Drone Application - HOWTO

Document Revision History

Rev. No.	Date	Revised By	Comments
1.0	26.01.2015	Development team	Doc to describe how-to use drone application

Contents

1 Building Drone Application

Drone application provides information of flows activated in switches when we send any type of packet flow.

1.1 Drone Code Tree

Drone code can be accessed in below directory:

```
$ (mul-code-dir)/application/drone/
```

1.2 Building Drone Code

Drone can be built separately from its source code by following command:

```
$ cd (mul-code-dir)/application/drone/
$ make
```

1.3 Running Drone

```
$ cd (mul-code-dir)/application/drone
$ sudo ./muldrone
```

1.4 Configuring Drone

For Drone application, we need to send flow configuration to MUL controller. This flow will be analyzed by the controller & will be sent back to drone after modifying it according to the switch flow. Thus Drone console will show what type of flow exists on the switches for this particular flow.

```
$ cd (mul-code-dir)/application/drone/
$ vim flowConfiguration.cfg
```

The content of configuration file is as follows:

```
#dpid  in_port dl_vlan   dl_type      dl_dst                dl_src          dl_vlan_pcp   table_id   tos    proto    mpls_label    tp_src
tp_dst    ipv4_src    ipv4_dst    ipv6_src  ipv6_dst   tunn_id  metadata  mpls_bos  mpls_tc

 1         1       0         2048   00:00:00:00:00:02   00:00:00:00:00:01     0             0         0      0          0             0
 0        10.0.0.1   10.0.0.2        0          0          0          0          0          0
```

As it can be seen from configuration file, the fields are mentioned in horizontal & the values corresponding to these fields have been given below the corresponding fields.