



Netropy Traffic Generation in VMware Virtual Environments Checklist

Please review the following and acknowledge that you meet requirements to successfully install
Netropy Traffic Generator Virtual Edition

Ready?	Details
Hardware Requirements	
<input type="checkbox"/>	ESXI 6.5 or above
<input type="checkbox"/>	<p>Adequate processing and RAM availability (especially if installing into an existing VMware environment).</p> <p>1Gbps (2 Port) requires:</p> <ul style="list-style-type: none"> • 6 VCPUs • 32GB of RAM • 2 Hard Disks
<input type="checkbox"/>	Intel Xeon based processor
<input type="checkbox"/>	<p>Supply information for microarchitecture of processor.</p> <p><i>ssh into the ESXI server and run the following commands and send us the results</i></p> <p style="text-align: center;"><i>vim-cmd hostsvc/hosthardware grep description</i></p> <p><i>(requires ssh to be enabled on ESXI host)</i></p> <p>Results: _____</p>
Administrative Requirements	
<input type="checkbox"/>	<p>An engineer/administrator with thorough knowledge of:</p> <ul style="list-style-type: none"> • Virtual environments • VMware • vSwitch configuration • Port group configuration • VLAN configuration (optional)
<input type="checkbox"/>	<p>Network assignments</p> <p>Static/DHCP (circle one). If static network, provide the following information:</p> <ul style="list-style-type: none"> • IP Address: _____ • Gateway Address: _____ • Subnet mask: _____ • DNS Addresses (optional): _____ • Network time server (optional): _____

<input type="checkbox"/>	<p>Detailed knowledge of network and access to change configuration, including any network devices that could disrupt traffic flow from NTGVE, for example:</p> <ul style="list-style-type: none"> • Gateway configurations • Router configurations • Routing protocol settings • Firewall restrictions • Bandwidth limitations/throttling
<input type="checkbox"/>	<p>Adequate time to dedicate to setting up the environment and performing necessary troubleshooting</p>
<input type="checkbox"/>	<p>Root/admin level access to the ESXI server</p>
<input type="checkbox"/>	<p>Permission to create and edit VMs, vSwitches, Port Groups, and possibly set CPU affinity</p>
<input type="checkbox"/>	<p>Ability to enable security policies on vSwitches and Port Groups including:</p> <ul style="list-style-type: none"> • Promiscuous mode • Forged Transmits • MAC changes • Set or Edit VLAN IDs
Requirement for Passthrough (If assigning VMs to Physical NICs)	
1Gbps	
<input type="checkbox"/>	<p>Intel 82571EB or similar cards</p>
<input type="checkbox"/>	<p>Processor must support VT-d</p>
<input type="checkbox"/>	<p>Ability to reboot ESXI (sometimes necessary when enabling passthrough)</p>