Secret key exchange (Diffie-Hellman)

I – Communication practice

Individually, prepare a short answer for each question below

1. Since its first publication, what can the Diffie-Hellman key exchange be now considered as?

2. Why can the Diffie-Hellman key exchange be considered as misnamed?

3. What is the typical network topology to explain the principles of the Diffie-Hellman key exchange?

4. What are the mathematical parameters that Alice and Bob have to agree to?

5. How is the generator g mimicked in the video?

6. After sharing the mathematical parameters g and n, what do Alice and Bob need to do?

7. What is the interest of combining the generator g with the private parameters to produce public ones?

8. In the video, how are the combinations of the generator and the private parameters mimiked?

9. Once these public keys are ready, what is the procedure that Alice and Bob have to follow?

10. Once Alice and Bob have exchanged their public parameters, what do they have to do?