

# Habilitando a OLT OT-8110T para filtrar e encaminhar apenas os TAGs desejados

## Descrição

O tutorial publicado no Wiki OverTek (<http://wiki.overttek.com.br>), “Qual a forma mais fácil de permitir que TAG-VLANs sejam encaminhados pela OLT e ONU?” ensina habilitar a opção “**Allow VLAN Tags on Simple Bridge**”.

Contudo, esta opção, permite que a OLT encaminhe qualquer tag. Para alguns cenários, talvez seja desejado encaminhar apenas tags específicos. Neste caso o tutorial abaixo descreve passo a passo como fazer isso.

## Passos

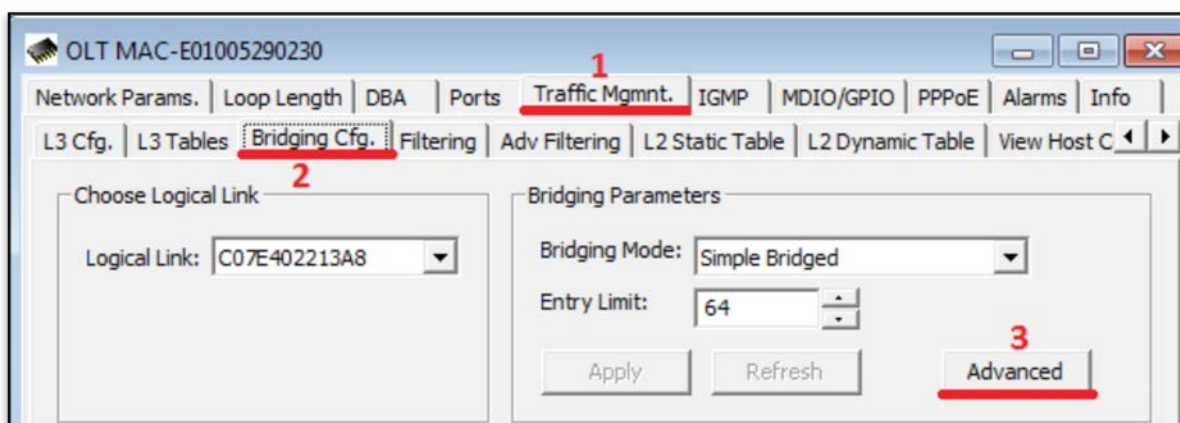
Acesse a OLT OT-8110T pelo software proprietário. Caso tenha dúvidas, siga o tutorial:

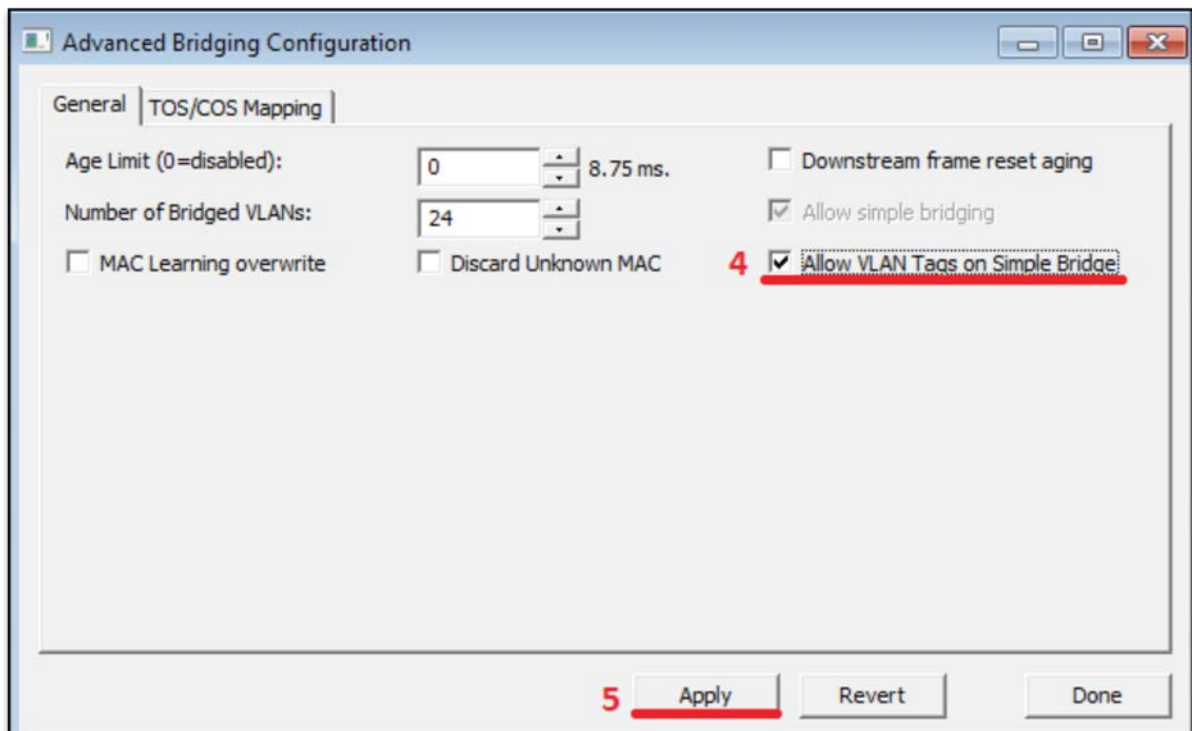
[http://wiki.overttek.com.br/index.php/OLTs\\_-\\_ONUs](http://wiki.overttek.com.br/index.php/OLTs_-_ONUs)

Acessando a OLT via SOFTWARE PROPRIETÁRIO

### Habilitando:

- 1- Clicar opção “*Traffic Mgmt*” da OLT.
- 2- Em seguida, “*Bridging Cfg*”.
- 3- Botão “*Advanced*”.
- 4- Na outra tela marcar a opção “*Allow VLAN TagsonSimple Bridge*”
- 5- Clicar em “*Apply*”.





### Configurando o filtro na OLT para passar somente as vlans desejadas:

- 1- Clicar na opção "Filtering" da OLT:
- 2- Selecionar a Porta - Port: Epon-0
- 3- Selecionar onde será aplicado o filtro - Filter: Port ou Uplink
- 4- Campo "LINK" esta desabilitado para realizar alterações.
- 5- Informar o nível da regra - RuleLevel: 2

## Criando Regras do Filtro:

6- Selecionar o filtro - Field Select: 04 - Vlan

7- Informar o Operador - Operator: <>

8- Informar o valor do campo Lookup Val: Informar o valor em hexadecimal.

Ex: Vlan 100 equivale a 64 hexadecimal. Vlan 200 equivale a C8 hexadecimal.

9- Clicar em “>” para adicionar o filtro ou clicar no botão “<” para remover o filtro.

10- Clicar no botão “Add” para aplicar as alterações.

The screenshot shows the configuration interface for an OLT MAC (E01005290230) under the 'Filtering' tab. The interface includes a main configuration area and a 'Create Filter Rule' section.

**Main Configuration Area:**

- Port: EPON-0
- Filter: Port (selected), Link
- Link: C07E402213A
- Rule Level: 2
- Buttons: Add, Delete

**Filter Rule Table:**

Priority	Field Select	Operator	Value
2	04 - VLAN	<>	0x0000000000064
	04 - VLAN	<>	0x00000000000C8

**Create Filter Rule Section:**

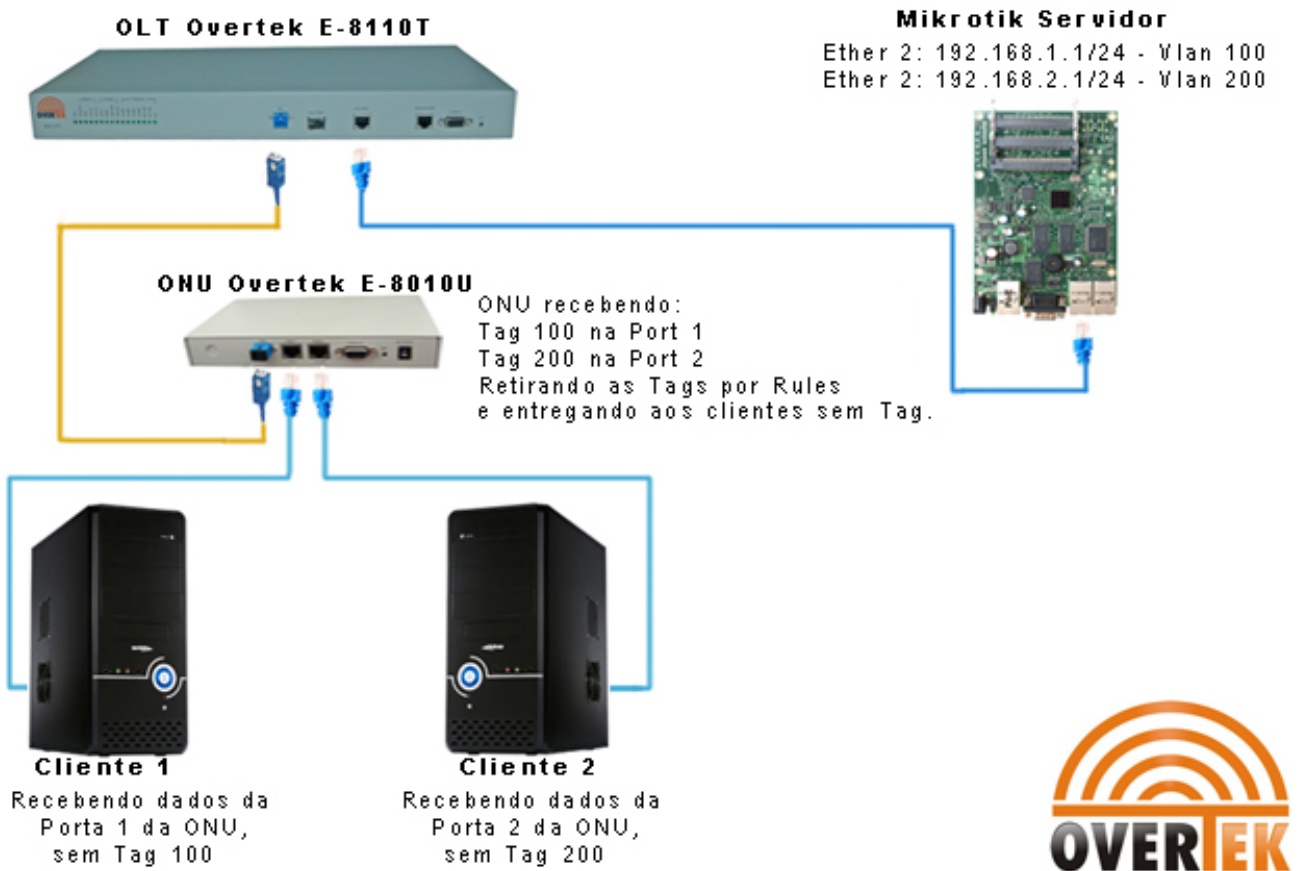
- Field Select: 04 - VLAN
- Operator: <>
- Lookup Val: 0xC8

**Filter Rule Table (Create Filter Rule):**

Field	Operator	Lookup Value
04 - VLAN	<>	0x0000000000064
04 - VLAN	<>	0x00000000000C8

# Configuração de Rules na ONU

Para exemplificar, será configurado as *Rules* na ONU conforme cenário abaixo:



Por padrão a porta EPON da ONU na opção *Rules* está configurada conforme abaixo:

The screenshot shows the configuration interface for the ONU MAC address C07E402213A8. The 'Rules' tab is active. The 'Port' is set to 'EPON-0'. The 'Modify Rule' section shows 'Action: Set Destination; Forward', 'Precedence: 12', 'UNI Port: 1', and 'Queue: 0'. The 'Modify Clauses' table is as follows:

Field Select	Op	Value
02 - LLID Index	==	0x0000000000000000

At the bottom, a table lists the configured rules:

V	Pri	Action	Parameters	Field Select	Op	Value
	12	Set Destination; Forward	UNI Port=2, Q=0	02 - LLID Index	==	0x0000000000000001
	12	Set Destination; Forward	UNI Port=1, Q=0	02 - LLID Index	==	0x0000000000000000

Buttons for 'Add', 'Delete', 'Refresh', and 'Apply Flags Only' are visible at the bottom.

## Configurado as *Rules* para Deletar Vlan 100 na ONU na porta EPON.

Clicar em *Rules* na ONU

1- Port: Epon-0

2- Modify Rule:

Action: "*Delete Vlan Tag*"

3- Modify Clauses:

Field Select: 04 – Eth VID

Op: ==

Value: 100 (valor da Vlan) o software já converte de decimal para hexadecimal.

4- Botão "*Add*"

ONU MAC-C07E402213A8

Active Alarms | Ports | Rate Ctrl | Edit Fields | **Rules** | Q Cfg. | IGMP/VLAN | RSTP | Low Level | Lpbk Test | Info

Advanced Rules | Old Filtering | Old Classification

1 Port: EPON-0

Modify Rule

2 Action: Delete VLAN Tag

Precedence: 12  Volatile

3 Modify Clauses

Field Select	Op	Value
04 - Eth VID	==	0x00000000000000064

New Delete Duplicate

V	Pri	Action	Parameters	Field Select	Op	Value
<input checked="" type="checkbox"/>	12	Delete VLAN Tag		04 - Eth VID	==	0x00000000000000064
<input type="checkbox"/>	12	Set Destination; Forward	UNI Port=2, Q=0	02 - LLID Index	==	0x00000000000000001
<input type="checkbox"/>	12	Set Destination; Forward	UNI Port=1, Q=0	02 - LLID Index	==	0x00000000000000000

4 Add Delete Refresh

Flags:  Erase All Rules  Stop Traffic  Resume Traffic

## Configura as *Rules* para Deletar a Vlan 200 na ONU na porta EPON.

Clicar em *Rules* na ONU

1- Port: Epon-0

2- ModifyRule:

Action: "Delete Vlan Tag"

3- ModifyClauses:

Field Select: 04 – Eth VID

Op: ==

Value: 200 (valor da Vlan) o software já converte de decimal para hexadecimal.

4- Botão "Add"

ONU MAC-C07E402213A8

Active Alarms | Ports | Rate Ctrl | Edit Fields | **Rules** | Q Cfg. | IGMP/VLAN | RSTP | Low Level | Lpbk Test | Info

Advanced Rules | Old Filtering | Old Classification

1 Port: EPON-0

2 Modify Rule

Action: Delete VLAN Tag

Precedence: 12  Volatile

3 Modify Clauses

Field Select	Op	Value
04 - Eth VID	==	0x00000000000000C8

New Delete Duplicate

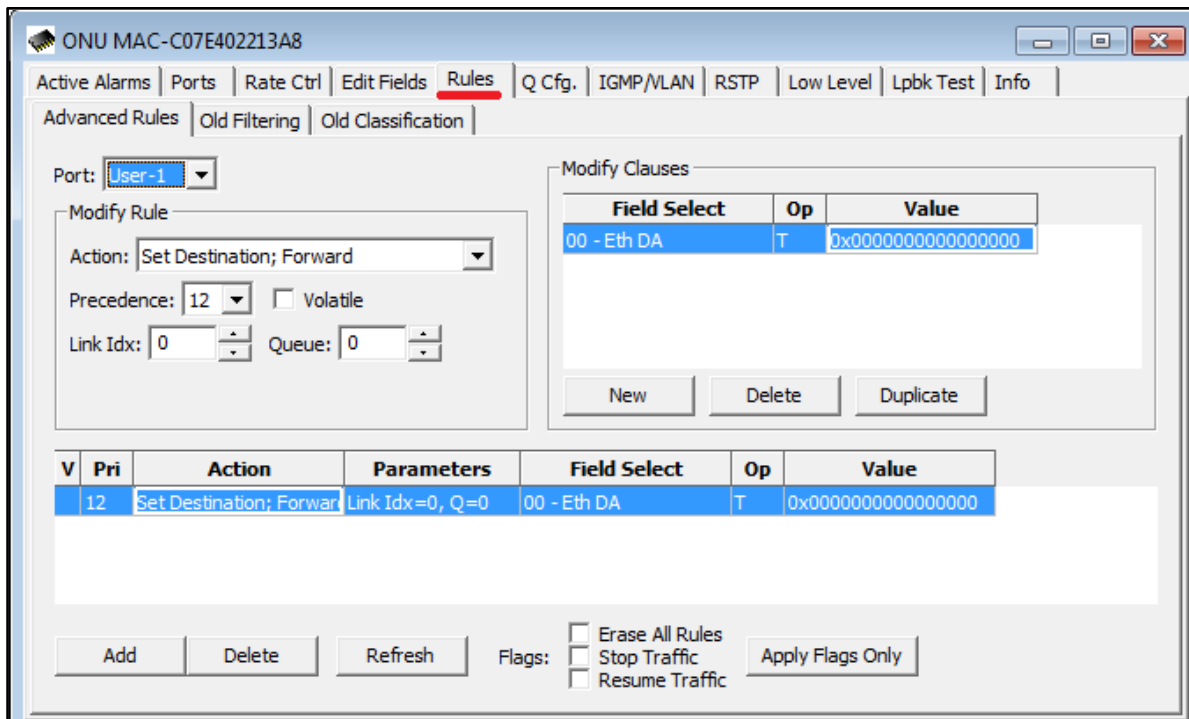
V	Pri	Action	Parameters	Field Select	Op	Value
12		Delete VLAN Tag		04 - Eth VID	==	0x00000000000000C8
12		Delete VLAN Tag		04 - Eth VID	==	0x0000000000000064
12		Set Destination; Forward	UNI Port=2, Q=0	02 - LLID Index	==	0x0000000000000001
12		Set Destination; Forward	UNI Port=1, Q=0	02 - LLID Index	==	0x0000000000000000

4

Add Delete Refresh

Flags:  Erase All Rules  Stop Traffic  Resume Traffic

Por padrão a porta USER1 da ONU na opção Rules esta configurada conforme abaixo:



### Configurando as *Rules* para Adicionar Vlan 100 na ONU na porta USER1.

Clicar em *Rules* na ONU

1- Port: User-1

2- Modify Rule:

Action: Set VID; ADD Tag; Forward

3- VID: 100

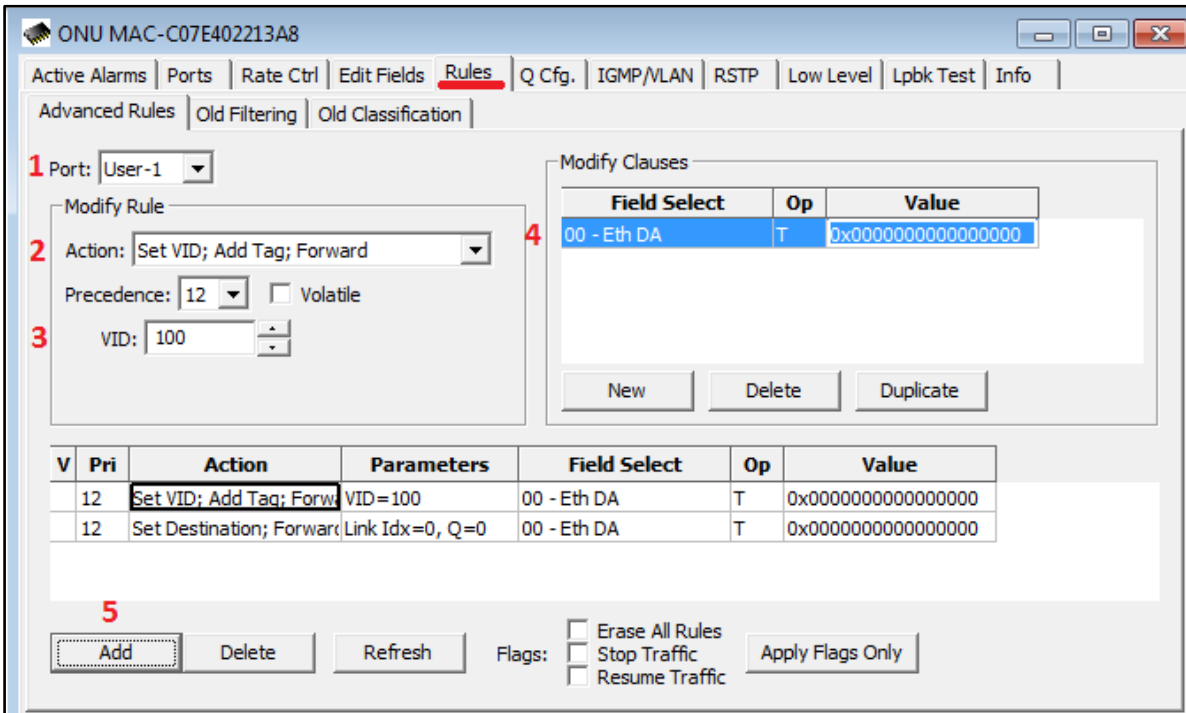
4- Modify Clauses:

Field Select: 00 – Eth DA

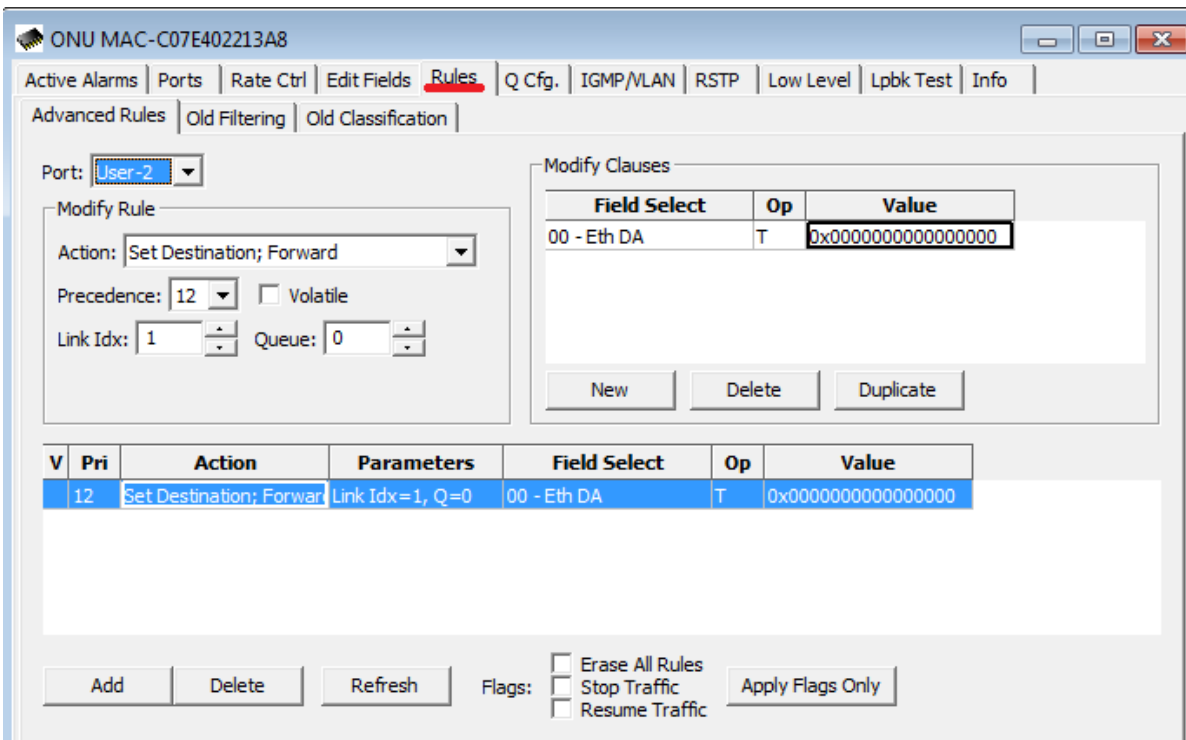
Op: T

Value: 0 (zero) o software já converte de decimal para hexadecimal.

5 –Botão “Add”



Por padrão a porta USER2 da ONU na opção *Rules* esta configurada conforme abaixo:





## Configurando as *Rules* para Adicionar Vlan 200 na ONU na porta USER2.

Clicar em Rules na ONU

5- Port: User-2

6- ModifyRule:

Action: Set VID; ADD Tag; Forward

7- VID: 200

8- ModifyClauses:

Field Select: 00 – Eth DA

Op: T

Value: 1 (Um) o software já converte de decimal para hexadecimal.

5 –Botão “Add”

The screenshot shows the configuration interface for ONU MAC-C07E402213A8. The 'Rules' tab is active. The configuration is as follows:

- Port: User-2
- Action: Set VID; Add Tag; Forward
- Precedence: 12
- VID: 200

The 'Modify Clauses' table contains one entry:

Field Select	Op	Value
00 - Eth DA	T	0x0000000000000001

The main rules table contains two entries:

V	Pri	Action	Parameters	Field Select	Op	Value
12		Set VID; Add Tag; Forw	VID=200	00 - Eth DA	T	0x0000000000000001
12		Set Destination; Forward	Link Idx=1, Q=0	00 - Eth DA	T	0x0000000000000000

At the bottom, there is an 'Add' button and a 'Flags' section with options: Erase All Rules, Stop Traffic, and Resume Traffic.