

Userspace send() s  
packet



Ordinary Linux  
routing table  
decides to give it to  
wg0



WireGuard inspects  
the dest. IP addr  
of the pkt to  
determine which  
peer it's for



The pkt is encrypted  
with that peer's  
session keys, and  
sent to the peer's  
endpoint

WireGuard UDP  
socket recv()s  
encrypted packet



Decrypts this pkt,  
and in doing so  
learns which peer  
it's from



WireGuard inspects  
the src IP of the  
decrypted pkt, and  
sees if this actually  
corresponds with the  
peer who sent it



If it corresponds,  
the pkt is  
allowed; otherwise  
it's dropped