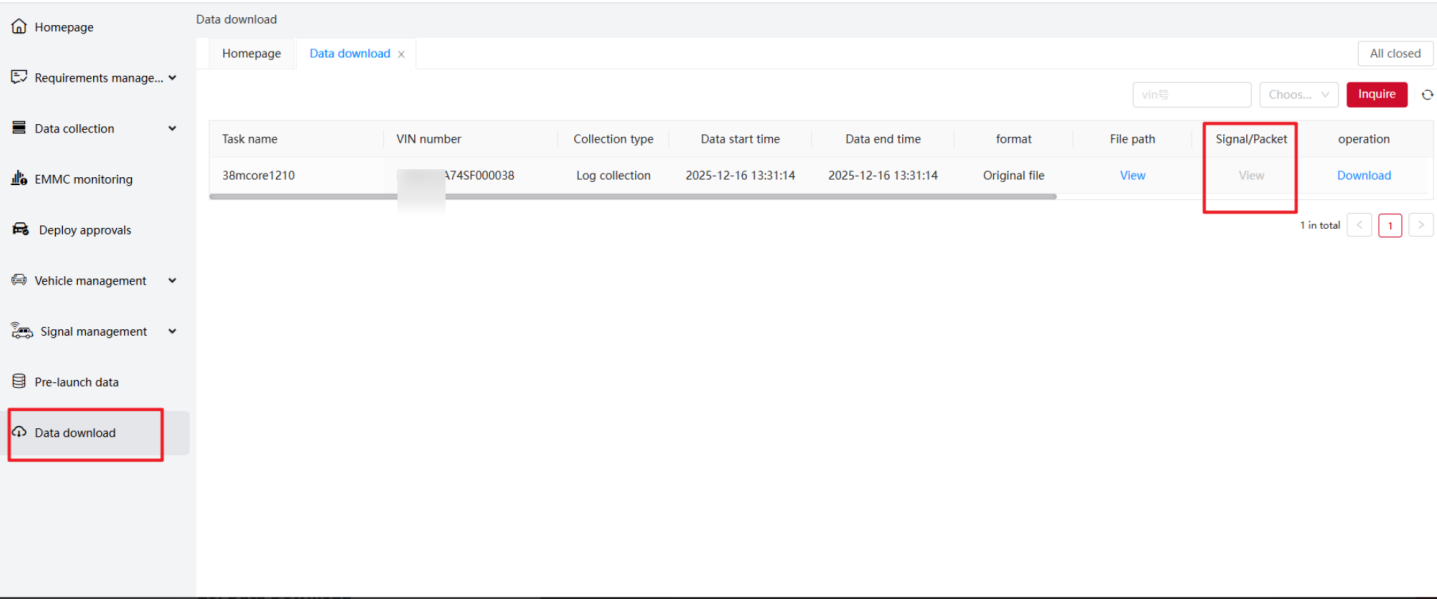Click View to bring up a prompt box displaying the signals/messages in the download package.

20.1.2 Download

Click Download: A window pops up. Select the intended use of the data to be downloaded in the window and click Confirm to proceed with the data download.

Homepage

Requirements manage... ▾

Data collection ▾

EMMC monitoring

Deploy approvals

Vehicle management ▾

Signal management ▾

Pre-launch data

Data download

| Homepage | Data download × | | | | | | All closed |

vin號　Choos... ▾　**Inquire**

Task name	VIN number		format	File path	Signal/Packet	operation
38mcore1210	A74SF0		Original file	View	View	Download

Data Usage ✕

In order to prevent data security and leakage, please fill in the purpose of using the data!

cs

3 / 300

Cancel　**Confirm**

1 in total　< **1** >

20.1.1 Exception Log Viewing