UDP

|  |  |  |  |
| --- | --- | --- | --- |
| **IDS** | **Total Attacks** | **Attacks Detected** | **%detection** |
| PCA only | 252 | 247 | 99.305556% |
| LDA only | 252 | 250 | 99.801587% |
| Proposed | 252 | 252 | 100% |

|  |  |  |  |
| --- | --- | --- | --- |
| **IPS** | **Total Attacks** | **Attacks Detected** | **%detection** |
| PCA only | 252 | 247 | 98.412698% |
| LDA only | 252 | 250 | 98.360656% |
| Proposed | 252 | 252 | 100% |

**TCP Sync**

|  |  |  |  |
| --- | --- | --- | --- |
| **IDS** | **Total Attacks** | **Attacks Detected** | **%detection** |
| PCA only | 252 | 14 | 95.901639% |
| LDA only | 252 | 10 | 98.360656% |
| Proposed | 252 | 252 | 100% |

|  |  |  |  |
| --- | --- | --- | --- |
| **IPS** | **Total Attacks** | **Attacks Detected** | **%detection** |
| PCA only | 12 | 14 | 88.524590% |
| LDA only | 12 | 10 | 96.311475% |
| Proposed | 12 | 12 | 100% |

**TCP PSH ACk**

|  |  |  |  |
| --- | --- | --- | --- |
| **IDS** | **Total Attacks** | **Attacks Detected** | **%detection** |
| PCA only | 4 | 5 | 81.250000% |
| LDA only | 4 | 3 | 87.500000% |
| Proposed | 4 | 4 | 100% |

|  |  |  |  |
| --- | --- | --- | --- |
| **IPS** | **Total Attacks** | **Attacks Detected** | **%detection** |
| PCA only | 4 | 5 | 81.250000% |
| LDA only | 4 | 3 | 87.500000% |
| Proposed | 4 | 4 | 100% |

**ICMP Attack**

|  |  |  |  |
| --- | --- | --- | --- |
| **IDS** | **Total Attacks** | **Attacks Detected** | **%detection** |
| PCA only | 5 | 6 | 86.363636% |
| LDA only | 5 | 3 | 90.909091% |
| Proposed | 5 | 5 | 100% |

|  |  |  |  |
| --- | --- | --- | --- |
| **IPS** | **Total Attacks** | **Attacks Detected** | **%detection** |
| PCA only | 5 | 6 | 86.363636% |
| LDA only | 5 | 3 | 81.818182% |
| Proposed | 5 | 5 | 100% |