|  |  |  |  |
| --- | --- | --- | --- |
| Machine | Control IP Address | APP IP Address | Path |
| **M1** | **192.168.1.40** | **192.168.11.1** | **192.168.11.51** |
| **M2** | **192.168.1.41** | **192.168.11.2** | **192.168.11.52** |
| M3 | 192.168.1.42 | 192.168.11.3 |  |
| **M4** | **192.168.1.43** | **192.168.12.1** | **192.168.12.51, 192.168.12.101** |
| M5 | 192.168.1.44 | 192.168.12.2 |  |
| **M6** | **192.168.1.45** | **192.168.12.3** | **192.168.12.53** |
| **M7** | **192.168.1.46** | **192.168.13.1** | **192.168.13.51**  **192.168.13.101**  **192.168.13.151** |
| M8 | 192.168.1.47 | 192.168.13.2 |  |
| M9 | 192.168.1.48 | 192.168.13.3 |  |

(Note: we just need to deploy RoX in red-colored machines and M3 is the central controller)

Encoding path

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Path ID | Src | Dst | Path | IP |
| 1 | M2 | M4 | M2,T1,A2,T2,M4 | 192.168.12.51 |
| 2 | M4 | M2 | M4,T2,A2,T1,M2 | 192.168.11.52 |
| 3 | M6 | M7 | M6,T2,A3,T3,M7 | 192.168.13.51 |
| 4 | M7 | M6 | M7,T3,A3,T2,M6 | 192.168.12.53 |
| 5 | M1 | M7 | M1,T1,A1,T3,M7 | 192.168.13.101 |
| 6 | M7 | M1 | M7,T3,A1,T1,M1 | 192.168.11.51 |
| 7 | M4 | M7 | M4,T2,A2,T3,M7 | 192.168.13.151 |
| 8 | M7 | M4 | M7,T3,A2,T2,M4 | 192.168.12.101 |

Switch Configurations

ToR 1

|  |  |  |
| --- | --- | --- |
| Path ID | Destination | Next Hop |
| 1 | 192.168.12.51 | 10.0.2.2 |
| 5 | 192.168.13.101 | 10.0.1.2 |

ToR 2

|  |  |  |
| --- | --- | --- |
| Path ID | Destination | Next Hop |
| 2 | 192.168.11.52 | 10.0.5.2 |
| 3 | 192.168.13.51 | 10.0.6.2 |
| 7 | 192.168.13.151 | 10.0.5.2 |

ToR 3

|  |  |  |
| --- | --- | --- |
| Path ID | Destination | Next Hop |
| 4 | 192.168.12.53 | 10.0.9.2 |
| 6 | 192.168.11.51 | 10.0.7.2 |
| 8 | 192.168.12.101 | 10.0.8.2 |

Aggr

|  |  |  |
| --- | --- | --- |
| Path ID | Destination | Next Hop |
| 1 | 192.168.12.51 | 10.0.5.1 |
| 2 | 192.168.11.52 | 10.0.2.1 |
| 3 | 192.168.13.51 | 10.0.9.1 |
| 4 | 192.168.12.53 | 10.0.6.1 |
| 5 | 192.168.13.101 | 10.0.7.1 |
| 6 | 192.168.11.51 | 10.0.1.1 |
| 7 | 192.168.13.151 | 10.0.8.1 |
| 8 | 192.168.12.101 | 10.0.5.1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Path ID | Src | Dst | Path | IP |
| 1 | M2 | M4 | M2,T1,A2,T2,M4 | 192.168.12.51 |
| 2 | M4 | M2 | M4,T2,A2,T1,M2 | 192.168.11.52 |
| 3 | M6 | M7 | M6,T2,A3,T3,M7 | 192.168.13.51 |
| 4 | M7 | M6 | M7,T3,A3,T2,M6 | 192.168.12.53 |
| 5 | M1 | M7 | M1,T1,A1,T3,M7 | 192.168.13.101 |
| 6 | M7 | M1 | M7,T3,A1,T1,M1 | 192.168.11.51 |
| 7 | M4 | M7 | M4,T2,A2,T3,M7 | 192.168.13.151 |
| 8 | M7 | M4 | M7,T3,A2,T2,M4 | 192.168.12.101 |

|  |  |  |  |
| --- | --- | --- | --- |
| Machine | Control IP Address | APP IP Address | Path |
| **M1** | **192.168.1.40** | **192.168.11.1** | **192.168.11.51** |
| **M2** | **192.168.1.41** | **192.168.11.2** | **192.168.11.52** |
| M3 | 192.168.1.42 | 192.168.11.3 |  |
| **M4** | **192.168.1.43** | **192.168.12.1** | **192.168.12.51, 192.168.12.101** |
| M5 | 192.168.1.44 | 192.168.12.2 |  |
| **M6** | **192.168.1.45** | **192.168.12.3** | **192.168.12.53** |
| **M7** | **192.168.1.46** | **192.168.13.1** | **192.168.13.51**  **192.168.13.101**  **192.168.13.151** |
| M8 | 192.168.1.47 | 192.168.13.2 |  |
| M9 | 192.168.1.48 | 192.168.13.3 |  |