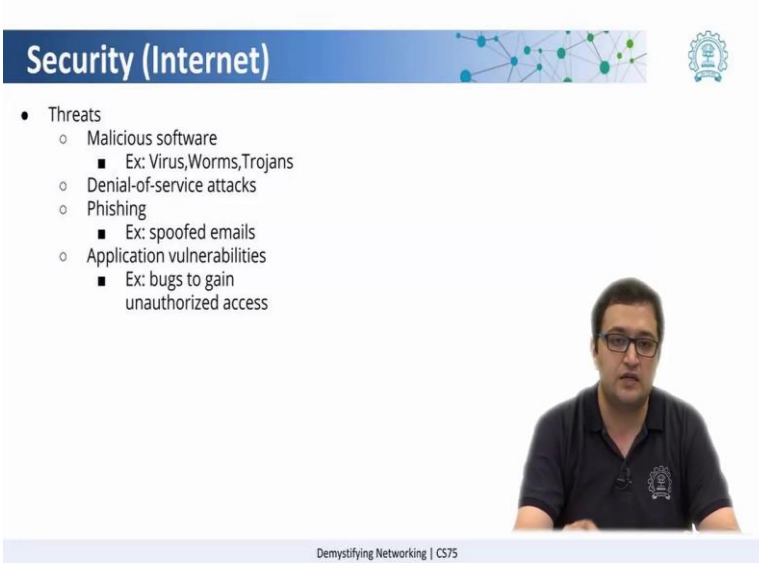**Demystifying networking**
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Lecture - 80
Internet Security

Now, let us look more towards the threats that are there on the internet or what we will look in the Internet Security part of it.

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The threats are in the terms of say malicious software, where, for example, you have downloaded a free software from the internet and along with the software there was a small malicious code which on installation gives access of your system, without any authentication, to some other person who has uploaded that software. Some other malicious software are viruses and worms and trojans and lot many examples. Then we have something called denial-of-service attacks.

So, denial-of-service attack is, I am say running a application which will take up all the resources of your server and nobody will be able to access that server and the function of that server will not be available to the people who are trying to use it. Then we have something called phishing attacks. So, these days it has become not common through phishing emails and messages when say an email which claims to be from the bank asks you for your passwords and pins and though it looks like the banks communication but it

is from a malicious id or say a malicious person is sending those emails and if you happen to have answered those or say clicked on the links, they could have executed some code or the information that you entered has been sent to the malicious person.

Then the fourth point or the fourth threaT that we have is something called application vulnerabilities. Now applications sometimes develop or have some bugs and these bugs can sometimes be used to gain unauthorized access but all the companies that make these applications are always trying to find those and fix those and all those fixes come in terms of updates.

So, if you are not updating your applications very frequently, you might be prone to certain vulnerabilities and these vulnerabilities could be used to gain access to your system.