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A Hyper-V high availability is two or more servers, that are used to host virtual machines (VMs). When the servers get together, they work together to provide redundancy and failover with VMs. Protecting companies from lost data and resources Hyper-V high availability has a lot of benefits. One benefit is planned outages, which reduces the impact of users when the system goes offline. It can also provide protect when there are unplanned outages. Another great benefit is disaster recovery, which recovers data and can also start you where you were in an even of a disaster. Backup window reduction is another benefit, when your system is unavailable it reduces the time of it by finding available solutions. One more benefit is load balancing, this is balancing the workload so that the machine is running to the best of its abilities and efficient. I would use Hyper-V high availability to recovery any lost data or resources if a disaster occurs, and I will also use it for a backup tool.

Network Load Balancing (NLB) distributes traffic across multiple servers, it can do so by using TCP/IP networking protocol. With it being on multiple computers at once the applications turn into a single virtual cluster. NLB helps with reliability and performance for the network and other servers. NLB have benefits like, Protecting applications from oncoming threats, You must have authenticated user access, it protects against DDoS attacks, and you can easily add on additional servers. You can also simplify business continuity like, for disaster recovery NLB can detect outages and send unknown users to an alternate site. I would use NLB to help with the performance and protection of my computer. With NLB protecting my computer from oncoming threats and having to have authorization it helps prevent attacks from hackers or viruses.

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