malware analysis

**assessment questions**

Lesson 01 – Creating a safe lab environment

*Learning Outcome Number 1*

Networks that are isolated from other networks are considered?

**Airgapped**VirtualInternalPrivate

\_\_\_\_\_\_ is a network configuration option used with virtualization software to connect a VM to the same network as the host OS.

**Bridged**Spanned  
Network Address Translation (NAT)  
Host-Only

\_\_\_\_\_\_ is a network configuration option used with virtualization software that allows the VM to be assigned an IP from a virtual DHCP server on a private LAN. Both the host and the guest OS share a single identity outside the private LAN.  
  
BridgedSpanned  
**Network Address Translation (NAT)**  
Host-Only

\_\_\_\_\_\_ is a network configuration option used with virtualization software that creates a private network between the host and guest utilizing virtual network adapters.  
  
BridgedSpanned  
Network Address Translation (NAT)  
**Host-Only**

*Learning Outcome Number 4*

The following are all examples of using physical machines instead of virtualization except:

**Allow for the creation and usage of multiple OSes within a single host**Run on the actual systems the malware was designed to execute on  
Avoids malware’s use of anti-analysis techniques  
Use of airgapped networks allows for isolation of physical machines