



# Application Guide

## Hongdian- IKEv2 Setup



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## Revision History

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.

Doc Version	Product	Release Data	Details
V1.0	Hongdian Router	2017.08.30	First Release

# 1 Overview

This article introduces How to setup IKEv2 for Hongdian Router. For Cisco Configuration on IKEv, please refer to Cisco Guidance: *IKEv1/IKEv2 Between Cisco IOS and strongSwan Configuration Example*.

## 2 Description

### 1. Setup IPSec in router GUI

The screenshot displays the router's configuration interface for VPN. The 'VPN' tab is selected, and the 'IPSec' sub-tab is active. The configuration is divided into Phase1 and Phase2 sections. Phase1 shows a table with columns: Policy Name (test), Encrypt (des), Hash (md5), Authentication (psk), and Operation (Mod, Del). Phase2 shows a table with columns: Policy Name (test), Encrypt (des), Hash (md5), Remote Subnet (192.168.88.0/24), and Operation (Mod, Del). A 'Note' box is visible on the right side.

### 2. Telnet to device

```

CA Telnet 192.168.8.1

Router CLI

User Access Verification

Password:
router>
router> en
router#
router#
router#
router#
router#
router# config t
router(config)#
router(config)#

```

### 3. Change IKE version in CLI

```
router(config)# crypto isakmp test
the isakmp policy already exist, now edit it
router(config-isakmp)#
router(config-isakmp)#ikev
ikev1      ikev2
router(config-isakmp)#ikev ikev2
router(config-isakmp)#
router(config-isakmp)#wr
Configuration saved to /tmp/hdconfig/cli.conf
router(config-isakmp)#
router(config-isakmp)#
```

#### 4. Show run and check the IKE version in CLI.

```
crypto isakmp test
  encryption des
  hash md5
  ikev ikev2
  authentication psk
  group group768
  lifetime 28800
  pre-shared-key test
  initiate-mode main
?
crypto ipsec isakmp test
  encryption des
  hash md5
  mode auto
  set pfs group768
  lifetime 3600
  protocol esp
  local-subnet 192.168.8.0/24
  remote-subnet 192.168.88.0/24
?
```

## Reference:

- [1] Cisco.IKEv1/IKEv2 Between Cisco IOS and strongSwan Configuration Example.  
<https://www.cisco.com/c/en/us/support/docs/ip/internet-key-exchange-ike/117258-config-l2l.pdf>



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## **Contact us**

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