Answer:

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| --- | --- | --- | --- | --- |
| Threat categories | Control | Description | Classification | Type |
| Accidental corruption of information | Proper shutdown the system | To protect the accidental corruption of information we should proper shutdown the system. | administrative | Prevent |
| Secure your wireless router | Protect the wireless router using the proper secure password. | administrative | prevent |
| Mask the data | We can mask the data by the masking techniques. The another name of data masking is data obsfucation. | administrative | prevent |
| Loss of intellectual property | Secure the system | To prevent the intellectual property from the system we can protect it by using the some hashing and password techniques. | administrative | Prevent |
| Improve employee awareness | We can improve the employee awareness, it means give proper training to security of property | administrative | Prevent/detect |
| Identify IP and give access to the right people | We will identify our IP and will protect it from the unauthorized access. | administrative | Protect/prevent |
| Software piracy | Beef-up software license agreement | We should always prioritize our license agreement | Administrative | Prevent |
| Include the evidence gathering technology | We will embed the technology in the software which will collect the information regarding registration and login, trial version. | administrative | Prevent/detect |
| Our policing effort should be timely | Statutes of limitations may prevent you from recovering for unauthorized use if a few years have passed since the incident occurred, especially if you knew of the incident and did not act. | administrative | prevent |
| Theft of information (hacker) | Don’t download any software | We should try to avoid the downloading from the any suspicious websites. | administartive | Prevent |
| Use anti-virus | We should any anti-virus which is provided by the any company | product | prevent |
| Update os and software | We should regular update the os and softwares | Administrative | prevent |
| Website defacement | WebOrion | It provides the visual change, content and integrity monitoring. | Product | Detect |
| Monitis | Cloud based monitoring platform offers blacklist and defacement monitioring | product | detect |
| IPVtec | It is also cloud based and proactively search the anomalies | product | Prevent/detect |
| Theft of equipment | Use hidden places | We should search the hidden and protective places to keep the equipments | Administrative | Physical |
| Use the lock system | We should try to keep the equipment in lock. | physical | prevent |
| theftguard | We should use the theftguard to protect the equipment | administrative | prevent |
| Viruses, worms, Trojan horses | antivirus | We should use the antivirus which will protect from the malicious programs | product | Prevent |
| Pop-up scripts | We will use the pop-up scripts which protect the application. | product | Detect/prevent |
| update os and softwares | We should update our os and softwares from regular interval | protect | prevent |
| Elevation of privilege | Tamper-Proofing Cookies | if you want to send data back to the client-side and be sure it hasn’t been tampered with when it returns, you need to digitally sign the data. | Administrative | Prevent |
| Keep critical information on the server side | We will keep the important data on the sever side and will only send the session ID’s | Administrative | prevent |
| Use digital keys | For the access to the any information we will provide the digital signature keys. | administrative | prevent |
| Fire/Flood | Robust, high quality firewalls | We should uses the high quality firewalls to protect the records. | Product | prevent |
| Keep the data in cloud | This is the best to protect the data form any kind of natural calamity | product | prevent |
| use external drive | Store the data in the external drive | product | prevent |

Reference:

1)<https://www.howtogeek.com/71635/how-to-protect-your-data-from-a-hurricane-flood-or-natural-disaster/>

2)<https://searchsecurity.techtarget.com/answer/Prevent-a-privilege-escalation-attack-with-database-security-policy>

3)<https://www.techrepublic.com/article/protect-your-network-against-elevation-of-privilege-attacks/>

4) <https://www.cleverism.com/complete-guide-data-security/>