

## Picture of Droplet Installation Completion

The screenshot shows the DigitalOcean interface for a Droplet named "ubuntu-s-1vcpu-1gb-sfo2-01". The Droplet is in the "first-project" environment, has 1 GB Memory, 25 GB Disk, and is running Ubuntu 24.04 (LTS) x64. It has an IPv4 address of 138.68.42.214 and a Private IP of 10.120.0.2. The "Metrics agent" is enabled. A "Graphs" sidebar on the left lists various monitoring options like Access, Power, Volumes, Resize, Networking, Backups, Snapshots, Kernel, History, Destroy, Tags, and Recovery. In the center, there's a "Bandwidth" graph for the last hour, showing private and public inbound/outbound traffic. The graph indicates low bandwidth usage, mostly below 2 kbps. A callout box suggests upgrading the Droplet for additional metrics and alerting.

## Picture of successfully activating the VPN on a mobile device and personal computer

The screenshot displays two separate interfaces for managing a WireGuard VPN connection. On the left, a mobile device screen shows the "WireGuard" app with a "peer2" tunnel selected. The tunnel is active, with a public key of PmNEs8l4IAe0jTa4xtheijOW5L6mVQBwxQNran4OS30=, a listen port of 51820, and addresses 10.0.0.3/32. On the right, a laptop screen shows the "DockerVPN" configuration in the Docker interface. The interface includes fields for Name (DockerVPN), Public key (NTTSGZSWICL4XWZUfTgZDSbpV2), Addresses (10.0.0.2/32), Listen port (51820), DNS servers (10.0.0.1), and a Peer section with a public key of 43nrK0JOLBd1ov8sgyGJCHynCE21. Both screens show the "Active" status of the VPN connection.

## Testing the VPN on a Mobile Device

The two pictures show the different IP address before and after the VPN was activated. One shows an IP address associated with the University of Tulsa, while the other one shows the IP address in California, the region I chose was for San Francisco which will change depending on the region chosen for the droplet.

This screenshot shows the iLeak.net mobile application interface. At the top, it displays the time as 11:39 and battery status. Below that, the logo for iLeak.net and the text "powered by AirVPN" are visible. A search bar contains the placeholder "Search an IP Address" with a "Search" button next to it. A descriptive text below the search bar states: "This is the kind of information that all the sites you visit, as well as their advertisers and any embedded widget, can see and collect about you." The main section is titled "Your IP addresses" and shows a single IP entry: "129.244.19.75" with a small American flag icon, followed by "United States - Oklahoma" and "UTULSA-AS". A note below says "No forwarded IP detected. If you are using a proxy, it's a transparent proxy." Below this, there is a red circular icon with a white dot and the text "IPv6 test not reachable. (error)". At the bottom, it shows "Browser default: ● IPv4 (181 ms)" and "Fallback: □". Another section titled "Your IP addresses - WebRTC detection" is partially visible. At the very bottom, it shows "DNS Addresses - 5 servers detected, 4 tests" and a result for "66.185.112.243" from "United States - Texas" with "WOODYNET-1" and "1 hit". The footer includes icons for a menu, a lock, and refresh.

This screenshot shows the same mobile application interface after the VPN has been activated. The top status bar now shows the time as 1:27, signal strength, and 5G connectivity. The "Your IP addresses" section now shows a different IP address: "138.68.42.214" with an American flag icon, followed by "United States - California" and "DIGITALOCEAN-ASN". A note below says "No forwarded IP detected. If you are using a proxy, it's a transparent proxy." Below this, there is a red circular icon with a white dot and the text "IPv6 test not reachable. (error)". At the bottom, it shows "Browser default: ● IPv4 (257 ms)" and "Fallback: ● Fail (timeout - Try 1/3)". Another section titled "Your IP addresses - WebRTC detection" is partially visible. At the very bottom, it shows "DNS Addresses - 4 servers detected, 5 tests" and a result for "167.99.106.18" from "United States - California". The footer icons remain the same.

## Testing the VPN on the Computer

The same results as on Testing the VPN on a Mobile Device.

This is the kind of information that all the sites you visit, as well as their advertisers and any embedded widget, can see and collect about you.

Your IP addresses

129.244.19.79  
United States - Oklahoma  
OKLAHOMA CITY-AS

● IPv6 test not reachable. (error)

No forwarded IP detected. If you are using a proxy, it's a transparent proxy.

Browser default: ● IPv4 (150 ms) Fallback: ● Fail (timeout - Try 1/3)

Your IP addresses - WebRTC detection

If you are now connected to a VPN and you see your ISP IP, then your system is [leaking WebRTC requests](#)

DNS Addresses - 12 servers detected, 24 tests

86.20.116.70.244 United States - Texas WOODYNET-1 7 hit	66.105.112.244 United States - Texas WOODYNET-1 9 hit	2620.116.80.251 United States - Texas WOODYNET-1 2 hit
66.105.112.243 United States - Texas WOODYNET-1 9 hit	66.105.112.251 United States - Texas WOODYNET-1 10 hit	2620.116.80.250 United States - Texas WOODYNET-1 6 hit

This is the kind of information that all the sites you visit, as well as their advertisers and any embedded widget, can see and collect about you.

Your IP addresses

198.68.42.214  
United States - California  
DIGITALOCEAN-ASN

● IPv6 test not reachable. (error)

No forwarded IP detected. If you are using a proxy, it's a transparent proxy.

Browser default: ● IPv4 (458 ms) Fallback: ● Fail (timeout - Try 1/3)

Your IP addresses - WebRTC detection

If you are now connected to a VPN and you see your ISP IP, then your system is [leaking WebRTC requests](#)

DNS Addresses - 4 servers detected, 15 tests

143.10.205.101 United States - California DIGITALOCEAN-ASN 10 hit	167.99.126.18 United States - California DIGITALOCEAN-ASN 16 hit	134.209.61.201 United States - California DIGITALOCEAN-ASN 9 hit
143.10.205.101 United States - California DIGITALOCEAN-ASN 3 hit	167.99.126.18 United States - California DIGITALOCEAN-ASN 2 hit	178.128.10.13 United States - California DIGITALOCEAN-ASN 10 hit