CYBER SECURITY IN 5G

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Extended Abstract

As we step into the new and modified era of 5G, one of the biggest drawbacks is the inherent vulnerability it possess. The 5G enables one to share information at faster and quicker rate. The idea of the abstract is to broaden the horizon of cyber security in 5G. The challenging tasks are a flexible infrastructure which is required to deal with security and privacy issues. As internet of thing increases with 5G technology, the interaction of relationship between humans and machines are getting smarter. The machines starts to handle more human tasks and humans are required to trust the machine and feel safe. As the resources for IoT system are limited of network guard, there is an unsafe zone. Further when the system is integrated with artificial intelligence such as "robo callers" which can mimic the close members of family and friends, large scale of security attacks will occur in mobile network. It aims at looking into the various possibilities to provide cyber security when 5G is used as main mode of connectivity. The vision is to use the already existing cyber security aspects in 4G and alter or modify these to create the best possible version to provide protection and security of information when using 5G to transfer data of any sort. The idea is to use 5G as a mode of communication at offices that operate on data transferring, sharing information, collecting data and storing data.

References

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