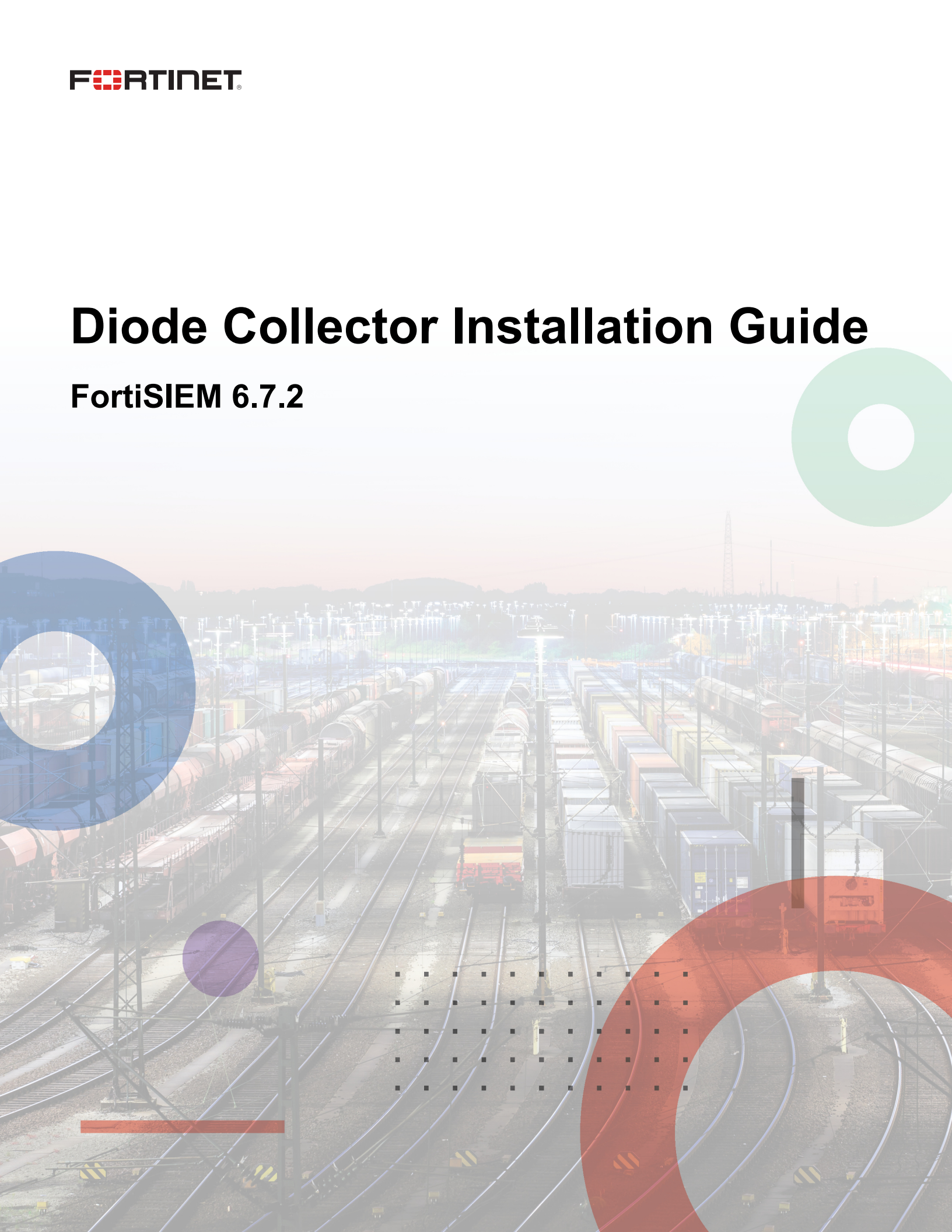


Diode Collector Installation Guide

FortiSIEM 6.7.2



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Change Log

Date	Change Description
02/13/2023	Initial version of Diode Collector Installation Guide

Diode Collector

- [Feature](#)
- [Standard Configuration](#)
- [Additional Configurations](#)
- [Example diode_collector.json File](#)

Feature

The diode collector has the following functionalities:

1. Ability to install without Internet connectivity
2. Ability to work without registering with Supervisor node
3. Ability to collect syslog, SNMP trap and Windows log via WMI/OMI protocol using local configuration
4. Ability to send events to another Collector or Worker via UDP/514 using syslog protocol

A diode collector only requires a strictly one-way communication from itself to another Collector or Worker. There are two deployment modes:

1. Diode Collector -> Worker
2. Diode Collector -> Regular Collector -> Worker

The regular Collector can send events to Worker via HTTPS.

Standard Configuration

To configure a diode collector, there are two general steps. Note that there is a Service Provide case (1) , and an Enterprise case (2), in Step 1.

Step 1: Collect Collector Information from Supervisor Node

1. For Service Provider case, a Collector is associated with a customer.
 - a. Navigate to **Admin > Setup > Organizations**.
 - b. Click **New**, and create an Organization with the Collector.
 - c. Get the **Customer Id**, which appears in the **ID** column. This should appear after the Organization is created.

Storage ▾		Organizations	Credentials	Discovery	Pull Events	Monitor Performance
New	Edit	Delete	Deploy	Search...	Columns ▾	
ID	Organization	Full Name	Admin User			
2000	org1		admin			

- d. Navigate to **ADMIN > Health > Collector Health**.
- e. From the Collector Health page, get the following information:
 - Customer Name (From the **Organization** column)
 - Collector Name (From the **Name** column)
 - Collector Id (From the **Collector ID** column)

Cloud Health		Collector Health	Agent Health	Replication Health	
Customer Name	Collector Name	Collector ID	0		
Tunnels	Search...	Action ▾	Columns ▾		
Organization	Name	Collector ID	IP Address	Health	Last Status U
org1	co583	10000	172.30.58.3	Normal	Nov 18 2022,

2. For Enterprise case (1 Organization)
 - a. Navigate to **ADMIN > Setup > Collector**.
 - b. Click **New**, and create a Collector.
 - c. Navigate to **ADMIN > Health > Collector Health**.
 - d. From the Collector Health page, get the following information:
 - Collector Id
 - Collector Name

Step 2: Configure Collector Using the Information in Step 1

1. Download the collector binary from the Fortinet Support Site.
2. Run `configFSM.sh` on the VM (Internet connectivity not needed). Installation steps are provided [here](#).
3. Modify the file `/opt/phoenix/config/diode_collector.json`. See [Example diode_collector.json File](#) for an example file.

- a. Set **custId** to Customer Id from Step 1 (for Enterprise case, set to 1).
 - b. Set **collectorId** to Collector Id from Step 1.
 - c. Set **orgName** to Customer Name from Step 1 (for Enterprise case, set to super).
 - d. Set **collectorName** to Collector Name from Step 1.
 - e. Set **eventUploadServers** to the Worker in UDP:<IP1>:514,UDP<IP2:514> format where IP1 and IP2 are Worker IP addresses.
 - f. Set Windows Server credentials in the Credentials section.
4. Run the following command.

```
phProvisionDiodeCollector
```

Setup is now complete, and events should appear in the FortiSIEM GUI. There are no differences between events from a diode collector and a regular collector.

Additional Configurations

The following additional configurations are available.

- [Adding Windows Servers or Changing WMI/OMI Credentials](#)
- [Change Parsers](#)

Adding Windows Servers or Changing WMI/OMI Credentials

To add more Windows servers or change WMI/OMI credentials, take the following step.

1. Modify `/opt/phoenix/config/diode_collector.json`
There is no need to restart any process.

Change Parsers

To Change Parsers, take the following steps.

1. Modify or create parser files under `/opt/phoenix/config/xml/`
2. Edit `/opt/phoenix/config/xml/parserOrder.csv`
3. Restart `phParser` by running the following command.

```
killall -9 phParser
```

Example diode_collector.json File

This JSON has 1 WMI example and 1 OMI example.

```
{  
  "custId": 2000,  
  "orgName": "org1",  
  "collectorId": 10000,  
  "collectorName": "CO1",  
  "eventUploadServers": "UDP:192.168.1.100:514,UDP:192.168.1.101:514",  
}
```

```
"eventUploadEpsLimit": 1000,
"creds": [
  {
    "custId": "2000",
    "accessIp": "1.2.3.4",
    "deviceType": {
      "vendor": "Microsoft",
      "model": "Windows",
      "version": "ANY"
    },
    "accessMethod": {
      "accessProtocol": "MS_WMI",
      "pullInterval": 1,
      "credential": {
        "username": "Administrator",
        "password": "12345678"
      }
    },
    "template": {
      "name": "Get All Logs",
      "logTypes": [
        {
          "type": "SECURITY",
          "include": "", //blank means ALL
          "exclude": "" //blank means ALL
        },
        {
          "type": "APPLICATION",
          "include": "", //blank means ALL
          "exclude": "" //blank means ALL
        },
        {
          "type": "SYSTEM",
          "include": "", //blank means ALL
          "exclude": "" //blank means ALL
        }
      ]
    }
  }
],
{
  "custId": "2000",
  "accessIp": "1.2.3.4",
  "deviceType": {
    "vendor": "Microsoft",
    "model": "Windows",
    "version": "ANY"
  },
  "accessMethod": {
    "accessProtocol": "MS_OMI",
    "pullInterval": 1,
    "credential": {
      "username": "Administrator",
      "password": "12345678",
      "omiAuth": "ntlm or kerberos",
      "kerberosADServer": "1.2.3.4",
      "kerberosDomain": "abc"
    }
  }
}
```



```
    },
    "template": {
      "name": "Get All Logs",
      "logTypes": [
        {
          "type": "SECURITY",
          "include": "",
          "exclude": ""
        },
        {
          "type": "APPLICATION",
          "include": "",
          "exclude": ""
        },
        {
          "type": "SYSTEM",
          "include": "",
          "exclude": ""
        }
      ]
    }
  ]
}
```



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