

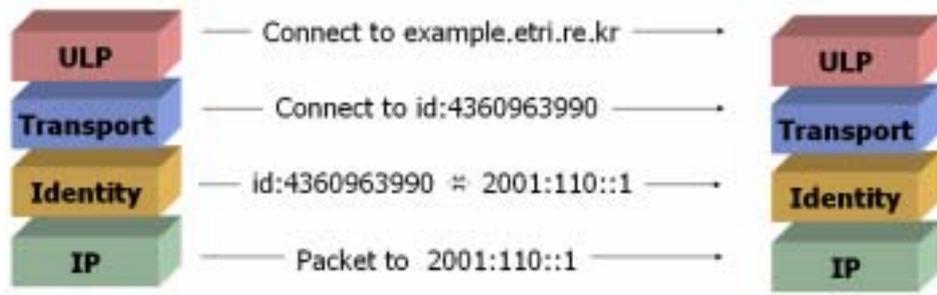
[] Identifier/Locator

- 1. IP (Endpoint identifier)
- 2. IP Identifier Locator (Location identifier)

Identifier Locator 가 IP
 IP 가 Identifier Identifier (Seamless service)

Identity locator ?
 (ISP 2)
 Identifier Locator

Locator Identifier
 (1) 3 (IP) 4 (Transport) Identity
 Identifier (ID: 4360963990) IP
 locator IP (2001:110::1)
 IP 가 Identity IP ID
 가



(1) Identifier locator

Identifier Locator

- [VIP \(Virtual Internet Protocol\)](#)

1994 IP IPv6 가 IPv4
 VIP가 . VIP Transport VIP address
 Identifier Locator IP . VIP IP
 Transport IP VIP . VIP 가
 VIP
 가 .

- [LINA \(Location Independent Network Architecture\)](#)

1999 , IPv6
 LIN6 . VIP IP
 Identification delivery Identifier Locator
 . LIN6 locator IPv6 , Identifier
 embedded address 64bit LIN6 ID IPv6 64 bits prefix가
 (LIN6 address)가 . LIN6 WIDE
 가 , FreeBSD .

- [HIP \(Host Identity Protocol\)](#)

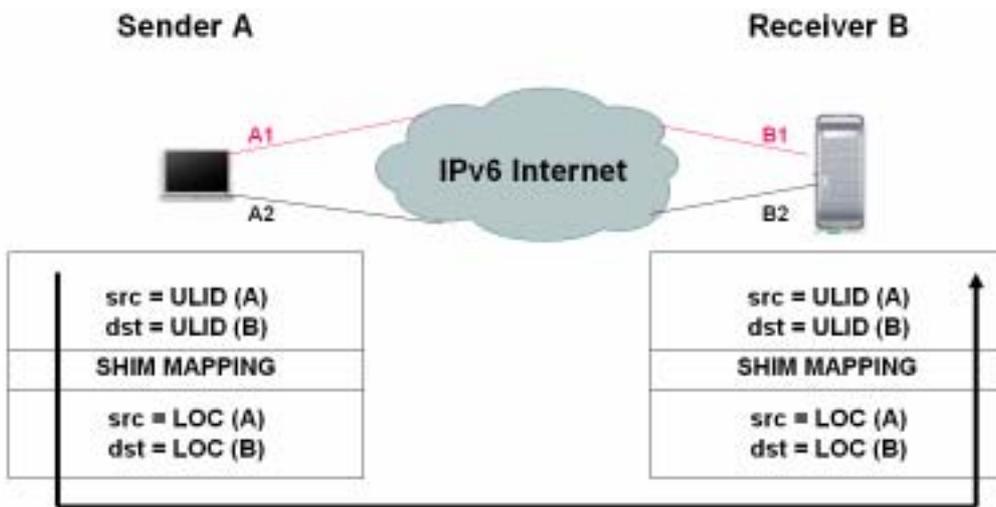
HIP , Transport IP
 Identifier Locator Identity 가 .
 Identifier public key hash . HIP
 , DNS
 RVS(Rendezvous Server) 가 가 .

- [L3Shim \(Network layer Shim\)](#)

HIP IPv6
 . L3Shim 3가
 . Identifier HIP name space
 IP . (2) L3Shim .

1. Identifier ULID (A) Locator LOC (A)
가 IP ()
2. Shim context
3. A1-B1 A2-B2
Identifier , locator A1 A2 B1 B

L3Shim ULID LOC , null
L3Shim ULID LOC



1. 연결초기: ULID (A) = LOC (A) = A1, ULID (B) = LOC (B) = B1
2. Shim Context 교환 후: 각각 상대방의 Locator set 정보 획득
3. A1-B1 링크의 문제발생 후: Shim 매핑
ULID (A) = A1 → LOC (A) = A2, ULID (B) = B1 → LOC (B) = B2

(2) L3Shim

1994	VIP가	ID/Locator	IP	IPv6
1999	IETF (Internet Engineering Task Force) HIP가	HIP	IP	ID Locator
2000	IETF 가	Multi6		LIN6
2001	HIP	IETF		BoF (Birds of a Feather)
HIP	2002	2003		2004 59

BoF 60 IETF IRTF HIP
 IETF HIP HIP
 , IRTF IP
 IETF HIP
 HIP
 2004 61 IETF Multi6 IPv6 가
 Identifier Locator
 L3shim
 L3Shim Multi6 Shim6(Site Multihoming
 by IPv6 Intermediation) , Shim6 2005 62
 IETF BoF
ID/Locator
 , ID/Locator VIP, LIN6, HIP 가
 가 가 HIP 가
 Shim6 가
 L3Shim ID Locator , shim IPv6
 가
 IETF standard track 가
 ID Locator
 L3Shim ,
 HIP 가 , 가
 가
 (, twyou@etri.re.kr)