



# Fidelis Deception<sup>®</sup> Decoy Server Appliance

Quick Start Guide  
Rev-K (HPE DL360 Gen10) Platform

# 1. System Overview

Fidelis Deception Decoy Server appliance runs emulated and Real OS decoys. It is connected to Trunk port and/or multiple flat networks, and it communicates with assets on your networks.



Figure 1: Fidelis Deception – Decoy Server Appliance – Rev-K


The Decoy Server reports deception alerts when attackers access the decoy. The Decoy Server reports the deception alerts to your on-premises Fidelis CommandPost or to the remote Fidelis Network Cloud. Your configuration depends on which environment you are using.

## Decoy Server Setup Checklist

✓ Fidelis Decoy Server – Appliance Requirements
Appropriate rack space, power, and cooling ( <a href="#">Appendix B</a> )
Rack tools, rails, and connectors
Keyboard and video monitor / KVM switch for temporary appliance setup
Power cables – two per appliance, appropriate power source and region
Ethernet cables (cat5e and optical) for Admin, Monitor, and iLO ports ( <a href="#">Section 3</a> )
Network switches with enough physical ports ( <a href="#">Section 4</a> )
Optical transceivers for switches
Logical network information: IP addresses, hostnames ( <a href="#">Section 5</a> , <a href="#">Appendix A</a> )

# 2. Documentation, Passwords, and Technical Support

## Product Documentation

You can find Fidelis Network product documentation, appliance specifications, and instructions at <https://support.fidelissecurity.com> or through the  navigation item in the CommandPost user interface.

## Appliance Default Passwords

System	Account	Default Password
Appliance Console	fidelis	fidelispass
CommandPost user interface	admin	system
iLO	administrator	(printed on label, top of server)



## Technical Support

For all technical support related to this product, check with your site administrator to determine support contract details. For support of your product, contact your reseller. If you have a direct support contract with Fidelis Security, contact Fidelis Security Technical support at:

- Phone: +1.301.652.7190
- Toll-free in the US and Canada: 1.800.652.4020
- Email: [support@fidelissecurity.com](mailto:support@fidelissecurity.com)
- Web: <https://support.fidelissecurity.com>

## 3. Decoy Server: Network Port and Cabling Requirements

You must connect each appliance to the various networks with appropriate cables and in some cases, SFP+ transceivers. The tables below describe the physical connection and cable type associated with each port on the appliance.

### Decoy Server Appliances with Copper Ports

Port Label	Physical Connection Type (default)	Cable Type (minimum)
Admin (eth0)	GbE Copper RJ45 (copper)	Cat 5e patch cable
Decoys (eth1)	GbE Copper RJ45 (copper)	Cat 5e patch cable
Decoys (eth2)	GbE Copper RJ45 (copper)	Cat 5e patch cable
Decoys (eth3)	GbE Copper RJ45 (copper)	Cat 5e patch cable
iLO	GbE Copper RJ45 (copper)	Cat 5e patch cable

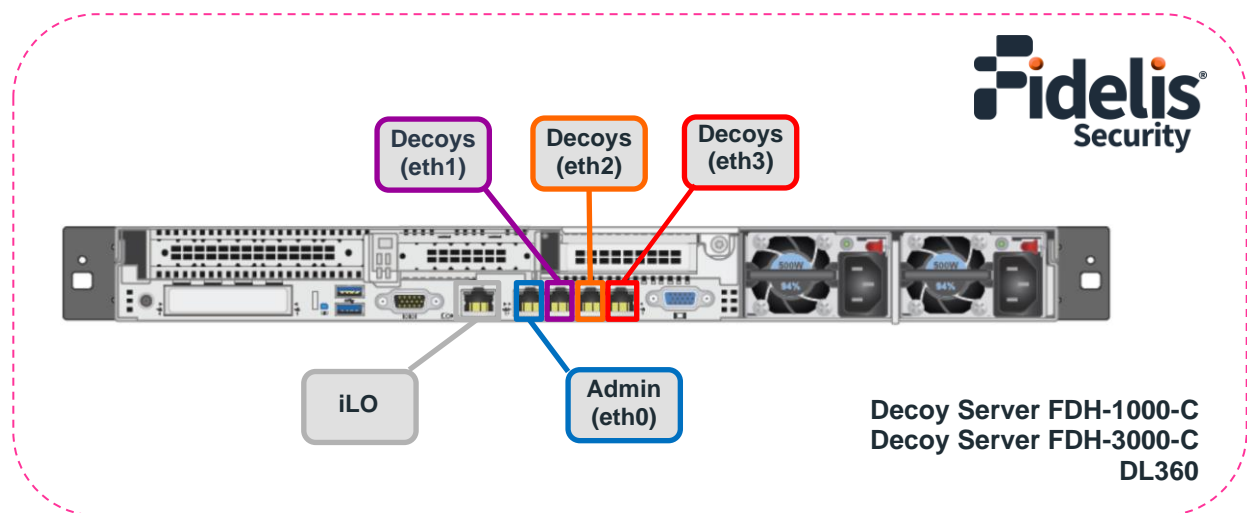


Figure 2: Rear Port Assignments– Decoy Server with Copper Ports (Rev-K)

### Decoy Server 10GbE Optical Ports

Port Label	Physical Connection Type (default)	Cable Type (minimum)
Admin (eth0)	GbE Copper RJ45 (copper)	Cat 5e patch cable
Decoys (eth1)	GbE Copper RJ45 (copper)	Cat 5e patch cable
Decoys (eth2)	GbE Copper RJ45 (copper)	Cat 5e patch cable
Decoys (eth3)	GbE Copper RJ45 (copper)	Cat 5e patch cable
Decoys (eth4)	Duplex LC Connector	Multimode Fiber, 850nM, OM2
Decoys (eth5)	Duplex LC Connector	Multimode Fiber, 850nM, OM2
iLO	GbE Copper RJ45 (copper)	Cat 5e patch cable

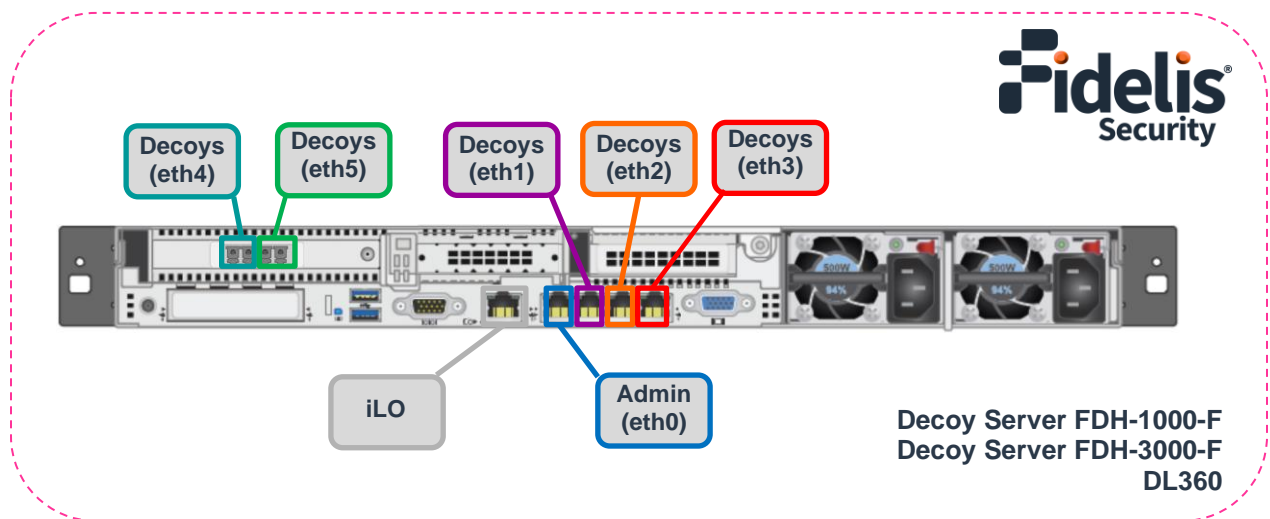


Figure 3: Rear Port Assignments– Decoy Server 10GbE Optical Ports (Rev-K)



## 4. Decoy Server Networking Environment

Decoy server appliances can connect to multiple networks to deploy different decoy services. Decoys can operate whether ports are connected to:

- Trunk ports, which enables communication on multiple subnets from the same port on the appliance,  
and/or
- Ports directly to specific subnets

### Admin Network

The Admin network connects Fidelis Decoy server to the CommandPost, and optionally to an on-premises Fidelis Sandbox. You need one switch port per Decoy server appliance for the Admin network.

Appliance	Switch Port Type	Qty
Decoy Server	GbE Copper RJ45 port	1

### Decoy eth1, Decoy eth2, Decoy eth3

Ports to connect the Decoy server appliance to subnets through network switch directly certain subnets and/or use trunk port.

Appliance	Switch Port Type	Qty
Decoy Server	GbE Copper RJ45 port	3

### Decoy eth4, Decoy eth5, Decoy eth6, Decoy eth7 (additional ports)

Most environments using higher network throughput will use these ports. You can connect the Decoy server to a trunk port and/or to certain subnets through the switch.

Appliance	Switch Port Type	Qty
Decoy Server 1GbE	GbE Copper RJ45 port	4
Decoy Server 10-GbE	Duplex LC Connector, 1GbE or 10GbE	2

### iLO Network

Optional network for remote/out-of-band server administration. You will need on additional switch port for each iLO connection.

Appliance	Switch Port Type	Qty
Decoy Server	GbE Copper RJ45 port	1



## 5. Decoy Server – Logical Network Configuration

Configure the Admin and iLO according to your network configuration. See the table below as a sample. [Appendix A](#) has a worksheet you can use.

**Note:** The logical configuration for decoys is done as part of the decoys creation process.

### Sample Configuration for Decoy Server

Network Setting	Assignments	
Interface	Admin	iLO
Hostname (FQDN)	DecoyServer1.myorg.int	
Static IP Address	10.1.2.3	10.2.3.4
Subnet Mask	255.255.255.0	255.255.255.0
Gateway	10.1.2.1	10.2.3.1
Proxy Server	10.5.6.7	
DNS Servers	8.8.4.4, 8.8.8.8	
NTP Servers	0.pool1.ntp.org	
Time Zone	UTC (+0)	

## 6. Appliance Installation

### Rack Installation

Install each appliance in an enclosure/location that has necessary power and cooling. Ensure that the installation environment is within the operating temperature of the appliance. See [Appendix B](#) for appliance operating temperature requirements.

### Power

Connect power cables to the power supplies in the back of the appliance. See [Appendix B](#) for appliance power requirements.

### Network Cabling

Using the connectors and cables described in sections 3 and 4, begin to connect the appliances to the networks. Cable the sensor appliance(s) to the switches:

1. Connect the Admin (eth0) port to the ADMIN switch port.
2. Optionally, connect the iLO port to the ADMIN (or iLO) switch port.

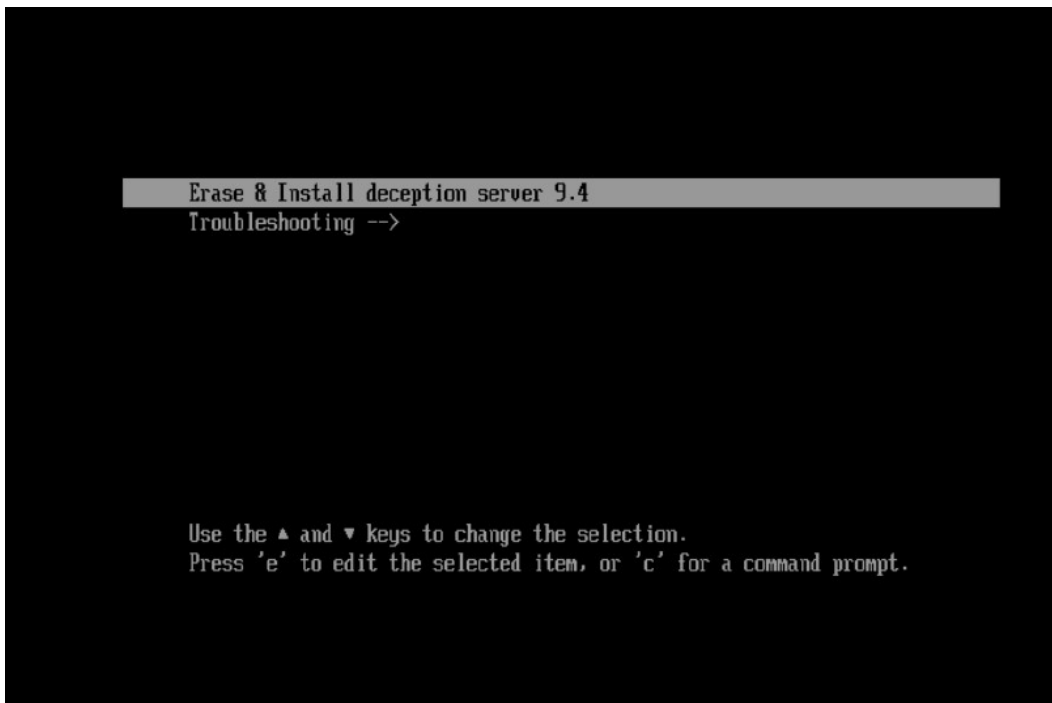


## 7. Decoy Server Network Configuration

1. Power on the appliance(s).
2. Connect to the component CLI using one of the following methods:
  - Via KVM Console
  - Via Console or iLO

### Via KVM Console

Connect a keyboard and monitor to the appliance. For Fidelis Decoy Server version 9.4 or later, the following screen is displayed. If you do not see this screen, connect via SSH (see instructions below).



With **Erase & Install deception server** selected, press Enter.

```
!!!Warning!!! - This will automatically erase all data

Use the ▲ and ▼ keys to change the selection.
Press 'e' to edit the selected item, or 'c' for a command prompt.
Press Escape to return to the previous menu.
```

Press Enter again when you see the screen above to confirm the installation. The software will be applied, and the appliance rebooted. Continue with step 3.

### Via Console or iLO

Login to the system through the console or iLO.

3. Use the following credentials at the login prompt. You will be required to change the password immediately.
  - **user:** fidelis
  - **default password:** fidelisspass

```
Fidelis Deception OS
Kernel 3.10.0-1062.18.1.el7.x86_64 on an x86_64

fss-dec login: fidelis
Password:
You are required to change your password immediately (root enforced)
Changing password for fidelis.
(current) UNIX password:
New password:
Retype new password:
```





4. With Setup, select **Configure network**.

```
-----Fidelis Deception System Info-----
System time:  Nov 26 2020, 02:49 (EST)
Version:      9.4-SNAPSHOT
Machine UUID: 1866DA75EEF4
Hostname:    fss-dec
IP Address:  (dhcp)
Mask:
Default gateway:
DNS:

-----Fidelis Deception System Menu-----
Choose option:
  1  Configure network
  2  Restart services
  3  Change password
  4  Show Terminal
  5  Advanced Menu
  6  Reboot
  7  Shutdown

<Choose>      < Quit >
```

5. Skip the DHCP configuration by selecting **No**.

**Note:** It is recommended that you use a static IP address for the interface so that the connection to the CommandPost/Management is not lost.

```
-----Fidelis Deception System Info-----
System time:  Nov 26 2020, 02:49 (EST)
Version:      9.4-SNAPSHOT
Machine UUID: 1866DA75EEF4
Hostname:    fss-dec
IP Address:  (dhcp)
Mask:
Default gateway:
DNS:

-----Fidelis Deception Network Menu-----
Enable DHCP?

< Yes >      < No >
```



- Configure the network parameters for the system management interface.

```
Fidelis Deception System Info
-----
System time:  Nov 26 2020, 02:49 (EST)
Version:      9.4-SNAPSHOT
Machine UUID: 1866DA75EEF4
Hostname:    fss-dec
IP Address:   (dhcp)
Mask:
Default gateway:
DNS:

Fidelis Deception Network Menu
-----
Network Configuration
-----
IP Address:   10.5.31.81
Mask:        255.255.255.0
Gateway:     10.5.31.1
DNS:
Hostname:    fss-dec

<Apply>      <Back >
```

- When complete, select **Apply** and wait for confirmation to exit Setup.
- To exit, select **Quit** to finish setup.

```
Fidelis Deception System Info
-----
System time:  Nov 26 2020, 02:52 (EST)
Version:      9.4-SNAPSHOT
Machine UUID: 1866DA75EEF4
Hostname:    fss-dec
IP Address:   10.5.31.81
Mask:        255.255.255.0
Default gateway: 10.5.31.1
DNS:        10.5.5.5

Fidelis Deception System Menu
-----
Choose option:
-----
 1 Configure network
 2 Restart services
 3 Change password
 4 Show Terminal
 5 Advanced Menu
 6 Reboot
 7 Shutdown

<Choose>    < Quit >
```




## 8. Fidelis Decoy Server Integration

### Register Decoy Servers with On-Premises CommandPost

1. From the CommandPost user interface, navigate to: **Administration > Components**
2. Click **Add Component**.
3. Fill in the Add New Component popup:

<b>Component Type</b>	Select <b>Decoy Server</b>
<b>Name</b>	Specify a “friendly” name for the Decoy server. This is <i>not</i> the fully qualified domain name of the Decoy server.
<b>Description</b>	Optionally, specify a description, for example, a location, business unit, etc.
<b>IP Address</b>	Specify the IP address of the Admin interface of the Decoy server appliance.

4. Click **Add Component**.
5. To register the sensor, click the  and select **Register**.

Accept the End User License Agreement (EULA). The CommandPost begins communicating with the Decoy server at the specified IP address.

### Register Decoy Servers with Fidelis Network Cloud



Please contact Fidelis Technical Support to connect your Decoy Servers to the Fidelis Network Cloud. Fidelis Technical Support will work with you to configure the Decoy Servers and enable the Fidelis Network Cloud for your environment.

## Appendix A: Network Configuration Worksheet

Network Setting	Assignments	
Interface	Admin	iLO
Hostname (FQDN)		
Static IP Address		
Subnet Mask		
Gateway		
Proxy Server		
DNS Servers		
NTP Servers		
Time Zone		



## Appendix B: System Specifications

	FDH-1000-C (Rev-K) FDH-1000-F (Rev-K)	FDH-3000-C (Rev-K) FDH-3000-F (Rev-K)
		
Form Factor	1U rack-mount chassis SFF	1U rack-mount chassis SFF
CPU	Dual Silver 4214R 12/24-core 2.4Ghz	Single 6246R 16-core 3.4Ghz
TPM	TPM 2.0	TPM 2.0
Memory	64GB ECC DDR4 2933Mhz	128GB ECC DDR4 2933Mhz
Storage Capacity & Configuration	2x HDD 300 GB RAID-1 (300 GB Effective)	6x HDD 600GB RAID-5 (3 TB Effective)
Network Adapters (Default Config)	4x 1GbE FDH-1000-F: 2x 10GbE FDH-1000-F: 2x SFP+ (Optical, multi-mode, 1G/10G)	4x 1GbE F DH-3000-F: 2x 10GbE FDH-3000-F: 2x SFP+ (Optical, multi-mode, 1G/10G)
Out-of-Band Management	Integrated Lights Out Management (iLO)	Integrated Lights Out Management (iLO)
Power Supply	Dual hot-swap 800W High Efficiency AC power supplies	Dual hot-swap 800W High Efficiency AC power supplies
Dimensions	H: 4.29 cm ( 1.69 in) W: 43.46 cm (17.11 in) D: 70.7 cm (27.83 in)	H: 4.29 cm ( 1.69 in) W: 43.46 cm (17.11 in) D: 70.7 cm (27.83 in)
Weight (approx.)	16.27 kg (35.86 lb)	16.27 kg (35.86 lb)
Operating Temperature	10° to 35°C (50° to 95°F) at sea level	10° to 35°C (50° to 95°F) at sea level
AC Input Requirements	100 - 120 VAC 200 - 240 VAC	100 - 120 VAC 200 - 240 VAC
BTU Rating (max)	3067 BTU/hr (100 VAC) 2958 BTU/hr (200 VAC) 2949 BTU/hr (240 VAC)	1902 BTU/hr (100 VAC) 1840 BTU/hr (200 VAC) 1832 BTU/hr (240 VAC)

QSG\_DecoysServer\_Rev-K\_20240624 (rebranded)

Source: Technical Support

