

NSM

Chapter 3:
Standalone NSM Deployment
and Installation

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Topics

- Stand-alone or Server Plus Sensors?
- Choosing How to Get SO Code onto Hardware
- Installing a Stand-alone System

Stand-alone or Server Plus Sensors?

Two Deployment Modes

- **Stand-alone mode** In this mode, SO is a self-contained, single-box solution that collects and presents data to analysts.
- **Server-plus-sensors mode** In this mode, SO acts as a distributed platform, with sensors collecting data and a server aggregating and presenting data to analysts.

Stand-alone



Figure 3-1: Stand-alone SO deployment

- Best for beginners
- All traffic goes to one NSM platform
- Good for networks with simple NSM requirements

Stand-alone

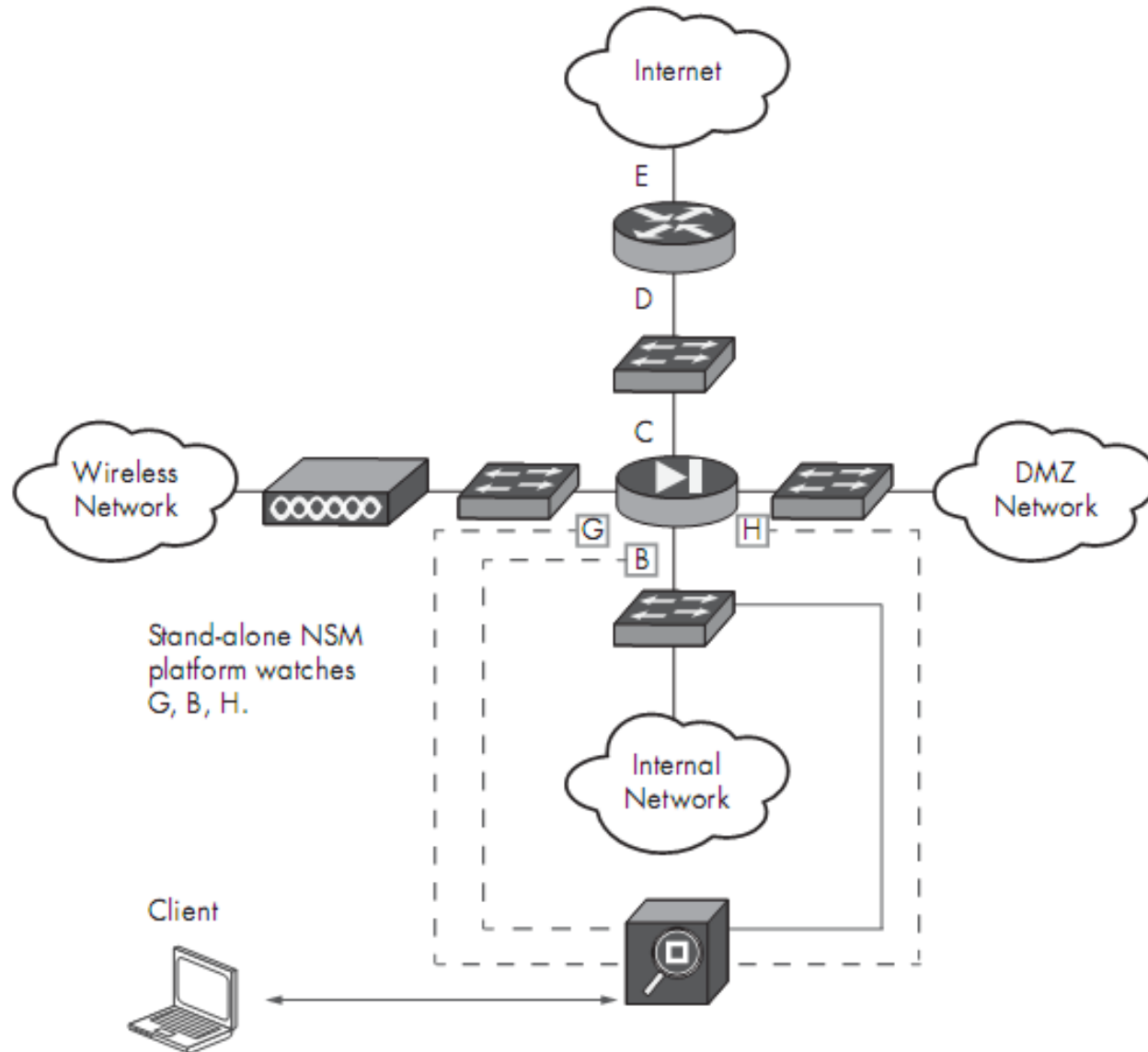


Figure 3-2: Stand-alone SO platform watches network locations G, B, and H.

Server-Plus-Sensors

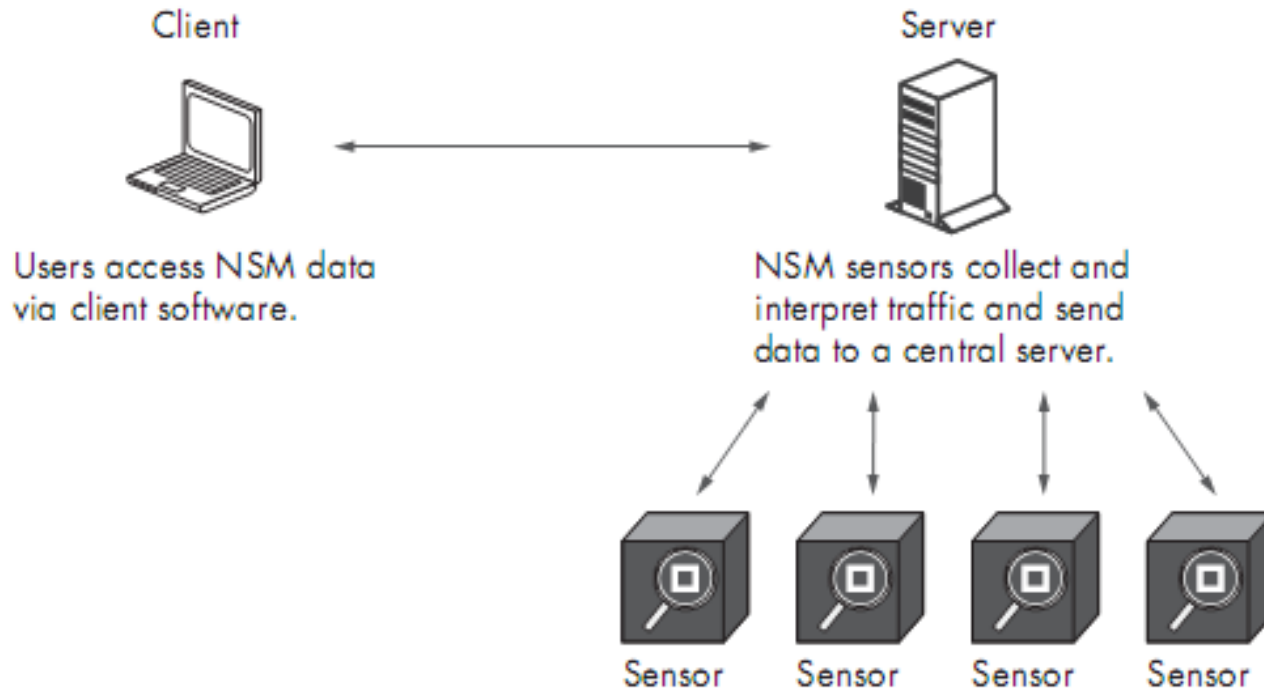


Figure 3-3: Server-plus-sensors SO deployment

- Distributes NSM duties across several servers
- For larger, more complex networks
- Such as geographically separate networks

Server-Plus-Sensors

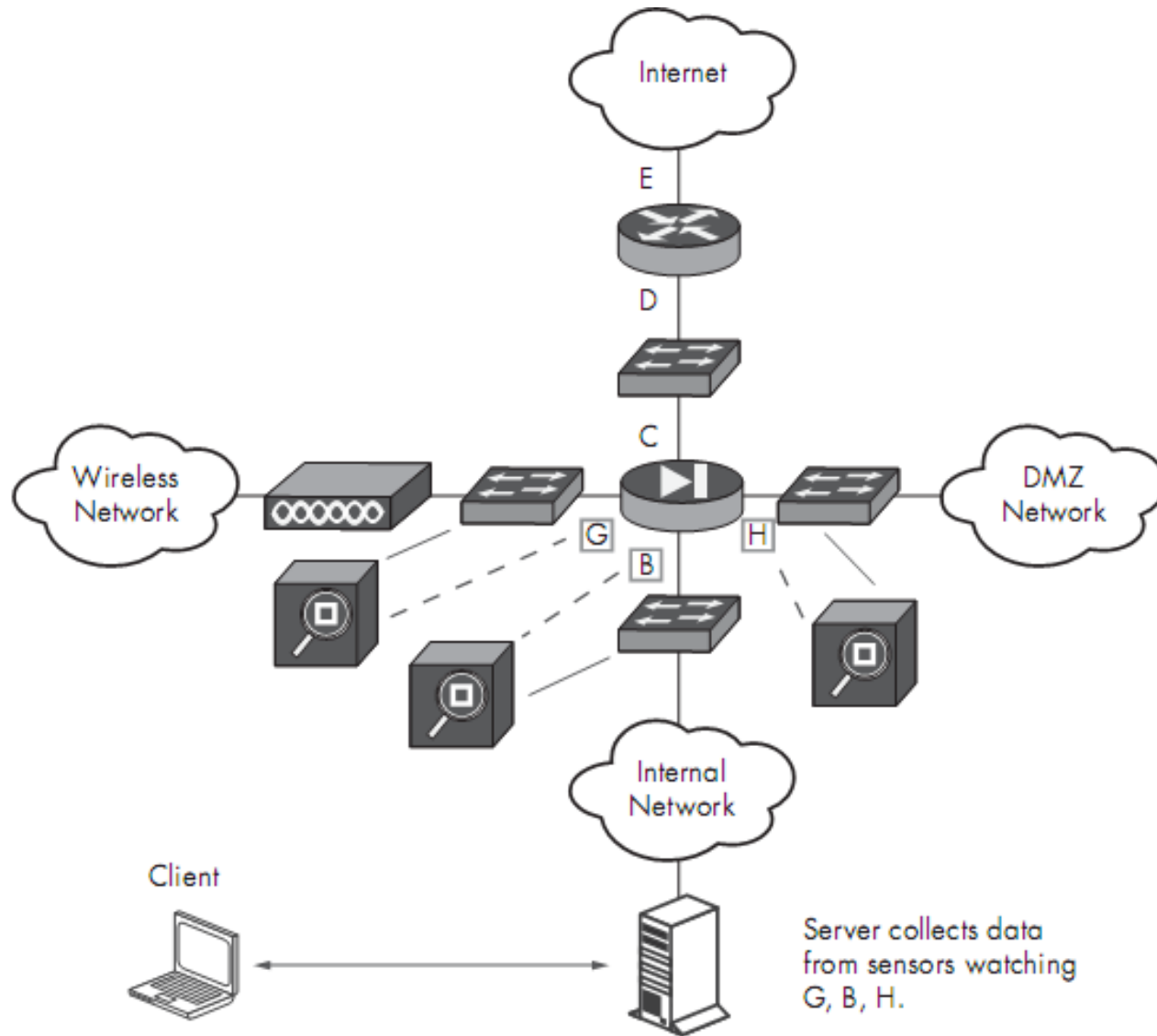


Figure 3-4: The SO server collects data from sensors watching network locations G, B, and H.

Global Deployment

- In server-plus-sensors mode
 - Sensors don't need to be within the local network
 - Can be deployed globally
 - Connect back to central server via the network
 - Through a VPN or through public management interfaces

Choosing How to Get SO Code onto Hardware

Hardware

- SO supports two ways to install code
 - Download ISO file and install from it
 - Flash it to a DVD or thumbdrive
 - Ubuntu Personal Package Archives (PPA)
 - Can install SO on Ubuntu, or derivatives like Xubuntu (64-bit)

Installing a Stand-alone System

Project 1



End of Chapter 3

