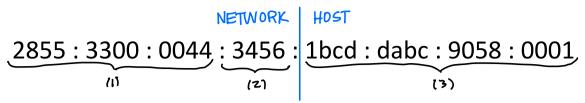
IPv6 Addressing

BAIS:3400 - Cloud Computing



- 1.) What part of the address is assigned by the RIR and identifies the company?
 - see diagram above.
- 2.) What part of the address is assigned by the company and identifies the subnet (Site Level Aggregator (SLA))?
- 3.) What part of the address identifies the host (interface)?

see diagram above.

4.) How many bits are in an IPv6 address?

5.) How many /64 subnets are available in a /48 prefix?

7.) How many available IPv6 host addresses are there in a /64 allocation?

8.) What is the IPv6 default route address similar to 0.0.0.0 in IPv4?

9.) What is the IPv6 loopback address similar to 127.0.0.1 in IPv4?

10.) What is most truncated form of IPv6 address 2001 : 1000 : 0000 : 0000 : 0000 : 0000 : 0000

2001:1000:0:0:3::

11.) What is the long form of the address 2620 : 0 : e50 ::?

2620:0000:0e50:0000:0000:0000

12.) What is the difference between stateful and stateless configuration?