**System routes**

Azure automatically creates system routes and assigns the routes to each subnet in a virtual network. You can't create system routes, nor can you remove system routes, but you can override some system routes with [custom routes](https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview#custom-routes). Azure creates default system routes for each subnet, and adds additional [optional default routes](https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview#optional-default-routes) to specific subnets, or every subnet, when you use specific Azure capabilities.

### Default

Each route contains an address prefix and next hop type. When traffic leaving a subnet is sent to an IP address within the address prefix of a route, the route that contains the prefix is the route Azure uses. Learn more about [how Azure selects a route](https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview#how-azure-selects-a-route) when multiple routes contain the same prefixes, or overlapping prefixes. Whenever a virtual network is created, Azure automatically creates the following default system routes for each subnet within the virtual network:

| **DEFAULT** | | |
| --- | --- | --- |
| **Source** | **Address prefixes** | **Next hop type** |
| Default | Unique to the virtual network | Virtual network |
| Default | 0.0.0.0/0 | Internet |
| Default | 10.0.0.0/8 | None |
| Default | 192.168.0.0/16 | None |
| Default | 100.64.0.0/10 | None |

User Define Routes : UDR allows users t create network routes to deploy NVA (Network Virtual Appliance) like CISCO firewall. When different route types are present in the UDR route table, user defined routes take preference over default system routes