

Auto Marking Program Guideline

Things to do for OpenFlow Agent Test

1. Before you make a program, you consider a rules that we provide
 - a. Below message type is sequence of Openflow message. You must be keep sending request message sequentially.
 - (1) HELLO : This message try to connect to Openflow server
 - (2) FEATURES_REPLY: It is to response information about function of switch
 - (3) STATS_REPLY: It is to response information about function of switch
 - (4) GET_CONFIG_REPLY: It is informed to information about how to set of switch configuration.
 - (5) BARRIER_REPLY : It is to response message about validation that command of controller
 - (6) STATS_REPLY: It is to response information about switch description
 - (7) ROLE_REPLY: It is to response information about role change (e.g : master->slave)
 - (8) PACKET_IN: It is to response information about how to activate of data packet. If switch has a packet information in flow table , switch will be act. But if switch hasn't a packet information in flow table, switch will request packet information to server.
2. Don't use mininet for this test. If you use mininet, your score is zero

What you can get in this project

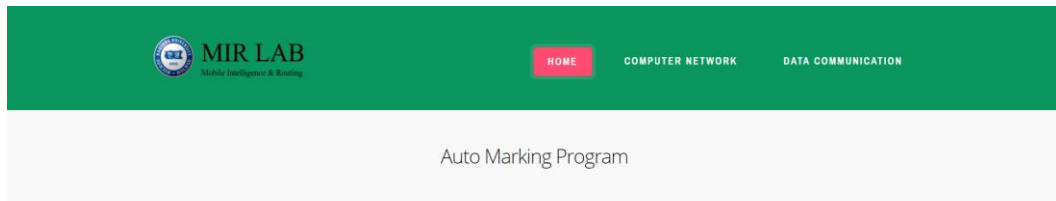
Today's network trend is changing to SDN. And OpenFlow protocol is representative In southbound of SDN. So if you do this test, you can to understand trend of network.

List of grading items

- A. Openflow Agent test (You keep the rule of openflow message flow)
- Mission1: HELLO Message and Response about 'HELLO' sent from server
- Mission2: FEATURES_REPLY Response about 'FEATURES_REQUEST' sent from server
- Mission3: STATS_REPLY: Response about 'STATS_REQUEST' sent from server
- Mission4: GET_CONFIG_REPLY: Response about 'GET_CONFIG_REQUEST' sent from server
- Mission5: BARRIER_REPLY: Response about 'BARRIER_REQUEST' sent from server
- Mission6: STATS_REPLY: Response about 'STATS_REQUEST' sent from server
- Mission7: ROLE_REPLY: Response about 'ROLE_REQUEST' sent from server
- Mission8: PACKET_IN: Response about 'PACKET_IN' sent from server
- B. Don't use mininet to test. if we checked you use mininet, your score just 0 score.

How to test?

- 1) Approach 166.104.143.225/index through your web browser (Internet Explorer, Chrome, Firefox and etc.)



MIR Auto Marking Program List



Web Server Marking

Pellentesque tristique ante ut risus. Quisque dictum. Suspendisse dictum lectus. Donec placerat odio elit.

[See more details](#)

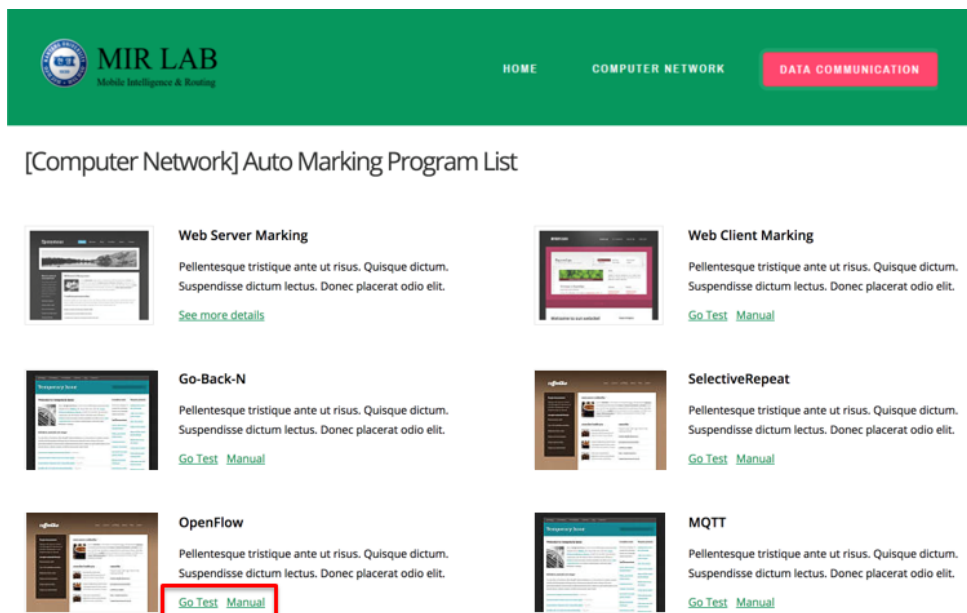


Web Client Marking

Pellentesque tristique ante ut risus. Quisque dictum. Suspendisse dictum lectus. Donec placerat odio elit.

[See more details](#)

2) You have to choice in list association with your project



3) Fill out your information on blank.

Step1. Type your profile and OpenFlow Agent Information in English

***Access Information**

Date	Time	Your IP	Your Port
2018.8.4	1:55	127.0.0.1	59033

***Student Information that you should type**

Student Name	Student Number	UDP Server IP	UDP Server Port
LEEGILHO	2018117148	192.168.1.143	4441

Ready to start your program marking?

SUBMIT
RESET

- A. Student Number(2017xxxxx)
- B. Student Name (Should be written in English)
- C. Your Web Server IP Address. If you are hard to find your global IP, refer to Current Connection Info in case you approaches this web site with the same computer
- D. Port that you assign for your Web server, Check this out on your Source Code

4) In this step, you check to mission that we provide before run your program

Step2. Access your Openflow Agent to the below address Server

***Your Information**

Student Name	Student Number	Client IP	Client Port
LEEGILHO	2018117148	192.168.1.143	4441

Try to Connect auto marking Server Using Your Client

IP :/0Port:59044

Port :

Mission 1: Set Ip that connect your OpenFlow-Agent
Mission 2: You have to exactly response about request from server
Mission 2: You have to exactly send flow of openflow

*******Socket will be living for 10minutes! *******
*******After 25 second, automatically you can see a result*******

Don't be use mininet, If you use mininet we'll give you zero score about your testing

- A. You must be a think before run a your agent of openflow
 - (1) Before this step, you have to set IP and PORT we gave
 - (2) After 25 second, your test will be a end
 - (3) Socket that you use is a setting that end after 10minute. So after click submit button, for 10minute your test is must be a end.

5) Result Page

***Your Information**

Student Name	Student Number	Web Client IP	Web Client Port
LEEGILHO	2018117148	192.168.1.125	5555

Openflow test

From Mission1 to Mission7 is essential Requirements

Mission Index	Result	Comment
Mission 1: Response from client about 'HELLO' message from server	false	You have to send message about message that from server
Mission2: Response from client about 'FEATURES_REPLY' message from server	false	You have to send message about message that from server
Mission3: Response from client about 'GET_CONFIG_REPLY' message from server	false	You have to send message about message that from server
Mission4: Response from client about 'STATS_REPLY' message from server	false	You have to send message about message that from server
Mission5: Response from client about 'BARRIER_REPLY' message from server	false	You have to send message about message that from server
Mission6: Response from client about 'STATS_REPLY2' message from server	false	You have to send message about message that from server
Mission7: Response from client about 'ROLE_REPLY' message from server	false	You have to send message about message that from server

(1) You can see what is wrong or correct with Reason