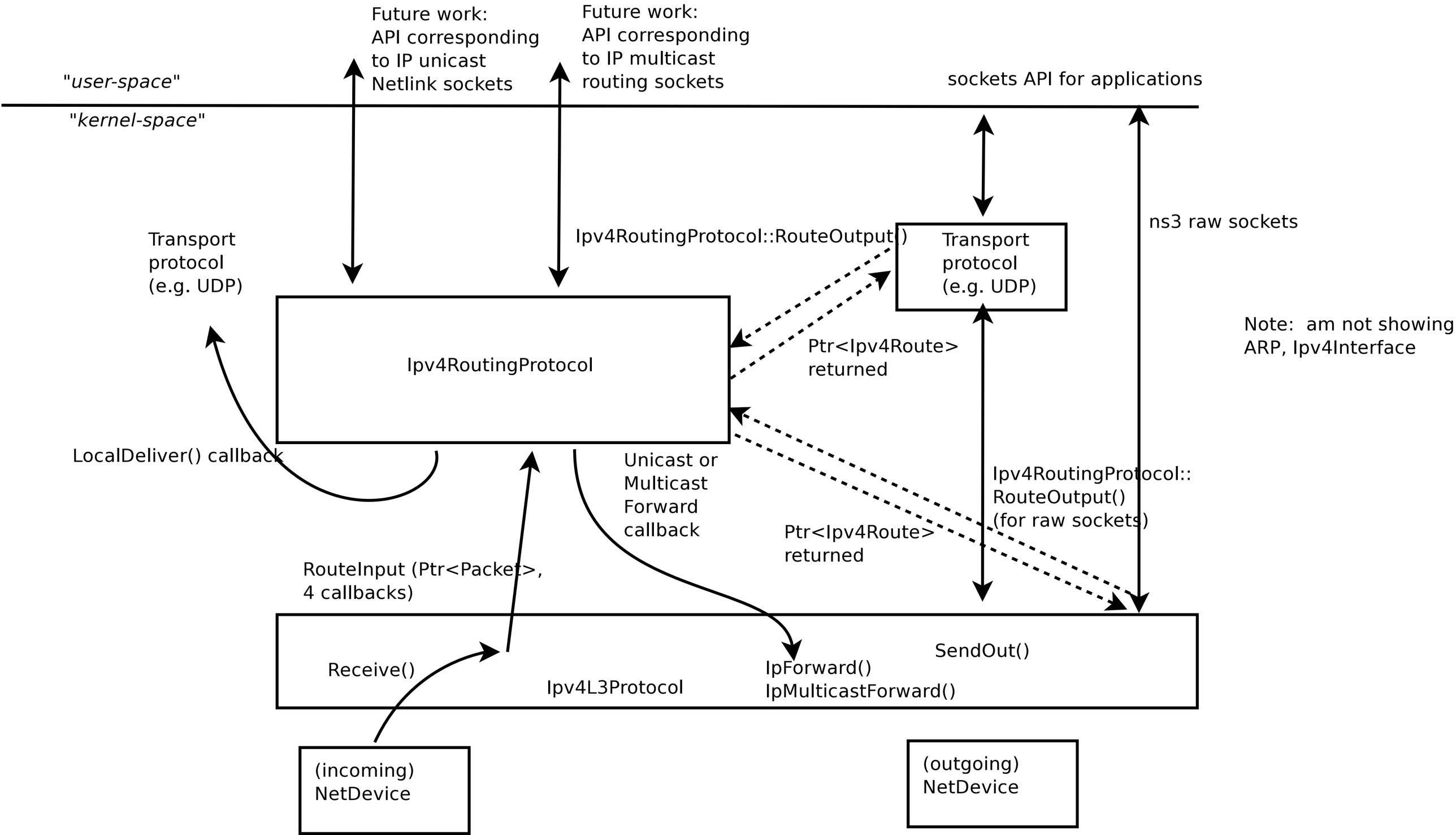
Future work:
API corresponding
to IP unicast
Netlink sockets
Future work:
API corresponding
to IP multicast
routing sockets
"user-space"
sockets API for applications
"kernel-space"
ns3 raw sockets
Transport
protocol
(e.g. UDP)
Ipv4RoutingProtocol::RouteOutput()
Transport
protocol
(e.g. UDP)
Note: am not showing
ARP, Ipv4Interface
Ipv4RoutingProtocol
Ptr<Ipv4Route>
returned
LocalDeliver() callback
Unicast or
Multicast
Forward
callback
Ipv4RoutingProtocol::
RouteOutput()
(for raw sockets)
Ptr<Ipv4Route>
returned
RouteInput (Ptr<Packet>,
4 callbacks)
SendOut()
Receive()
IpForward()
IpMulticastForward()
Ipv4L3Protocol
(incoming)
NetDevice
(outgoing)
NetDevice