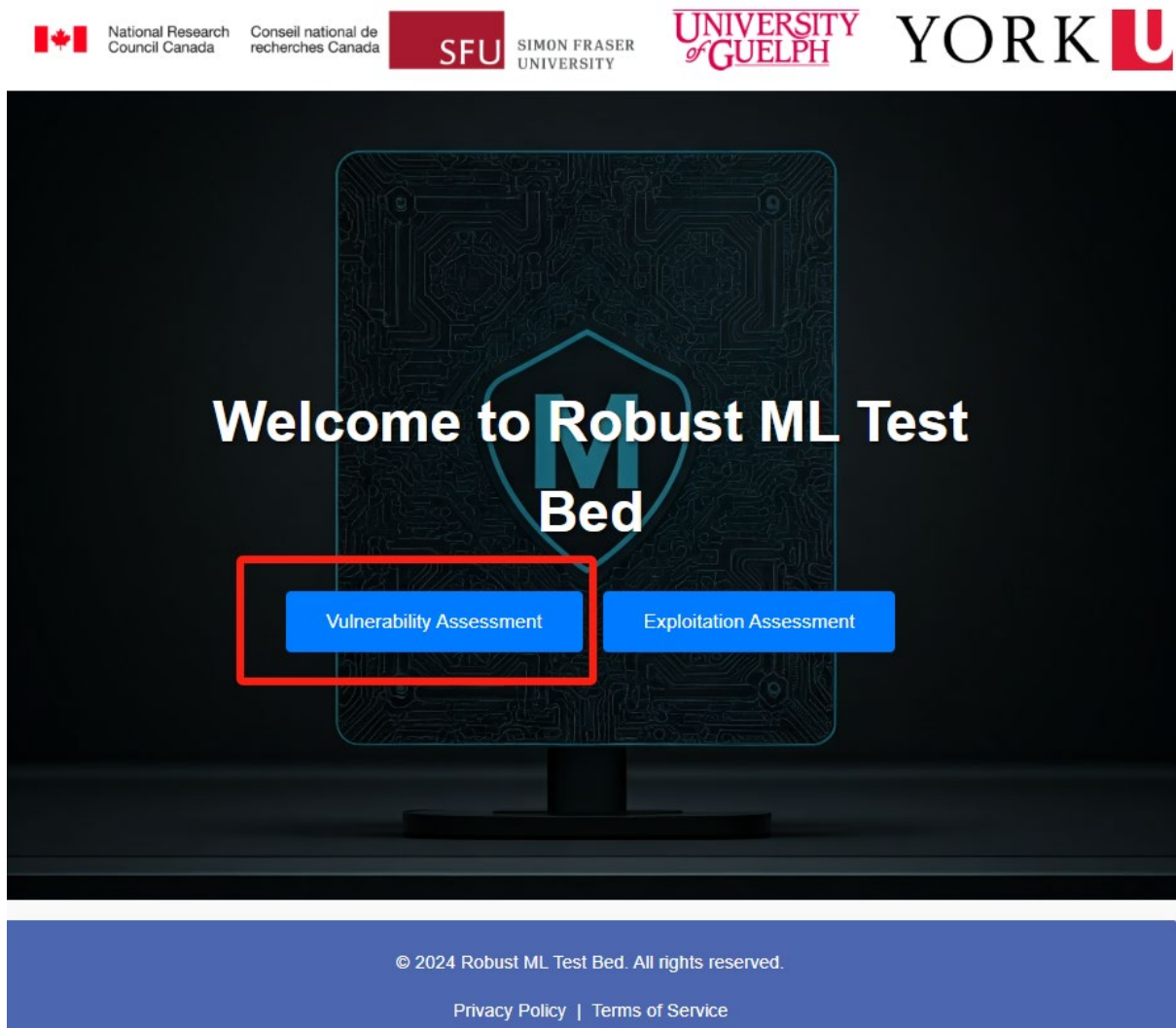


# Robust ML Testbed

## User Guide

1. Access the website: open a browser, input the address: <http://132.246.129.156:3000/>, then you will enter the following website.



2. Click the "Vulnerability Assessment" Button, then enter the "Vulnerability Assessment" Page.

Welcome to Robust ML Test Bed

Vulnerability AssessmentExploitation Assessment

### Project Client Inputs

Please Enter Project Client Name:  
MLROBUST  
Confirm

### Model Profiles

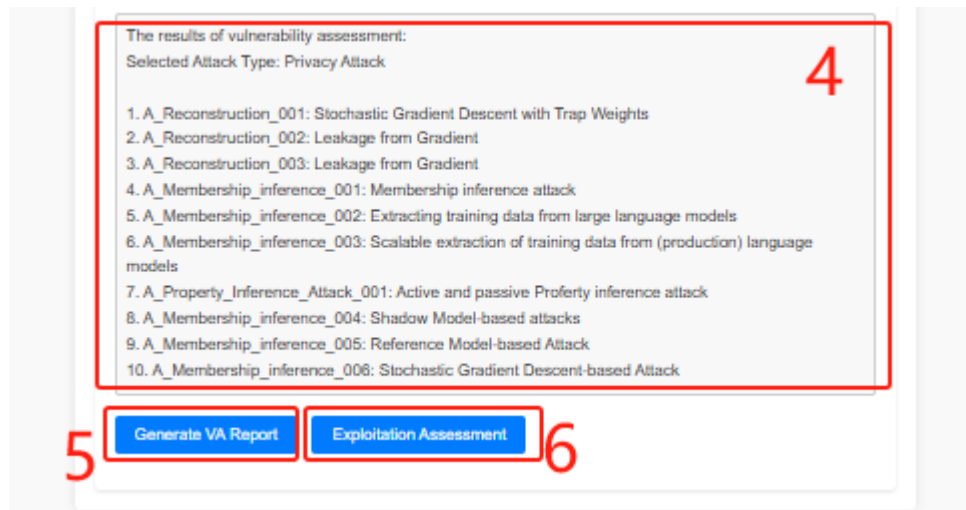
Attack Types:  
Select Attack Type  
Data Modality:  
Select Data Modality  
Tasks:  
Select Tasks  
Learning Architecture:  
Select Learning Architecture  
Model Architecture:  
Select Model Architecture  
Knowledge:  
Select Knowledge  
Application Domains:  
Select Application Domains

Vulnerability Assessment

3 **Step 1:** Input the “Project client name” and press the “confirm” button;

**Step 2:** Select the Model Profiles based on the following options(including Attack types, data modality, tasks, learning architecture, model architecture, knowledge, application domains);

**Step 3:** Click the “vulnerability assessment” button,



**Step 4:** Then you will get the results in Area 4.

**Step 5:** If you want to save the above information, then you can click the “Generate VA Report” button, and get a report which can be printed.

# Vulnerability Assessment Report

---

**Client Name:** MLROBUST

**Generated on:** 2025/5/26 09:40:06

## Model Profiles:

1. Attack type: Privacy Attack
2. Data Modality: ALL
3. Tasks: ALL
4. Learning Architecture: ALL
5. Model Architecture: ALL
6. Knowledge: ALL
7. Application Domains: ALL

## Assessment Results:

The results of vulnerability assessment:

Selected Attack Type: Privacy Attack

1. A\_Reconstruction\_001: Stochastic Gradient Descent with Trap Weights
2. A\_Reconstruction\_002: Leakage from Gradient
3. A\_Reconstruction\_003: Leakage from Gradient
4. A\_Membership\_inference\_001: Membership inference attack
5. A\_Membership\_inference\_002: Extracting training data from large language models
6. A\_Membership\_inference\_003: Scalable extraction of training data from (production) language models
7. A\_Property\_Inference\_Attack\_001: Active and passive Property inference attack
8. A\_Membership\_inference\_004: Shadow Model-based attacks
9. A\_Membership\_inference\_005: Reference Model-based Attack
10. A\_Membership\_inference\_006: Stochastic Gradient Descent-based Attack

[Print Report](#)

**Step 6:** Click the "Exploitation Assessment" button, then go to the further analysis page.

4. At the Exploitation Assessment Page:

**Welcome to Robust ML Test Bed**

**Select Implementations:**  
☐ Tensorflow\_privacy\_MIM\_001  
☐ Tensorflow\_privacy\_MIM\_002  
☒ Tensorflow\_privacy\_MIM\_003  
☐ Tensorflow\_privacy\_MIM\_004  
☐ Privacy\_meter\_MIM\_001  
☐ Tensorflow\_privacy\_MIM\_006  
☐ Tensorflow\_privacy\_MIM\_008  
☐ Privacy\_meter\_MIM\_001

**Upload Model (optional):**  

选择文件
未选择任何文件

Upload Model

**Upload Training Dataset (optional):**  

选择文件
未选择任何文件

Upload Training Dataset

**Upload Test Dataset (optional):**  

选择文件
未选择任何文件

Upload Test Dataset

**Step 1:** Select implementation in this area (you can choose one or more options)

**Step 2:** Select the upload model from the libraries following the requirements below

Attack types	Implementation ID	Model
Privacy Attack	Tensorflow_privacy_	Tensorflow_privacy_model.h5
	Privacy_meter_	Privacy_meter_model.h5
Evasion Attack	ART_EA_	Evasion_model.pt
Poison Attack	ART_PA_	<b>No need to upload the model</b>

*Note: As for the present, there is no need to upload the datasets.*

Exploitation Assessment

Processing completed
3

```

Starting to process selected implementations...
Processing Implementation Tensorflow_privacy_MIM_003...
Result for Tensorflow_privacy_MIM_003: Processed Tensorflow_privacy_MIM_003 success

Processing Implementation Tensorflow_privacy_MIM_004...
Result for Tensorflow_privacy_MIM_004: Processed Tensorflow_privacy_MIM_004 success

All selected implementations have been processed.
          
```

4

Generate EA Report

5

**Step 3:** Click the “Exploitation Assessment” button, then the testbed will start analyzing

**Step 4:** Wait for a while, and Area 4 will state what is processing.

**Step 5:** If the information indicates “All selected implementations have been processed”, then you can click the “Generate EA Report” button and get a final report as follows.

2025/5/26 10:17

Exploitation Assessment Report - EA REPORT NO.052217

Logo



## Exploitation Assessment Report

Prepared for: MLROBUST  
Prepared by: Robust ML Team  
Date: 2025/5/26

EA REPORT

about:blank

1/10