# Server

# How many IP addresses can be used in an IPv6 address block?

The number of maximum usable IPs in an IPv6 address block results of the network prefix.

For example:

**/128** = 1 IPv6 address

**/64**  = 1 IPv6 subnet = $2^{64}$ possible IP addresses

Further information can be found directly under:
http://www.ripe.net/internet-coordination/press-centre/understanding-ip-addressing.
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