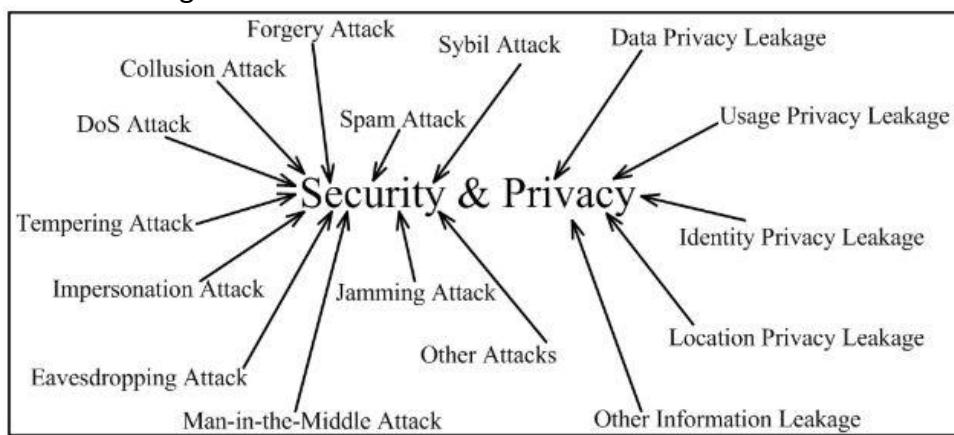


UiO / IFI / PUT
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Questions on Security Issues

1. Compared with cloud computing, fog computing has five distinguished features. What are these?
2. There are several fog assisted IoT smart-city applications. Mention two of them.
3. Why is cloud computing vulnerable to be hacked by external attackers?
4. Fog computing is considered to be a more secure architecture than cloud computing. Say why this is so.
5. Fog computing cannot be deemed to be secure, since it still inherits various security risks from cloud computing. What are these in general?
6. An attacker may launch several attacks to disrupt the fog computing. What are these attacks?
7. Explain (shortly) which one of the possible attacks to fog computing are (forgery, etc.).
8. Privacy is a critical issue in fog computing as the users' sensitive data is involved in the collection, transmission, processing and sharing. What are the 4 aspects that a user's privacy may include?
9. For each privacy aspect mentioned in the previous answer, explain (shortly) what each one is about.
10. The security threats of fog computing are show in the figure below (also shown in slide 24). Describe the figure.



11. Is fog computing vulnerable to sybil attacks? What would an attacker perpetrating a sybil attack do? Give an example of such an attack.
12. In different applications, the data from the same event has distinct security levels for different users. Give an example.