

# Securing HPE NonStop Servers using IPsec H1SD2S

<b>HPE course number</b>	H1SD2S
<b>Course length</b>	1 Day
<b>Delivery mode</b>	ILT, VILT
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This course provides a full overview of how to secure TCP/IP network connections on HPE NonStop Servers using IP CLIMs and IPsec. During the course, a quick recap of IP CLIMs will be given, you'll learn the theory behind IPsec, and most importantly, how to configure IPsec. The course includes lab exercises to practice configuring IPsec.

## Audience

- Customer Support personnel
- Customer System managers
- HPE Support personnel

## Prerequisites

- TCP/IP 4-6 and CIP (U4176S)

## Course objectives

- Short introduction to IP CLIMs
- Information on MultiProvider for CLIMs
- Introduction to basic networking
- Introduction to IPsec's theory
- Full overview on configuring IPsec

## Detailed course outline

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**Module 1 – Introduction to IPSec:**

- Lesson 1: Communication basics
- Lesson 2: Introducing IPsec
- Lesson 3: Software components
- Lesson 4: Configuration information
- Lesson 5: Encryption, authentication and compression
- Lesson 6: IPsec configuration backup & restore

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**Module 2 – Configuring an IPSec connection:**

- Lesson 1: Transport mode configuration using ESP
  - Lesson 2: Transport mode configuration using AH
  - Lesson 3: Tunnel mode configuration using ESP
  - Lesson 4: Tunnel mode configuration using AH
  - Lesson 5: Creating a certificate
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