

## OTC Clearing Hong Kong Limited

### OTC ACCOUNT SERVICES INFORMATION SYSTEM (“OASIS) WEB PORTAL USER MANUAL PART IV – OASIS MARGIN SIMULATOR PORTAL



Disclaimer

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**Amendment Log**

<b>Updated Date</b>	<b>Document / Section</b>	<b>Description</b>
November, 2014	Part IV	- Revise possible error message for invalid log in.
April 2015	Part IV	- Revise field names shown in user interface - Include simulation for margin requirement in respect of Client Clearing
April 2015	Part VI	- Revise and additional supporting values
October 2016	Part VI	- Include Trade Blotter for CCS
March 2021		- Revise for OCASS system upgrade

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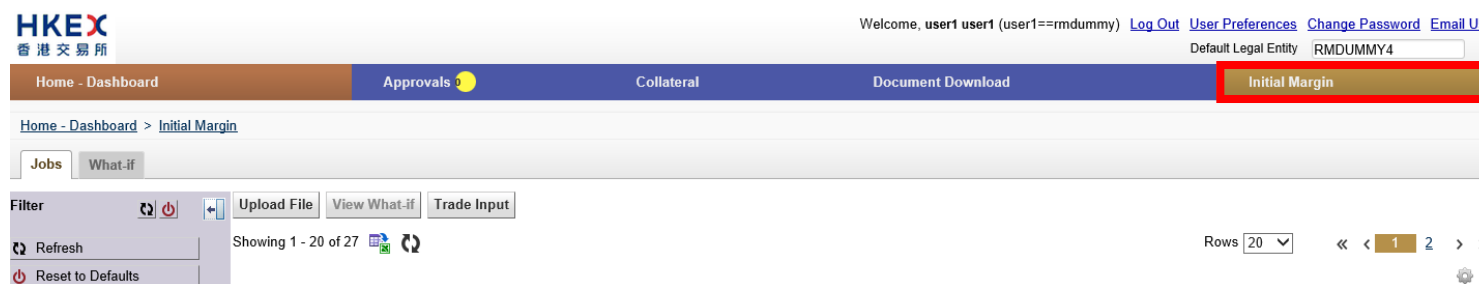
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## 1. Interface Operation

OASIS Margin Simulator Graphical User Interface (“GUI”) allows clearing members to estimate What-if Trade/Portfolio margin requirement.

It is under “Initial Margin” tab after logging in OASIS.

- a) What-if Trade (Trade input)
- b) What-if Portfolio (Upload File)



The details of each of the above functions are set out in the following sections.

## **1.1. *What-if Trade***

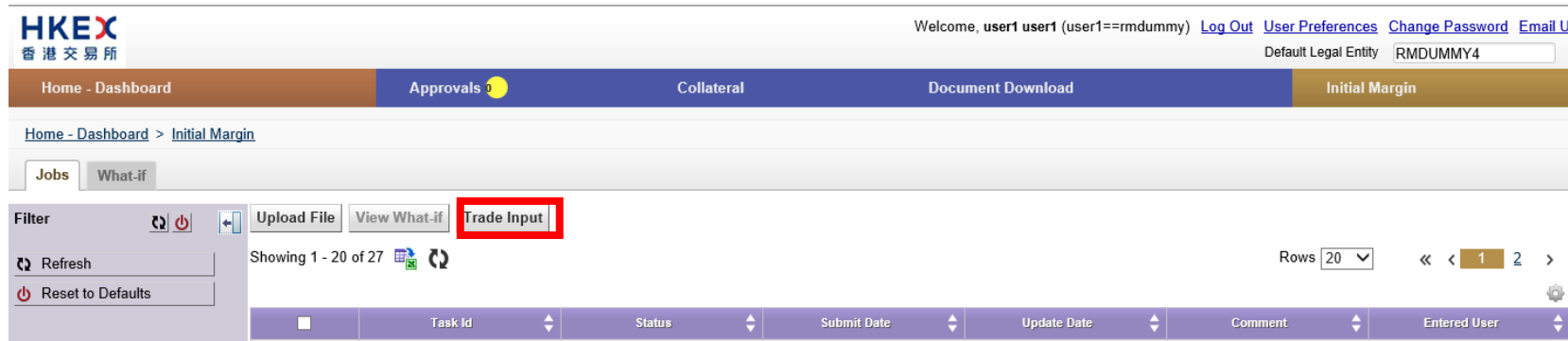
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### **1.1.1. *Function Descriptions***

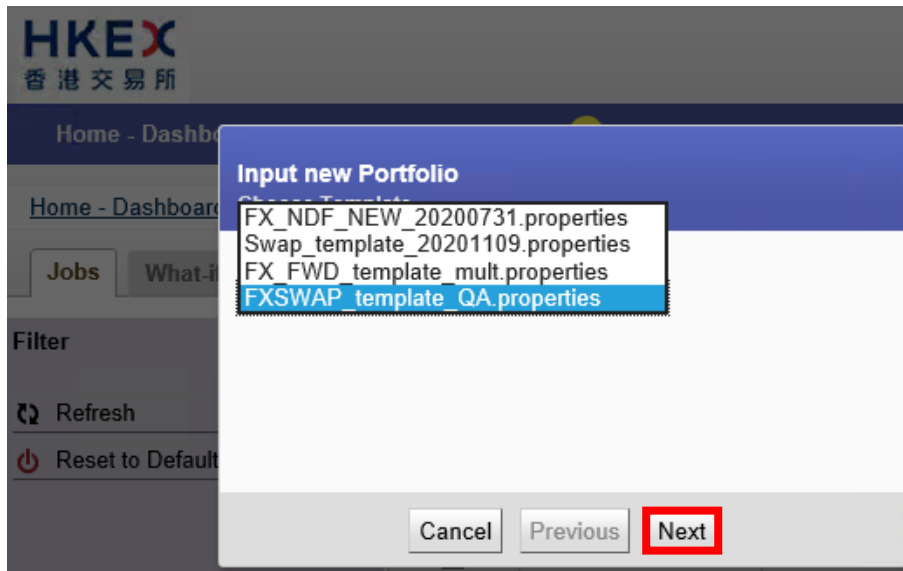
To simulate the incremental margin requirement of 1 new trade for chosen position account.

### **1.1.2. Trade input – How to Use (Step by Step)**

1. Click **Trade Input** (red frame) to input a single trade



2. Select the template according to the product type:  
Swap\_template\_\*: Interest Rate Swap/Non-Deliverable Swap/Cross-currency Swap  
FX\_NDF\_\*: Non-Deliverable FX Forward  
FX\_FWD\_\*: Deliverable FX Forward  
FXSWAP\_\*: FX Swap



3. Input relevant information/data in the fields<sup>1</sup>. All fields are mandatory. Then click “Next”.

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<sup>1</sup> Please see OTC Account Services Information System (“OASIS”) Web Portal User Manual –Part V for the detailed information

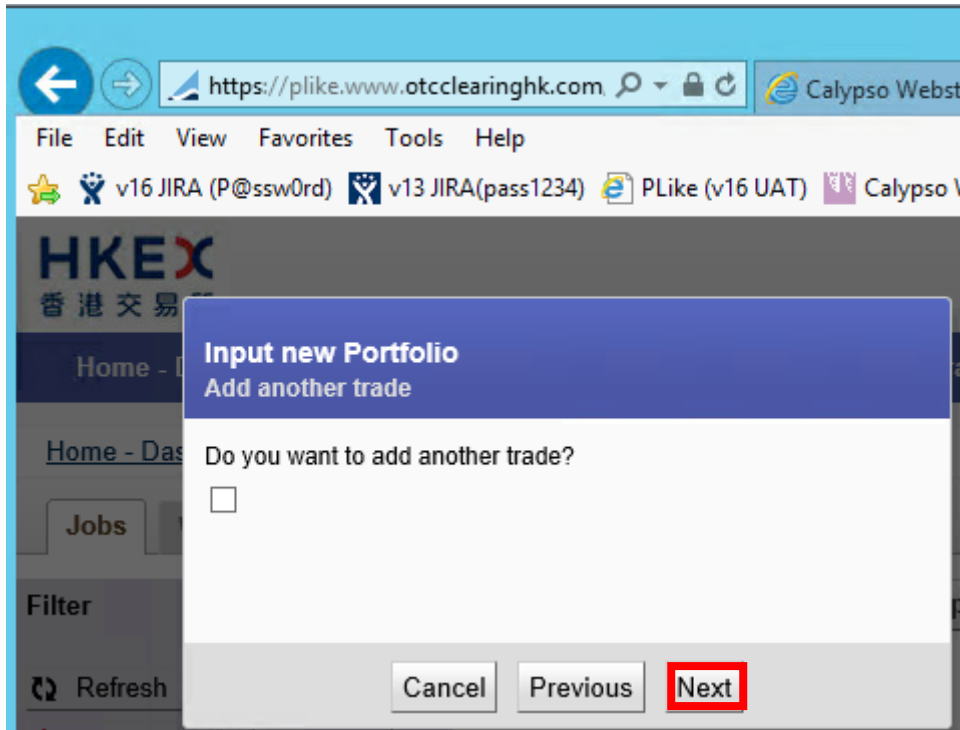


The screenshot shows the 'Input new Portfolio' form in the HKEX OASIS Web Portal. The form is titled 'Input new Portfolio' and 'Input trade'. It contains the following fields:

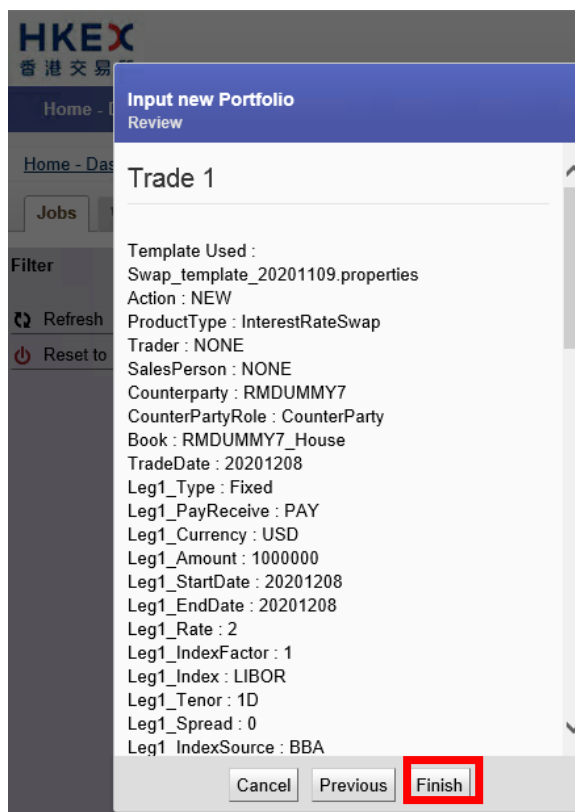
- Counterparty: RMDUMMY7
- Book: RMDUMMY7\_H
- TradeDate: 08/12/20
- Leg1\_Type: Fixed
- Leg1\_PayReceive: PAY
- Leg1\_Currency: USD
- Leg1\_Amount: 1000000
- Leg1\_StartDate: 08/12/20
- Leg1\_EndDate: 08/12/21
- Leg1\_Rate: 2
- Leg1\_IndexFactor: 1
- Leg1\_Index: LIBOR

At the bottom of the form, there are three buttons: 'Cancel', 'Previous', and 'Next'. The 'Next' button is highlighted with a red box.

4. Check the box if you would like to add another trade. Then click “Next”.



5. Review the template. Then click “Finish”.



6. Then go to “What-if” tab to view the simulation result:
  - Start IM Requirement: Initial Margin Requirement before trade input
  - IM Change: Change in Initial Margin after trade input
  - Current IM Requirement: Initial Margin Requirement after trade input
  - Start NPV: Variation Margin before trade input
  - Current NPV: Variation Margin after trade input

- NPV Change: Change in Variation Margin after trade input

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Welcome, **user3 user3** (user3==rmdummy) [Log Out](#) [User Prefer](#)  
Default Lega

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Home - Dashboard > Initial Margin > What-if

Jobs **What-if**

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Task Id	MarginAccount	Start IM Requirement	IM Change	Current IM Requirement	Start NPV	Current NPV	NPV Change
872566364	RMDUMMY7_House	40,942,475	152,012	41,094,487	-172,077	-311,603	-139,527

## 1.2. What-If Portfolio

### 1.2.1. Function Descriptions

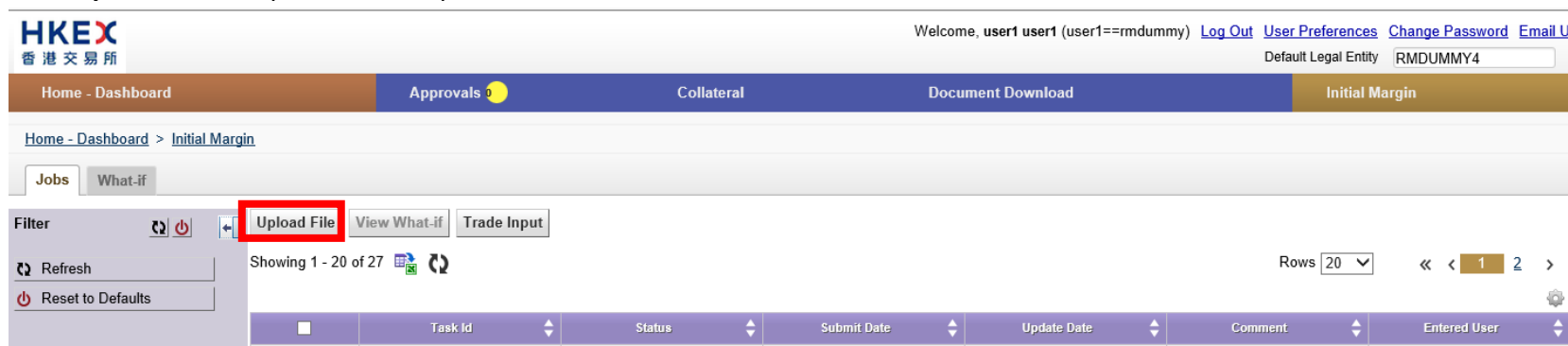
Compared with What-If trade which allows user to upload trade manually one by one, What-If portfolio function allows the user to calculate the incremental margin requirement by adding more than one trade to an existing or a new portfolio in one go.

To use this functionality a **CSV** file containing trade details and in specific format must be used. The following steps show the procedures to upload the file.

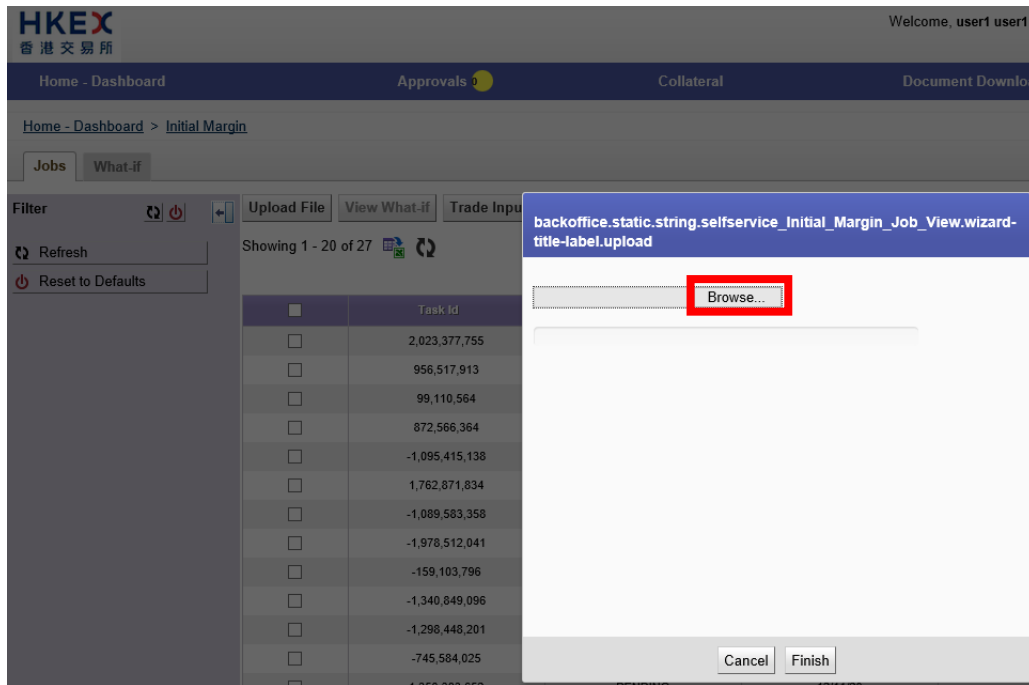
For the detailed file template and specifications to generate a CSV file for your portfolio, please refer to Part V, Appendix 1.

### 1.2.2. What-If Portfolio – How to Use (Step by Step)

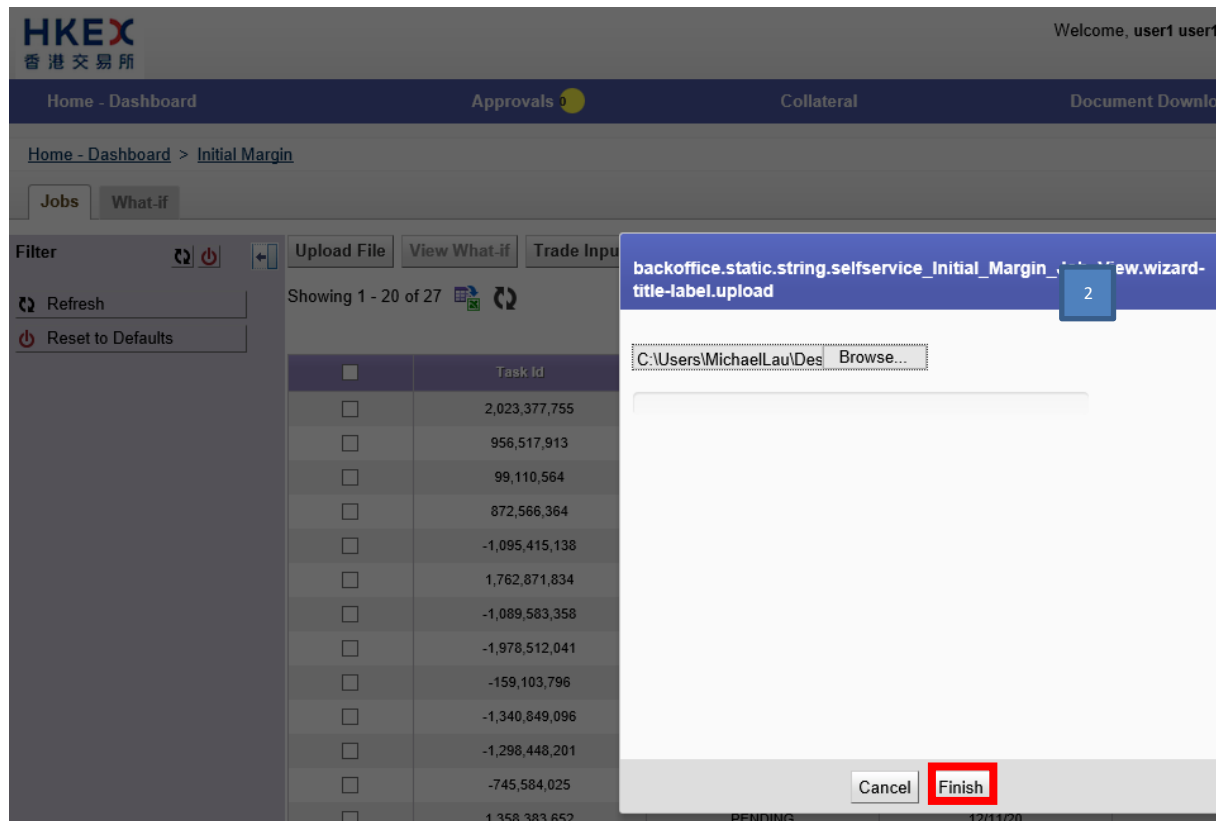
1. Click **Upload File** to upload a trade portfolio



2. Click **Browse** button and select the trade file to be uploaded. Uploading multiple files are allowed.

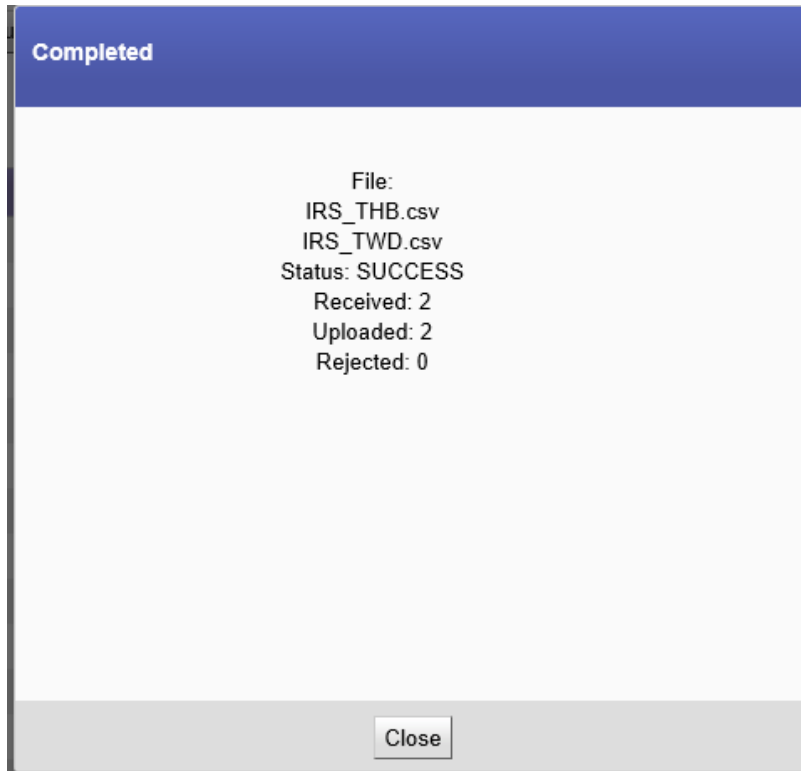


3. Click **Finish** button after selecting trade file(s). Please use separate files for IRS/NDS/CCS trades, FX Spot/FX Forward/FXNDF trade, and FXSwap trades. Naming conventions of the files are as follows:
  - IRS/NDS/CCS trades: IRS\_\*.csv (i.e. start with "IRS\_")
  - FX Spot/FX Forward trades: FX\_\*.csv (i.e. start with "FX\_")
  - FX Swap trades: FXSWAP\_\*.csv (i.e. start with "FXSWAP\_")





4. The screen will then display upload status.



5. Then go to “What-if” tab to view the simulation result:
- Start IM Requirement: Initial Margin Requirement before trade input
  - IM Change: Change in Initial Margin after trade input
  - Current IM Requirement: Initial Margin Requirement after trade input
  - Start NPV: Variation Margin before trade input
  - Current NPV: Variation Margin after trade input





- NPV Change: Change in Variation Margin after trade input



Welcome, user1 user1 (user1==rmdur)

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Jobs    **What-if**

**Filter**

Margin Account  
 RMDUMMY4\_House

Refresh

Reset to Defaults

Showing 1 - 10 of 10

Task Id	MarginAccount	Start IM Requirement	IM Change	Current IM Requirement	Start NPV	Current NPV	NPV Change
102059960	RMDUMMY4_House	83,593,303	-18	83,593,285	-543,626	-543,568	58