

ASSIGNMENT 2

NAME: ANSHUL GARG

NETID: AG6516

Answer 1)

- Describe your target building

My target building: 60 5th Avenue, The Forbes Building in Manhattan. This building has 8 floors occupied by different colleges and departments of NYU. It also, holds many lectures and events for many courses awarded all around NYU. It not only has administrative occupancy but also, the students' access. Among those are Centre for data science, Courant school, NYU Media and Stern school.

- What security controls are in place that would stop an attacker from entering the building?

The building operates with 2 main gates and 1 guard at the center. There are 4 security booths and 1 glass gate with lesser security. One of the gates is revolving gate, and the other is the emergency exit gate operated by an electric button, both the gates are available to use on weekdays for 24 hours and locked on the weekends. When gate is not accessible or can't be, the support is there at the electric gate, with entering by tapping on reader outside for extra security. Also, there are 4 security cameras installed outside the building and 3 inside, at the entrance, and even after entering there are 3 ways to enter the building which are monitored all time by the CCTV surveillance.

- What security controls are in place that would detect an attacker's entry into the building?

If the attacker is using someone else's ID, then it will be detected on guard's PC, who will be able to show him the exit. Moreover, guard will also be able to alarm the attacker if he/she/they find something suspicious or is not in a condition to enter. The security gates are always there to detect if the ID presented is authentic or not, alarming the guard. Nonetheless, anything suspicious can be detected outside the premises from the CCTV camera placed outside.

Create an attack tree with at least 10 nodes that describes how you could access the building if you were not authorized to do so.

