I am the CEO of Alphatech, which is a small company that makes techno-widgets. Our existing computer systems need to be replaced, and I would like you to design and implement our new network.

Our main office and manufacturing plant is in Baltimore, but we have smaller offices and plants in Hagerstown and Annapolis. Each location has a number of workstations used for clerical work as well as to control portions of the manufacturing process. Each of these three sites needs to be able work collaboratively on various projects.

We also have a public face. Much of the market for techno-widgets is driven by internet advertising, so we need web presence. In the future, we plan to create a full e-commerce site, but for right now we merely use the web site to describe our product line. We also want to be able to provide additional information about future product releases to our largest customers. However, we do not want this information to be released to the general public.

Finally, we also need to be able to support our customers by providing technical information and support for our techno-widgets. This information needs to be easily updated by our employees in each of our three office locations. Again, our largest customers will have access to more detailed schematics and plans, but these should not be available to the general public.

I need you and your team to develop a safe and secure architecture that will allow us to complete our business plan. I need to basic schematics on how you plan to proceed by April 13, and everything needs to be implemented and running by the beginning of class on April 20. At that time, you will also present me with a report that describes in detail the design decisions that you have made, together with all of the necessary access information.
I am the CEO of NachiSystems, which is a small company that makes techno-widgets. Our existing computer systems need to be replaced, and I would like you to design and implement our new network.

Our main office and manufacturing plant is in Baltimore, but we have smaller offices and plants in Hagerstown and Annapolis. Each location has a number of workstations used for clerical work as well as to control portions of the manufacturing process. Each of these three sites needs to be able to work collaboratively on various projects.

We also have a public face. Much of the market for techno-widgets is driven by internet advertising, so we need web presence. In the future, we plan to create a full e-commerce site, but for right now we merely use the web site to describe our product line. We also want to be able to provide additional information about future product releases to our largest customers. However, we do not want this information to be released to the general public.

Finally, we also need to be able to support our customers by providing technical information and support for our techno-widgets. This information needs to be easily updated by our employees in each of our three office locations. Again, our largest customers will have access to more detailed schematics and plans, but these should not be available to the general public.

I need you and your team to develop a safe and secure architecture that will allow us to complete our business plan. I need to basic schematics on how you plan to proceed by April 13, and everything needs to be implemented and running by the beginning of class on April 20. At that time, you will also present me with a report that describes in detail the design decisions that you have made, together with all of the necessary access information.
I am the CEO of ApolloNet, which is a small company that makes techno-widgets. Our existing computer systems need to be replaced, and I would like you to design and implement our new network.

Our main office and manufacturing plant is in Baltimore, but we have smaller offices and plants in Hagerstown and Annapolis. Each location has a number of workstations used for clerical work as well as to control portions of the manufacturing process. Each of these three sites needs to be able work collaboratively on various projects.

We also have a public face. Much of the market for techno-widgets is driven by internet advertising, so we need web presence. In the future, we plan to create a full e-commerce site, but for right now we merely use the web site to describe our product line. We also want to be able to provide additional information about future product releases to our largest customers. However, we do not want this information to be released to the general public.

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I need you and your team to develop a safe and secure architecture that will allow us to complete our business plan. I need to basic schematics on how you plan to proceed by April 13, and everything needs to be implemented and running by the beginning of class on April 20. At that time, you will also present me with a report that describes in detail the design decisions that you have made, together with all of the necessary access information.
Team Exercise #4

Network Design

Due Date: April 20

I am the CEO of Dymotech, which is a small company that makes techno-widgets. Our existing computer systems need to be replaced, and I would like you to design and implement our new network.

Our main office and manufacturing plant is in Baltimore, but we have smaller offices and plants in Hagerstown and Annapolis. Each location has a number of workstations used for clerical work as well as to control portions of the manufacturing process. Each of these three sites needs to be able to work collaboratively on various projects.

We also have a public face. Much of the market for techno-widgets is driven by internet advertising, so we need web presence. In the future, we plan to create a full e-commerce site, but for right now we merely use the web site to describe our product line. We also want to be able to provide additional information about future product releases to our largest customers. However, we do not want this information to be released to the general public.

Finally, we also need to be able to support our customers by providing technical information and support for our techno-widgets. This information needs to be easily updated by our employees in each of our three office locations. Again, our largest customers will have access to more detailed schematics and plans, but these should not be available to the general public.

I need you and your team to develop a safe and secure architecture that will allow us to complete our business plan. I need to basic schematics on how you plan to proceed by April 13, and everything needs to be implemented and running by the beginning of class on April 20. At that time, you will also present me with a report that describes in detail the design decisions that you have made, together with all of the necessary access information.