**Ports and Protocols for Security Onion Standalone Deployment**

**Master Node**

|  |  |  |
| --- | --- | --- |
| Service or Feature | Protocol Name | Port Number |
| Printer (cupsd) | HTTP | 631 |
| Secure Shell (sshd) | SSH | 22 |
| IDS (ossec-auth) | SYSLOG | 1515 |
| Database (mysqld) | SQL | 3306 |
| System Logger (syslog-ng) | SYSLOG | 514 |
| Shell Application (tclsh) | TLS | 7734, 7736, 7901 |
| Web Server (apache2) | HTTPS | 443 |
| Container Management (docker-pr) | HTTP | 5044, 5601, 6050-6053, 9200, 9300, 9600 |

**Ports and Protocols for Security Onion Distributed Deployment**

|  |  |  |
| --- | --- | --- |
| Service or Feature | Protocol Name | Port Number |
| Printer (cupsd) | HTTP | 631 |
| Secure Shell (sshd) | SSH | 22, 50001 |
| IDS (ossec-auth) | SYSLOG | 1515 |
| Database (mysqld) | SQL | 3306 |
| System Logger (syslog-ng) | SYSLOG | 514 |
| Shell Application (tclsh) | TLS | 7734, 7736, 7901 |
| Web Server (apache2) | HTTPS | 443 |
| Container Management (docker-pr) | HTTP | 5044, 5601, 6050-6053, 9200, 9300, 9600 |
| Name System (dnsmasq) | DNS | 53 |
| Structure Store (redis-ser) | HTTP | 6379 |

**Master Node**

**Storage Node**

|  |  |  |
| --- | --- | --- |
| Service or Feature | Protocol Name | Port Number |
| Printer (cupsd) | HTTP | 631 |
| Secure Shell (sshd) | SSH | 22, 6739 |
| IDS (ossec-auth) | SYSLOG | 1515 |
| Database (mysqld) | SQL | 3306 |
| System Logger (syslog-ng) | SYSLOG | 514 |
| Container Management (docker-pr) | HTTP | 5044, 6050-6053, 9200, 9300, 9600 |

**Forward (Sensor) Node**

|  |  |  |
| --- | --- | --- |
| Service or Feature | Protocol Name | Port Number |
| Printer (cupsd) | HTTP | 631 |
| Secure Shell (sshd) | SSH | 22, 6050 |
| IDS (ossec-auth) | SYSLOG | 1515 |
| Database (mysqld) | SQL | 3306 |
| System Logger (syslog-ng) | SYSLOG | 514 |
| Shell Application (tclsh) | TLS | 8001 |
| Network Monitor (zeek/bro) | TLS | 47761-47764 |