|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **SDN Features** | **Conventional Network (NSL-KDD)** | **No. in NSL-KDD** | **Description** |
| 1 | duration | Duration | 1 | Length of the connection (in seconds) |
| 2 | protocol\_type | Protocol\_type | 2 | Type of protocol |
| 3 | tx packets (data bytes) How to compute??? | Src\_bytes | 5 | Number of data bytes transferred from source to destination in single connection |
| 4 | rx packets (data bytes) OR How to compute???? | Dst\_bytes | 6 | Number of data bytes transferred from destination to source in single connection |
| 5 | flag | flag | 4 | Status of the connection – Normal or Error |
| 6 | How to compute? | count | 23 | Number of connections to the same destination host as the current connection in the past two seconds |
| 7 | How to compute? | srv\_count | 24 | Number of connections to the same service (port number) as the current connection in the past two seconds |
| 8 | How to compute? | Dst Host Count | 32 | Number of connections having the same destination host IP address |
| 9 | How to compute? | Dst Host Srv Count | 33 | Number of connections having the same port number |
|  | ? | ??? | 25-31 |  |

* **Link NSL-KDD Dataset:**

<https://docs.google.com/spreadsheets/d/1oAx320Vo9Z6HrBrL6BcfLH6sh2zIk9EKCv2OlaMGmwY/edit#gid=0>

<https://inseclab.uit.edu.vn/nsl-kdd-goc-nhin-chi-tiet-ve-tap-du-lieu-huan-luyen-cho-cac-ids/>

* **Link SDN StatisticReply:**

<http://flowgrammable.org/sdn/openflow/message-layer/statsresponse/#tab_ofp_1_3_1>

