



Fujitsu-SMU
**Urban Computing &
Engineering Corp. Lab**

User Guide for CUDO

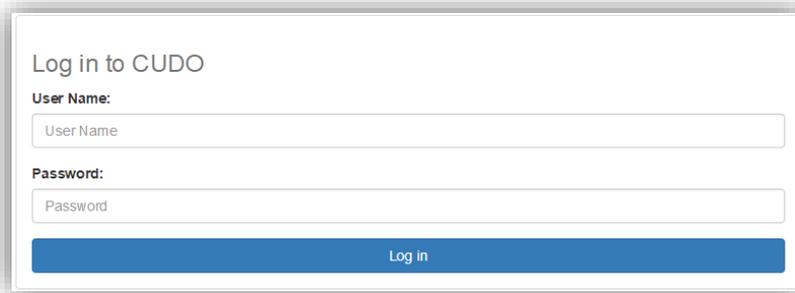
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1. Getting Started

1.1 Logging into CUDO

Enter the Username and Password to log in, provided by the CUDO Administrator:



Log in to CUDO

User Name:

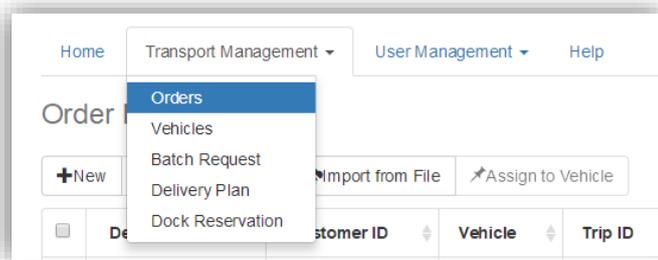
Password:

[Log in](#)

1.2 Navigation Elements Overview

1.2.1 Top navigation menu

The top navigation menu is the main menu to navigate.



Home– This page is a welcome page. It is to help user understanding CUDO well and show the solution conception.

Transport Management – This contains multiple modules. This provides the functions for users to create/import orders & vehicles and generate delivery plans from CUDO engine.

- Orders: Manage orders here.
- Vehicles: Manage vehicles here.
- Batch Request: View CUDO engine optimization status after submitting orders.
- Delivery Plan: CUDO engine outputs results (consolidation and route recommendation) here.
- Dock Reservation: View dock reservation information here.

User Management – This displays/manages the user information. There is a drop-down menu which gives users to see detail profile or manage profile.

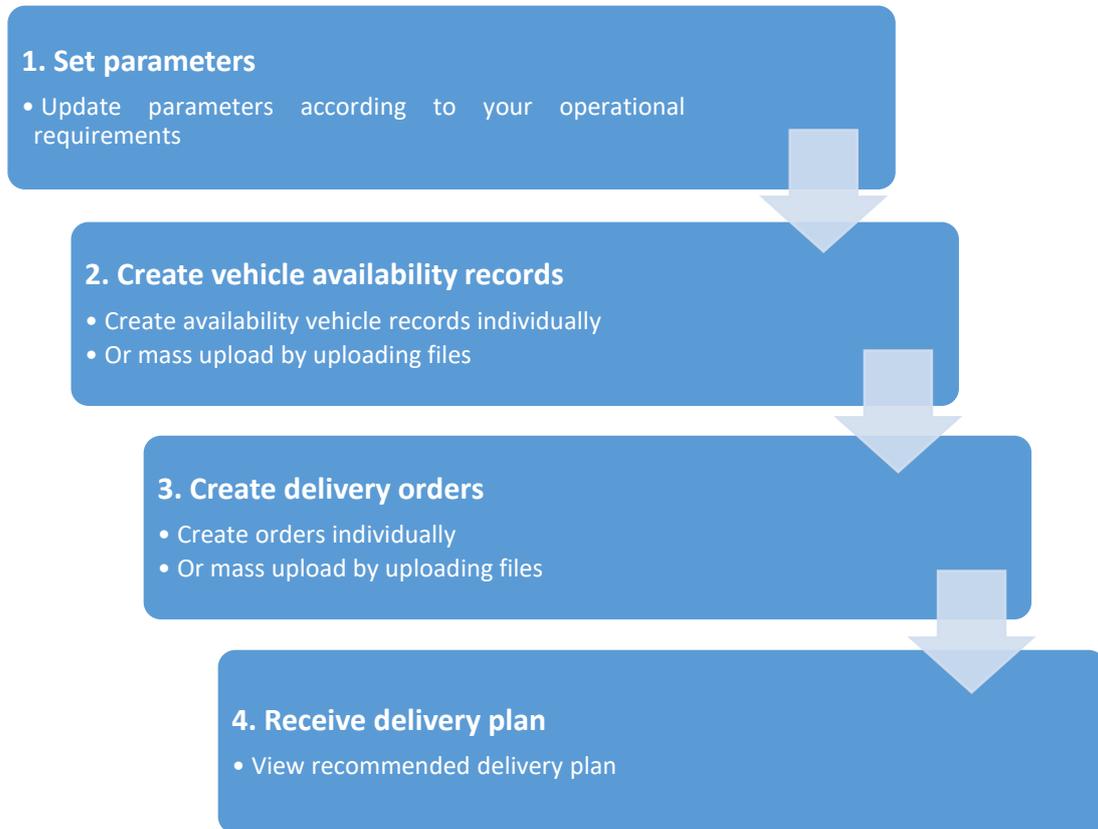
- View Profile: Manage password here.

The screenshot shows a web interface with two main sections. The top section, titled "Your Profile" with a person icon, displays user information: Name: lsp1, ID: 17, Company: LSP1, and Role: User. The bottom section, titled "Change Password" with a lock icon, contains three input fields: "Current Password" (with placeholder text "Current Password"), "New Password" (with placeholder text "New Password"), and "Confirm New Password" (with placeholder text "New Password"). A blue "Save Password" button is located below the input fields.

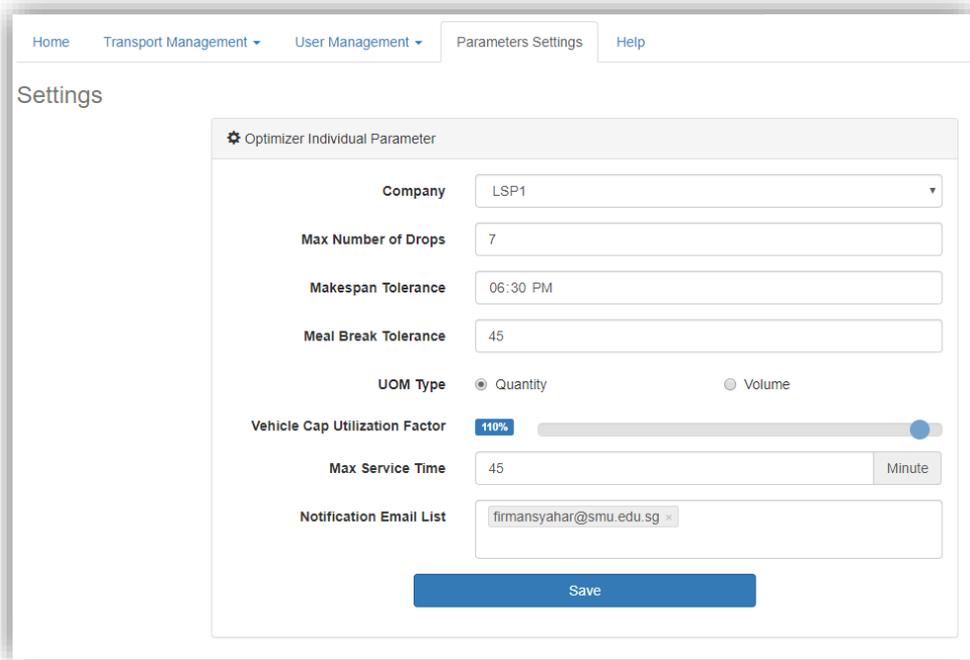
2. Workflow

2.1 Main flow

Follow these steps to use CUDO engine:



2.2 Parameter setting



Set parameter under Parameters Setting:

Max Number of Drops	Max number of delivery locations made by a truck before returning to depot
Makespan Tolerance	The latest (ideal) time for the vehicle to return to end depot for the day
Meal Break Tolerance	The time duration reserved for driver to have lunch
UOM Type	(Unit of measurement). Baseline unit for order consolidation into a vehicle; only Quantity or Volume consolidation is supported
Vehicle Cap Utilization Factor	Percentage of vehicle capacity utilization during consolidation (using order Quantity or Volume)
Max Service Time	Max loading / unloading time, used for validation in order entry
Notification Email List	User email address for notification of the generated delivery plan

2.3 Manage vehicles

Vehicle Management										
+ New Edit Delete Import from File				<input type="text" value="Search"/> Refresh Grid						
	Vehicle ID	Type	Service Time	Quantity	Volume	Available (Weekday)	Available (Saturday)	Available (Sunday/PH)	Start Depot	End Depot
+	V1	14FT	45	300	15	07:00 - 19:00	07:00 - 19:00	07:00 - 19:00	iHub	iHub
+	V2	14FT	45	300	15	07:00 - 19:00	N.A.	N.A.	iHub	iHub
+	V3	14FT	45	300	15	07:00 - 19:00	07:00 - 19:00	07:00 - 19:00	iHub	iHub
+	V4	14FT	45	300	15	07:00 - 19:00	07:00 - 19:00	07:00 - 19:00	iHub	iHub
+	V5	14FT	45	300	15	07:00 - 19:00	07:00 - 19:00	07:00 - 19:00	iHub	iHub
+	V6	14FT	45	300	15	07:00 - 19:00	07:00 - 19:00	07:00 - 19:00	iHub	iHub
+	V7	14FT	45	300	15	07:00 - 19:00	07:00 - 19:00	07:00 - 19:00	iHub	iHub

Showing 1 to 7 of 7 rows

This module is to manage the vehicles.

Check and ensure the vehicles information is updated and available before start process orders using CUDO system. Vehicles used for delivery is required to be updated into CUDO system for the order consolidation and route recommendation. Vehicle data only need to be uploaded or created one time. Additional vehicle can be added, or existing vehicle record can be edited or deleted as and when required.

There are two ways to manage the vehicles:

- Create/Edit/Delete vehicle records manually
- Upload file

2.3.1 Create/Edit Vehicle manually

Click the New button in the table bar to create a new vehicle record. Select an existing vehicle record from the table, then click Edit button to update the info.

After clicking Create/Edit button, a form dialog will be shown up:

The screenshot shows a dialog box titled "Add Vehicle" with a close button (X) in the top right corner. The form contains the following fields and options:

- Vehicle Type:** A dropdown menu with the text "Select Vehicle Type".
- Vehicle ID*:** A text input field containing "A002001".
- Service Time*:** A text input field containing "45" and a "Minute" unit button.
- Weight:** A text input field containing "0" and a "Kg" unit button.
- Quantity*:** A text input field containing "280".
- Volume:** A text input field containing "12" and an "m³" unit button.
- Weekday*:** A checked checkbox "Available" followed by a time range "07:00 To 19:00".
- Saturday*:** A checked checkbox "Available" followed by a time range "07:00 To 19:00".
- Sunday/PH*:** A checked checkbox "Available" followed by a time range "07:00 To 19:00".
- Mobile Number:** A text input field containing "065-0101001".
- Start Depot*:** A dropdown menu with "NTUC Warehouse" selected.
- End Depot*:** A dropdown menu with "NTUC Warehouse" selected.

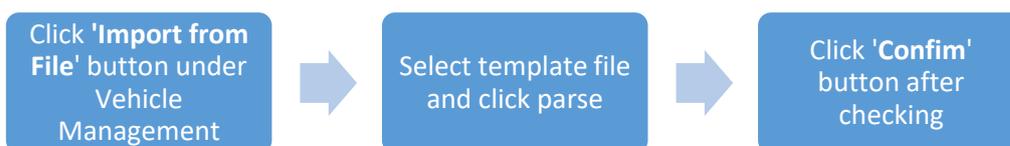
At the bottom of the dialog are two buttons: "Close" and "Save".

Input the vehicle details accordingly. Refer to data dictionary in [Annex A](#) for the input data explanation and validation values.

Click Save button to save the update after filling every field for the row.

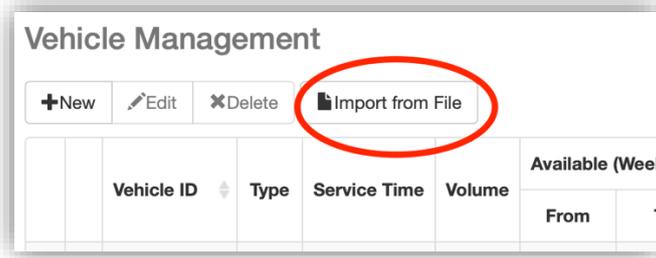
2.3.2 Uploading file

There are three steps to upload vehicles after creating them in template file.

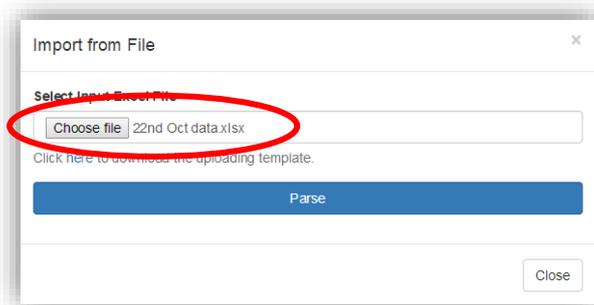


2.3.2.1 Select File to upload

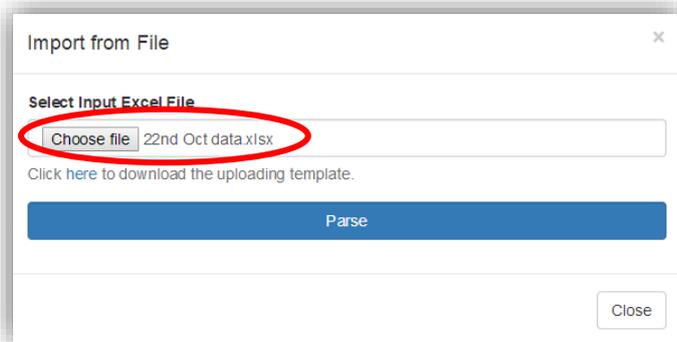
At first the uploading file need to be selected and parsed. Click 'Import from File' button under Vehicle Management:



The file-selection dialog will popup. From the file-selector dialog, select the file to be uploaded from your directory.



For first time users creating the vehicle record, download the input template file (click 'here' to download the uploading template) for reference and create your data accordingly. Save your vehicle file in your directory.



Important note: Your Vehicle file must have the tab name 'Vehicles.'

After choosing file, click Parse button to read the file.

2.3.2.2 Preview File

A preview page will be popup for you to check the input data:

Preview

Status	Vehicle ID	Type	Service Time	Volume	Quantity	Start Depot Postal Code	Start Depot Address	End Depot Postal Code	End Depot Address
	V1	14FT	45	15	300	609040	iHub	609040	iHub
	V2	14FT	45	15	300	609040	iHub	609040	iHub
	V3	14FT	45	15	300	609040	iHub	609040	iHub
	V4	14FT	45	15	300	609040	iHub	609040	iHub
	V5	14FT	45	15	300	609040	iHub	609040	iHub
	V6	14FT	45	15	300	609040	iHub	609040	iHub
	V7	14FT	45	15	300	609040	iHub	609040	iHub

Showing 1 to 7 of 7 rows

Rows in these status will not be imported:

Duplicated Error

If there is any error in your input, such as logical error/spelling mistake, the errors will be prompted upon file uploaded. The error cells will be highlighted with colours.

The valid value of mandatory field is as following:

- Vehicle ID: unique value.
- Service Time: larger than 0.
- Start Depot Postal Code: valid postal code in Singapore. <if create order manually, choose from drop down list or enter postal code to create new location>
- End Depot Postal Code: valid postal code in Singapore. <if create order manually, choose from drop down list or enter postal code to create new location>
- Quantity: larger than 0.
- Volume: larger than 0.
- Weekday Available: HH:MM-HH:MM.
- Saturday Available: HH:MM-HH:MM.
- Sunday/Public Holiday Available: HH:MM-HH:MM.

The error rows won't be uploaded when clicking Confirm button unless you correct them. To correct the error data, click 'Cancel' to cancel the upload. Go back to your (excel) file to correct the input errors, then upload the file again.

2.3.2.3 Confirm

Click the 'Save' button after you check all input data and confirm them all right:

iHub	06:00-21:00	06:00-21:00	06:00-21:00
iHub	06:00-21:00	06:00-21:00	06:00-21:00

Cancel Save

Click Save to upload the data.

2.4 Manage orders

Order Management

+ New Edit Delete Cancel Import from File Assign to Vehicle Choose Delivery Date Submit Draft Orders Search

	Delivery Date	Customer ID	Vehicle	Trip ID	DO Reference	Pickup Location	Delivery Location	UOM	Quantity	Volume	Delivery Type	Delivery Time	Pickup Time	Ser
	18/01/2019	LSP1-C1	LTL		LSP1-180001		Chevron House	CTN	11	11	Drop Off	07:00 - 11:30		
	18/01/2019	LSP1-C1	LTL		LSP1-180002		Straits View	CTN	10	10	Drop Off	07:00 - 11:30		
	18/01/2019	LSP1-C1	LTL		LSP1-180004		Telok Ayer Street	CTN	15	15	Drop Off	07:00 - 11:30		
	18/01/2019	LSP1-C1	LTL		LSP1-180003		Marina Bay Financial ...	CTN	12	12	Drop Off	07:00 - 11:30		
	18/01/2019	LSP1-C1	LTL		LSP1-180005		100 AM	CTN	15	15	Drop Off	07:00 - 11:30		
	18/01/2019	LSP1-C1	LTL		LSP1-180006		Raffles City Shopping...	CTN	20	20	Drop Off	07:00 - 11:30		
	18/01/2019	LSP1-C2	LTL		LSP1-180007		City Square Mall	CTN	60	60	Drop Off	07:00 - 11:30		
	18/01/2019	LSP1-C1	LTL		LSP1-180008		PAYA LEBAR QUART...	CTN	9	9	Drop Off	07:00 - 19:00		
	18/01/2019	LSP1-C1	LTL		LSP1-180011		Compass One	CTN	23	23	Drop Off	07:00 - 19:00		
	18/01/2019	LSP1-C1	LTL		LSP1-180009		Bedok Mall	CTN	8	8	Drop Off	07:00 - 19:00		

Showing 1 to 10 of 654 rows 10 rows per page < 1 2 3 4 5 ... 66 >

Submit

Order Management module is to manage the input orders. The column definition could be found at Data Dictionary template file. Click Import from File button and download the template file.

Each record of orders has a specific status, they are:

- Draft: default status for creating or uploading new orders. Orders can still be edited and deleted when in this status.
- Submitted: status after submitting the selected orders to the engine for processing. Orders cannot be edited or deleted anymore in this status.
- Processing: status when the orders are being consolidated and processed by the optimisation engine.
- Successful: when delivery plan for these orders has been generated successfully. Delivery plans will be available for viewing when in this status.
- Unsuccessful: when delivery plan for these orders cannot be generated due to selected constraints.

2.4.1 Create/Edit order manually

Click the new button in the table bar to create a new row of order. Or select an existing row in order table then click edit button to update it.

After clicking Create/Edit button, a form dialog will be shown up:

Input the order details accordingly. Refer to data dictionary in [Annex A](#) for the input data explanation and validation values.

Click Save button to save the update after filling up every field

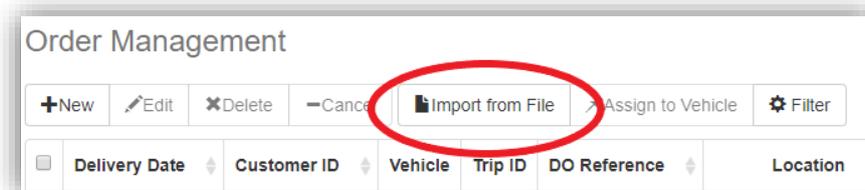
2.4.2 Uploading file

There are three steps to upload orders after creating them in template file.

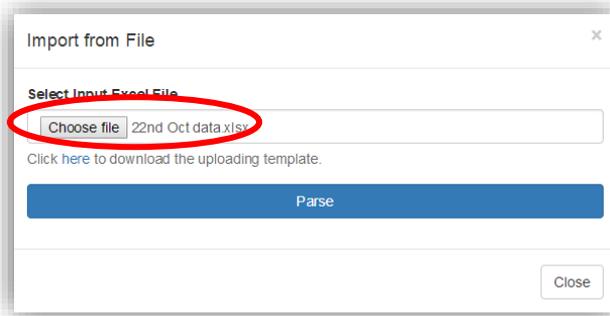


2.4.2.1 Select File to upload

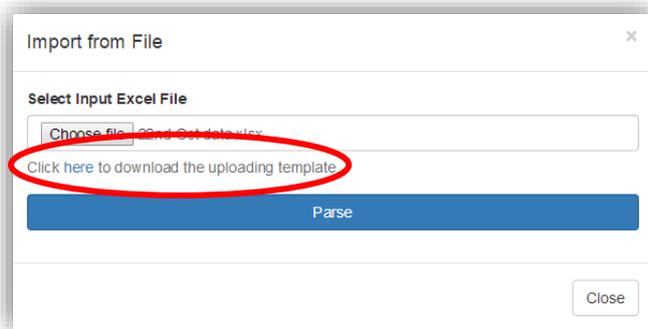
At first the uploading file need to be selected and parsed. Click 'Import from File' button under Order Management:



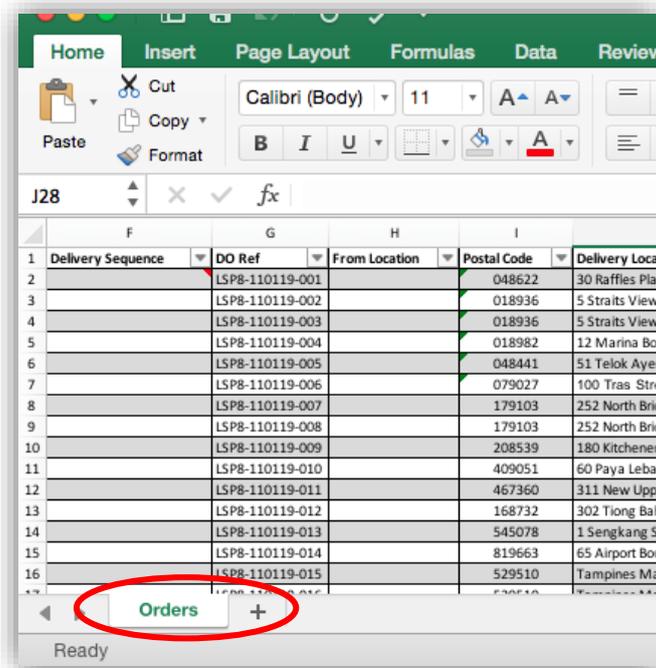
The file-selector dialog will popup. From the file-selector dialog, select the file to be uploaded from your directory.



For first time users creating the order file, download the input template file (click 'here' to download the uploading template) for reference and create your data accordingly. Save your order file in your directory.



Important note: Your Order file must have the tab name 'Orders'.



After choosing file, click Parse button to read the file.

2.4.2.2 Preview File

A preview page will be shown up for you to check the input data:

Status	Delivery Date	Customer ID	DO Ref.	Delivery Postal Code	Delivery Address	Pickup Postal Code	Pickup Address
	11/11/2019	Customer_2_AISG	123623478	730676	676 Woodlands Drive 71 #01-09 Kampung ...	560408	408 Ang Mo Kio A
	11/11/2019	Customer_2_AISG	123623479	738099	1 Woodlands Square #01-13 Causeway Poi...	560408	408 Ang Mo Kio A
	11/11/2019	Customer_2_AISG	123623480	769098	930 Yishun Avenue 2 #01-19, Northpoint 76...	560408	408 Ang Mo Kio A
	11/11/2019	Customer_2_AISG	123623481	18936	5 Straits View #B2-45 018936	560408	408 Ang Mo Kio A
	11/11/2019	Customer_2_AISG	123623482	18982	12 Marina Boulevard #01-03, Marina Bay Fl...	560408	408 Ang Mo Kio A
	11/11/2019	Customer_2_AISG	123623483	48441	51 Telok Ayer Street #01-07 048441	560408	408 Ang Mo Kio A
	11/11/2019	Customer_2_AISG	123623484	189649	175 Bencoolen Street #01-01, Burlington Sq...	560408	408 Ang Mo Kio A
	11/11/2019	Customer_1_AISG	123623485	545078	1 Sengkang Square #B1-14/14A	560408	408 Ang Mo Kio A
	11/11/2019	Customer_1_AISG	123623486	819642	Viewing Mall East, Unit #03-23, Terminal 1, ...	560408	408 Ang Mo Kio A
	11/11/2019	Customer_2_AISG	123623487	59817	The Central 6 Eu Tong Sen Street, #01-23 to...	560408	408 Ang Mo Kio A

Showing 11 to 20 of 25 rows | 10 rows per page | 1 2 3

You have 0 rows in Error Status and 0 rows in Duplicated Status, which will not be imported:

Duplicated Error

Cancel Save

If there is any error in your input, such as logical error/spelling mistake, the errors will be prompted upon file uploaded. The error cells will be highlighted with colours.

Status	Delivery Date	Customer ID	DO Ref.	Delivery Postal Code	Delivery Address	Delivery Type	Delivery Earliest Time
Error	11/11/2019	Customer_1_AISG	123623468	409051	60 Paya Lebar Road #01-72/73/K4/K5 Paya...	Error	14:00
	11/11/2019	Customer_1_AISG	123623469	518457	1 Pasir Ris Central Street 3 #02-24 & #02-K...	Drop Off	07:00
Error	01/11/2019	Customer_1_AISG	123623470	529510	4 Tampines Central 5 #B1-K1 Tampines Mall...	Drop Off	14:00
Error	11/11/2019	Customer_1_AISG	123623471	556083	23 Serangoon Central, Nex #B2-02/03/04 5...	Drop Off	35:00
	11/11/2019	Customer_1_AISG	123623472	569933	53 Ang Mo Kio Ave 3 #01-33 AMK Hub 569...	Drop Off	14:00

As shown in the above figure, the first, third and fourth row of input orders have wrong input values. To be specific, the delivery type is wrong in the first row, the delivery date for third row is a date that was over and the earliest time has wrong value: 35:00 in the fourth row.

The mandatory fields listed below should be in following format or value:

- Delivery Data: format is DD/MM/YYYY.
- DO Ref: unique value in every day.
- Postal Code: valid postal code in Singapore <if create order manually, choose from drop down list or enter postal code to create new location>
- Quantity: larger than 0.
- Volume: larger than 0. <This is mandatory field if you have set UOM type as 'volume' under Parameters Settings.>
- Delivery Type: Dropoff/Pick up.

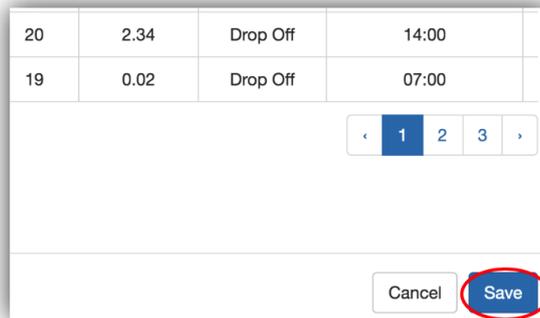
- Earliest Delivery Time: HH:MM
- Latest Delivery Time: HH:MM
- Service Time: larger than 0. Its max value is set on parameter setting.

The error rows won't be submitted for processing when clicking Confirm button unless you correct them.

To correct the error data, click 'Cancel' to cancel the upload. Go back to your (excel) file to correct the input errors, then upload the file again.

2.4.2.3 Confirm

Click the 'Save' button after you check all input data and confirm them all right:



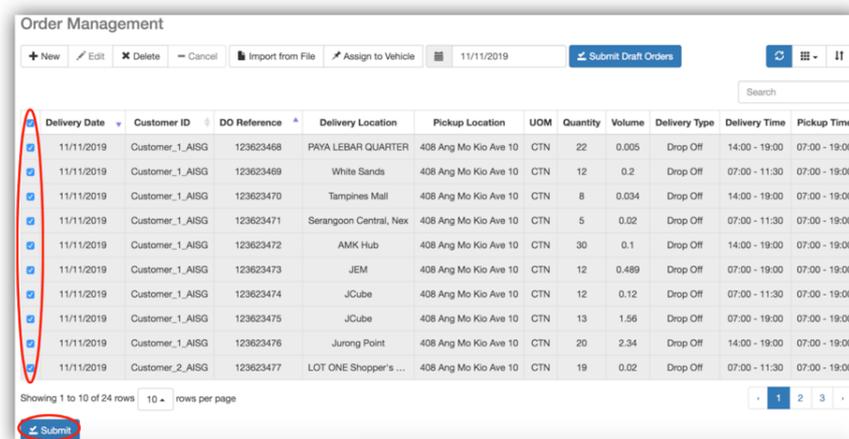
Click Save to upload the data.

2.5 Confirm orders

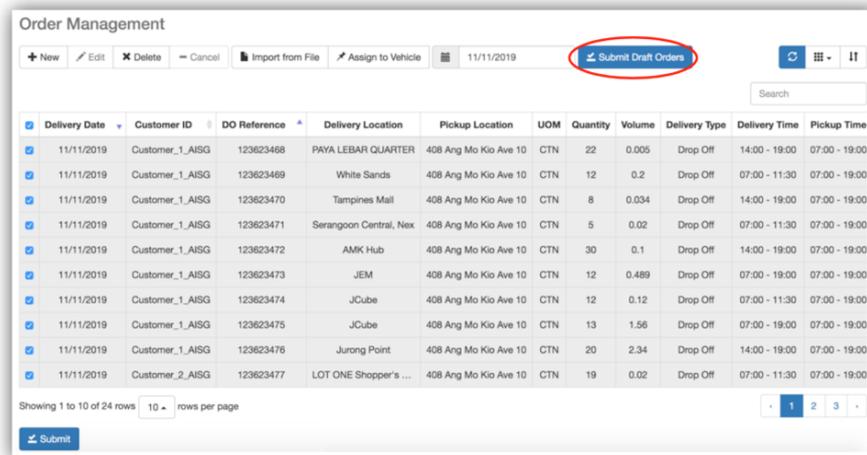
Orders that are created or uploaded are initially in Draft status.

To generate the route recommendation, orders are required to be selected and submitted, following the steps:

- Select the delivery date to list orders accordingly. Then select all orders (in draft status) for routing generation in the order management list by 'ticking' the top left box (see picture). Then click on Submit button.



- Or select a specific date to filter the orders and then click ‘Submit Draft Orders’ button to submit all draft orders in that date without selecting orders.



Status of the submitted orders would be updated to “Submitted” from “Draft”.

2.6 Optimising and Generating Route

CUDO engine will start to optimize and generate the results for all submitted orders at the defined cut-off time. Do ensure all your orders are submitted BEFORE the cut-off time.

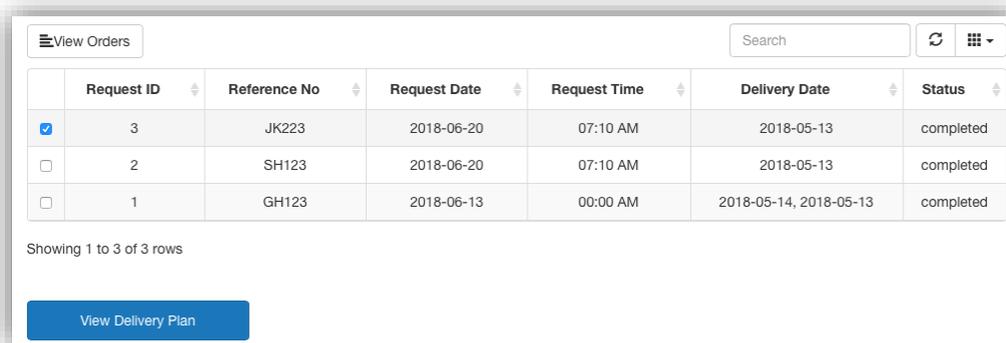
During the optimization, the status of orders will be ‘Processing’. The entire process of optimization and results generation is estimated 10 minutes.

2.7 View results

2.7.1 View batch requests

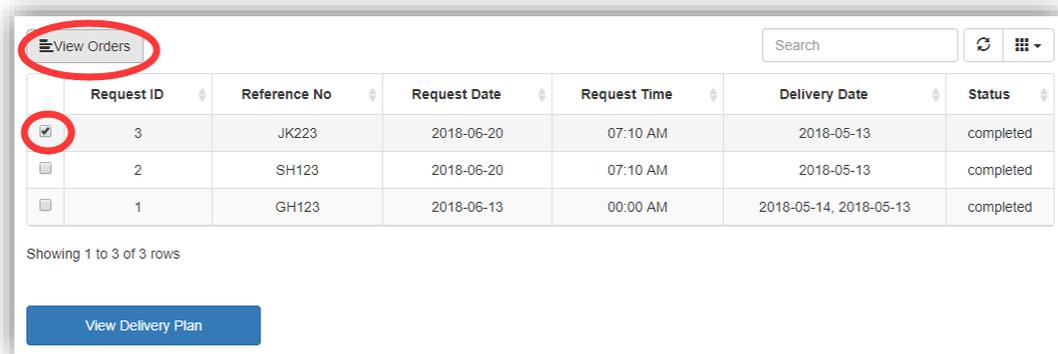
To view the route generated by CUDO system, click Batch Requests under Transport Management tab.

When the optimisation process has completed, the generated request will be listed.



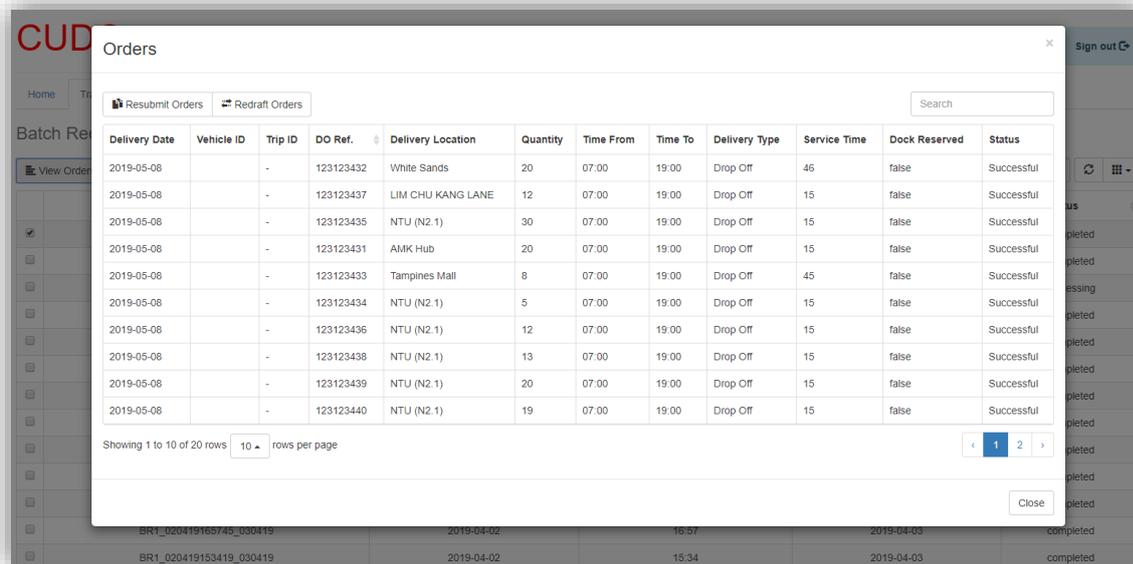
The view batch request table lists all optimisation runs (processing & completed) and generated recommendations (i.e. batch run), by delivery date.

2.7.1.1 View input orders belonging to the batch run

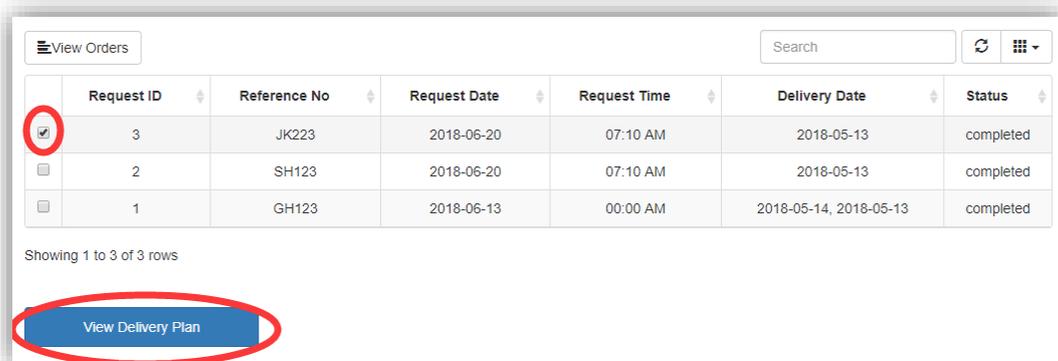


To view the orders for each batch run, follow these steps:

- Select the batch run, by delivery date.
- Click the “View Orders” button. The relative orders table will pop-up:



2.7.1.2 View delivery plan belonging to the batch run



To view delivery plan, follow these steps:

- Select one completed batch run, by delivery date.
- Click the “View Delivery Plan” button. It will bring you into delivery plan page.

2.7.2 Delivery plan

The screenshot shows the 'Delivery Plan' interface. At the top, there is a date selector set to '06/11/2019' and a dropdown menu for 'All Vehicles'. A 'Go to Batch View' button is visible. Below this is a Google Map of Singapore with a blue route highlighted. The map includes labels for various locations like PONTIAN KECHIL, Teluk Kerang, Kukup, Gelang Patah, Nusajaya, JOHOR, Pasir Gudang, Tekong Island, Rengerang, Jurong Island, Singapore, and Batam. Below the map is a table with the following data:

Vehicle ID	Delivery Seq. No	DO reference	Delivery Location	Postal Code	Pickup Location	Trip ID	UOM	Quantity	Delivery Date	Delivery Time	Pic
V1	1		Greenwich V	807011		Depot			06/11/2019	-	
V1	2	061119-024	WATERWAY POINT	828761	Greenwich V	1	CTN	5	06/11/2019	07:00 - 11:30	
V1	3	061119-030	Changi South Avenue	486352	Greenwich V	1	CTN	9	06/11/2019	07:00 - 11:30	

The delivery plan is an order consolidation and routing plan recommended by CUDO engine. It is an output from CUDO engine.

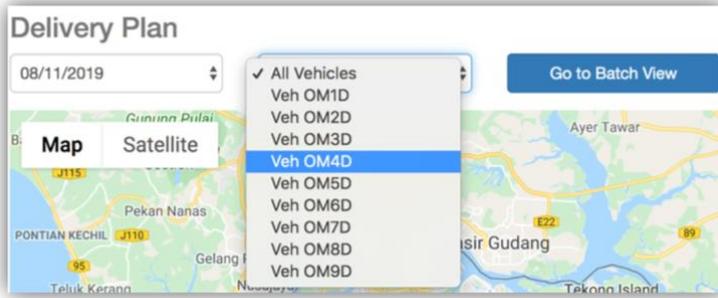
The delivery plan page lists the routing sequence of all assigned vehicles in a specific day:

Vehicle ID	Delivery Seq. No	DO reference	Delivery Location	Postal Code	Pickup Location	Trip ID	UOM	Quantity	Delivery Time	Arrival Time	Service
V1	1		Greenwich V	807011		Depot			-	08:00	3
V1	2	061119-024	WATERWAY POINT	828761	Greenwich V	1	CTN	5	07:00 - 11:30	08:46	2
V1	3	061119-030	NIL	486352	Greenwich V	1	CTN	9	07:00 - 11:30	09:31	2
V1	4	061119-007	3 CHANGI BUSINESS PARK CRESCENT	486026	Greenwich V	1	CTN	31	07:00 - 11:30	09:59	2
V1	5	061119-009	Kallang Leisure	397693	Greenwich V	1	CTN	33	07:00 - 11:30	10:48	2
V1	6	061119-027	NIL	310192	Greenwich V	1	CTN	10	07:00 - 11:30	11:25	2
V1	7	021119-040	SUNSHINE PLACE	680475	Greenwich V	1	CTN	14	07:00 - 11:30	12:30	2
V1	8		Greenwich V	807011		Depot			-	13:26	3
V1	9	061119-002	HDB-HOUGANG	530320	Greenwich V	2	CTN	62	14:00 - 19:00	14:13	2
V1	10	061119-008	MARINE TERRACE WALK	440005	Greenwich V	2	CTN	74	14:00 - 19:00	14:57	2

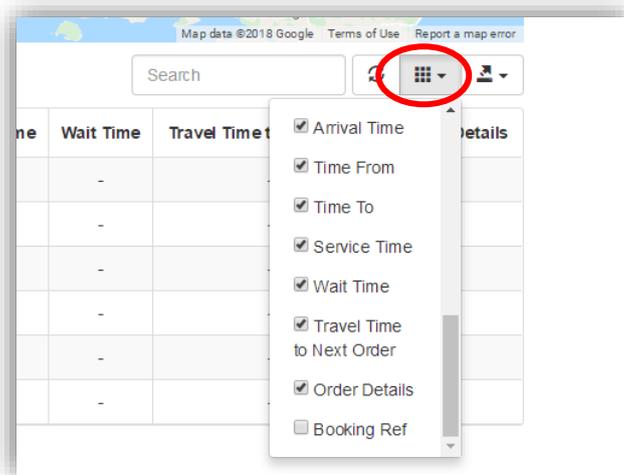
Showing 1 to 10 of 39 rows | 10 rows per page | 1 2 3 4

The Delivery Sequence Number in this table refers to the sequence of delivery that the CUDO engine recommended. The Arrival Time is an estimated time of the corresponding vehicle reaching each destination in the delivery sequence.

The selection of batch run will default the date in the field below and all vehicles that are assigned orders will be listed for selection. View the recommendation delivery plan for all vehicles or only specified one by selecting it.



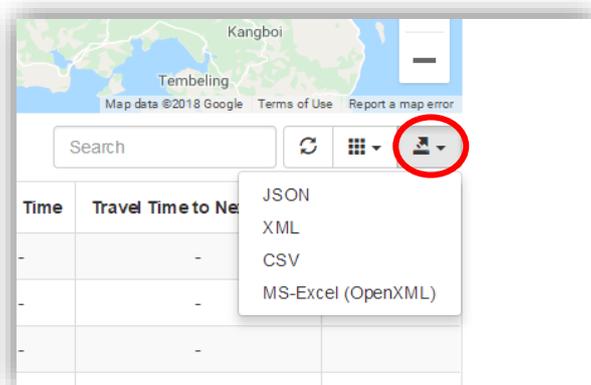
Click the view option button to choose more / preferred columns in result table:



Select the Wait Time and Travel Time to Next Order to see them in the table.

The delivery plan can be exported to file.

Click the output button on the right corner the table to output the current table to file. The recommendation is to select excel file. Only the columns that are listed in the table will be exported to file (what you see is what you get). Therefore, please ensure that all the required columns are being selected and displayed before exporting the delivery plan.



Annex A. Data Dictionary

A.1 Order Data Dictionary

Field	Description	Remarks
LSP Ref	LSP company name	
Delivery Date*	Delivery date of the order Format: DD/MM/YYYY (e.g. 31/12/2018)	The delivery date should be within a week.
Customer ID *	Customer reference or name of the customer receiving the order. Customer Id can be as-is or anonymized.	
Vehicle ID	The vehicle registration to which the cargo is consolidated into. Vehicle ID can be as-is or anonymized.	
Trip Batch Ref	Trip Batch Ref is used to group all orders (in a day) for a vehicle making multiple trips in a day. Number ref can be used. Default is 1 for single trip delivery (E.g. Trip Batch Ref = 1 for all orders being consolidated into the vehicle for morning delivery. Trip Batch Ref = 2 for all orders to be consolidated into the same vehicle for afternoon delivery)	
Delivery Sequence	Actual delivery sequence of the order being delivered by the vehicle within a trip. Data will be collected by system during live trial.	
DO Ref *	Delivery Order document ref	
Delivery Location Postal Code *	6-digit Singapore postal code of the delivery location	
Delivery Location Address	Delivery location address (e.g. mall name, unit number, street name)	
Pickup Location Postal Code *	6-digit Singapore postal code of the pick-up location	
Pickup Location Address	Pickup location address (e.g. mall name, unit number, street name)	
UOM	E.g. RC, PLT, CTN, BOX	
Cargo type	Indicate one of the following: Perishable; Frozen; Chilled; Electronics; General; Others (to describe)	
Quantity*	Number of units Can default to 1	If the quantity of an order exceeds the largest capacity of vehicle, such an order will be unserved.
Delivery Type *	Indicate whether the order needs to be pickup or dropoff: Pickup; Dropoff	
Earliest delivery time *	The earliest time window from which location/customer can start receiving the order Format: HH24:mm (e.g. 15:30)	
Latest delivery time *	The latest time window the customer should receive the order Format: HH24:mm (e.g. 15:30)	
Earliest Pickup Time	The earliest time window from which location/customer can start picking up the order Format: HH24:mm (e.g. 15:30)	
Latest Pickup Time	The latest time window the customer should pick up the order Format: HH24:mm (e.g. 15:30)	

Field	Description	Remarks
Actual delivery time	Actual delivery time that order is delivered to the location/customer. This is required if Delivery Sequence is not provided. Data will be collected by system during live trial.	
Service time(Mins) *	Time required to load or unload the cargo (in mins)	
Weight (kg)	Weight of cargo in kg	
Volume (m3)	Volume of cargo in m3. If the UOM parameter setting is volume, then this field is mandatory.	If the volume of an order exceeds the largest capacity of vehicle, such an order will be unserved.

Note: * = mandatory

A.2 Vehicle Data Dictionary

Field	Description
LSP Ref	LSP company name
Vehicle ID*	Vehicle registration of vehicles referred to in Sample Orders tab
Vehicle Type	Indicate one of the types of vehicle: 14FT; 20FT; 40FT; Van; Others (to describe)
Vehicle description	Additional details to vehicle, if any. (e.g. Refrigerated, Flatbed, Truck, Panel Van)
Service Time*	Service Time for serving deport
Start Depot Location Postal Code*	6-digit Singapore postal code of the start depot location
Start Depot Location Address	E.g. building name, unit number, street name
End Depot Location Postal Code*	6-digit Singapore postal code of the end location of vehicle (after last delivery job for the day)
End Depot Location Address	E.g. building name, unit number, street name
Height	Height of vehicle in meter
Length	Length of vehicle in meter
Weight	Maximum weight cargo capacity of vehicle in kg
Volume	Maximum quantity capacity of vehicle in m3. If UOM parameter setting is Volume, then this field is mandatory
Quantity*	Maximum quantity capacity of vehicle
Weekday Available*	Indicates the time window in a day that the vehicle is available (Monday to Friday) Format: HH24:mm - HH24:mm (e.g. 08:00 - 17:00) Set to 0 if not available on weekdays
Saturday Available*	Indicates the time window in a day that the vehicle is available (Saturday) Format: HH24:mm - HH24:mm (e.g. 08:00 - 17:00) Set to 0 if not available on Saturday
Sunday / Public Holiday Available*	Indicates the time window in a day that the vehicle is available (Sunday & Public Holiday) Format: HH24:mm - HH24:mm (e.g. 08:00 - 12:00) Set to 0 if not available on Sunday / Public Holidays
Remarks	Any other additional vehicle details, if any. E.g. constraints (vehicle can only be used for perishable items)

Note: * = mandatory