ACTIVIDAD DE FIRMA PDF

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Codigo: 2267209-2724

1. importación de la clave publica:

```
(kali@ kali)-[~]
$ gpg — import clase26-04-25.asc
gpg: key 6F3C993ED29EFF0D: public key "jorge_mesa (privado) <jorge.mesa@correounivalle.edulco>" imported
gpg: Total number processed: 1
gpg: imported: 1
```

Lista de claves:

```
—(kali⊕kali)-[~]
$ gpg --list-keys
/home/kali/.gnupg/pubring.kbx
pub
      rsa3072 2025-04-05 [SC] [expires: 2028-04-04]
      8AF99C8D9991CC501FE73667ECF8298F7878D875
              [ultimate] juan_restrepo <eljunsyt888@gmail.com>
uid
      rsa3072 2025-04-05 [E] [expires: 2028-04-04]
sub
      rsa3072 2025-04-05 [SC]
      DBE33AE937CB425AD8B68055D19A7165E9FB3112
              [ultimate] juanr (laboratorio) <eljunsyt888@gmail.com>
uid
      rsa3072 2025-04-05 [E]
sub
pub
      rsa3072 2025-04-05 [SC] [expires: 2028-04-04]
      40794FB39764738782CA841F60D17095A78B8971
              [ultimate] valeria <lopezingrid600@gmail.com>
uid
      rsa3072 2025-04-05 [E] [expires: 2028-04-04]
sub
      rsa3072 2025-04-05 [SC]
pub
      2BE28FF6312FB4FAA1C044D4B6FA63FE9FDD51D4
uid
              [ultimate] valeria (practica) <lopezingrid600@gmail.com>
sub
      rsa3072 2025-04-05 [E]
      rsa3072 2025-04-05 [SC]
pub
      F5DCD4F48CC43FEE1A486E0BB37176F052496D69
uid
              [ unknown] cristian (prueba) <crsan256@gmail.com>
      rsa3072 2025-04-05 [E]
pub
      rsa3072 2025-04-12 [SC]
      9664EC35EF15D360029763160E32258F11B17740
              [ultimate] juanR (firma) <eljunsyt888@gmail.com>
uid
sub
      rsa3072 2025-04-12 [E]
pub
      rsa3072 2025-04-12 [SC]
      E254DAF27951C2DE3204CEE8D187D87E2710A6A0
              [ unknown] ingridlopez (firma) <lopezingrid600@gmail.com>
uid
sub
      rsa3072 2025-04-12 [E]
pub
      rsa3072 2025-04-26 [SC] [expires: 2025-05-03]
      FD79536C274B42BB53B868496F3C993ED29EFF0D
      [ unknown] jorge_mesa (privado) <jorge.mesa@correounivalle.edulco>rsa3072 2025-04-26 [E] [expires: 2025-05-03]
uid
sub
```

2. Verificación del PDF correcto:

```
(kali® kali)-[~]
$ gpg --verify confidencial.sig "DOCUMENTO CONFIDENCIAL.pdf"
gpg: Signature made Sat 26 Apr 2025 01:17:30 PM EDT
gpg: using RSA key FD79536C274B42BB53B868496F3C993ED29EFF0D
gpg: issuer "jorge.mesa@correounivalle.edulco"
gpg: Good signature from "jorge_mesa (privado) <jorge.mesa@correounivalle.edulco>" [unknown]
gpg: WARNING: This key is not certified with a trusted signature!
gpg: There is no indication that the signature belongs to the owner.
Primary key fingerprint: FD79 536C 274B 42BB 53B8 6849 6F3C 993E D29E FF0D
```

3. PDF alterado:

Porque el archivo DOC CONFIDENCIAL.pdf fue alterado tras haber sido firmado, y cualquier modificación en su contenido provoca que la firma digital deje de ser válida respecto al documento original.

4. PDF Firmado: