LibreOffice Digital Signatures

Test Case Subjects: Writer, Draw
File Type: odt, pdf

Date: 2025-06-18

OS: Fedora Linux 42 (Workstation Edition)
LO: Version: 25.2.4.3 (X86_64)

Build ID: 520(Build:3)

CPU threads: 8; OS: Linux 6.14; UI render: default; VCL: gtk3

Locale: ro-RO (en_US.UTF-8); UI: en-US

Calc: threaded

Root CA ⇨ https://pki.dacbarbos.eu/ca.crt

Signing certificate details:

```
Certificate:
    Data:
        Version: 3 (0x2)
        Serial Number: 2053957568976862473 (0x1c811f86d2973d09)
        Signature Algorithm: sha256WithRSAEncryption
        Issuer: C=RO, O=DACBARBOS Brand, CN=DACBARBOS PKI CA
        Validity
            Not Before: Jun 17 00:00:00 2025 GMT
            Not After : Jun 16 23:59:59 2030 GMT
        Subject: C=RO, O=DACBARBOS Brand, OU=CISO, CN=DACBARBOS PKI SA,
emailAddress=contact@dacbarbos.eu
        Subject Public Key Info:
            Public Key Algorithm: rsaEncryption
                Public-Key: (4096 bit)
                Modulus:
                    00:d4:b1:5d:c3:2d:f0:6a:32:86:c0:42:4f:56:c5:
                    a4:05:77:ce:c1:40:07:ab:df:f7:20:43:5c:28:2e:
                    a6:cd:69:90:d9:14:a4:9a:7b:89:73:e4:ab:99:6a:
                    fa:f0:70:54:89:4b:83:56:7c:0b:93:22:e2:32:ab:
                    2e:02:a5:7d:fb:11:70:6f:6d:70:ed:1e:6f:ba:6d:
                    7b:9d:32:ee:f3:e4:f0:aa:88:90:1e:ce:e8:8e:81:
                    64:f5:91:81:3f:53:08:e6:72:1b:f3:37:27:d3:92:
                    8d:d2:c6:3d:b4:04:a6:6a:25:51:1a:0c:83:80:2b:
                    b8:31:45:08:07:92:35:69:2e:75:ff:ff:95:d1:e1:
                    e1:0f:e2:0c:41:e2:27:8c:c7:fa:ed:29:bf:e4:f4:
                    e1:d0:aa:b7:04:80:d3:3c:92:c1:b0:70:68:49:95:
                    27:92:09:4b:15:db:7b:30:59:30:6f:ef:98:59:18:
                    85:50:b3:9a:a4:8a:36:5b:42:b6:c4:c7:de:cf:27:
                    14:8c:08:6c:89:b4:27:a5:41:e0:bd:20:95:2e:96:
                    80:d9:ea:70:56:d3:6a:2f:67:4c:4a:68:29:1a:38:
```

```
                    4a:a8:35:e6:11:97:4e:5c:cc:85:83:a3:ab:ac:91:
                    4b:2b:ac:c0:89:ca:a1:97:af:97:eb:11:e0:2f:1a:
                    f4:9e:1c:61:51:f9:9a:01:9e:da:9d:0e:76:94:aa:
                    dd:67:60:cb:98:c2:68:fa:b6:e1:9c:a4:11:3f:d3:
                    e1:c8:6c:d2:d7:b9:7c:0d:8d:1c:cd:e9:c1:14:41:
                    c7:93:61:89:ea:3c:18:46:eb:ca:14:35:17:a1:56:
                    74:61:d5:bc:2d:3e:9e:46:07:31:e1:f2:0f:a8:d3:
                    38:bb:9d:4a:42:61:e8:e6:25:f1:5b:e0:2e:29:e2:
                    45:d0:9b:99:2e:7c:59:46:c4:ea:57:81:55:a0:bd:
                    c5:c1:4b:79:e1:8c:9d:51:e5:e9:94:16:6c:01:d3:
                    5a:d6:7f:e8:15:06:2b:8c:a2:6e:08:52:b1:46:4a:
                    29:ef:d4:0d:a7:e3:0c:ae:c7:5a:2f:0a:b4:37:46:
                    b3:1b:47:1a:55:90:10:58:51:be:16:77:80:1e:3b:
                    02:ae:86:c7:89:cc:92:0b:fb:93:fa:ed:39:0d:61:
                    b3:9c:33:a4:ad:c5:50:fc:05:f2:3d:85:1e:f2:b5:
                    56:9b:23:34:29:0d:e1:d4:2a:02:7b:3c:fa:3b:1b:
                    82:53:90:0b:c9:8b:a7:69:5c:8d:d3:9b:3d:18:8a:
                    0a:05:e7:3e:06:d0:fb:71:a3:eb:c9:c1:f5:ba:e2:
                    a9:2e:11:ba:37:7a:13:1c:8c:3f:2f:1e:76:69:37:
                    77:fb:eb
                Exponent: 65537 (0x10001)
        X509v3 extensions:
            X509v3 Basic Constraints: critical
                CA:FALSE
            X509v3 Subject Key Identifier:
                63:09:D7:B8:6A:DE:5E:4F:DC:F1:23:A9:53:C1:0D:AD:6C:DD:D9:0F
            X509v3 Authority Key Identifier:
                98:1D:30:B3:10:5F:DB:8C:75:1D:01:AF:E7:F1:8B:F8:D0:F5:7D:25
            X509v3 Key Usage: critical
                Digital Signature
            X509v3 Extended Key Usage:
                Code Signing, Time Stamping, 1.2.840.113583.1.1.5,
1.3.6.1.4.1.311.10.3.12
    Signature Algorithm: sha256WithRSAEncryption
    Signature Value:
        6f:40:40:23:d1:d0:94:84:6a:9d:54:51:06:51:eb:64:3e:31:
        3a:e1:c0:54:c2:7b:6b:ab:50:b7:6a:d6:92:a8:a2:86:a3:61:
        c8:b2:e3:1d:3c:5e:25:4b:ac:84:64:12:1b:88:39:5e:c8:71:
        bd:e3:f9:29:d1:39:03:53:54:52:3b:50:d2:a0:2a:af:d4:e6:
        9a:9b:34:8e:35:3b:ca:88:94:15:bc:ae:5b:bb:92:82:55:35:
        6e:ff:dc:26:04:0f:5d:40:66:56:f1:71:80:69:b5:00:db:84:
        b6:a5:f2:33:cf:11:24:e0:2c:fa:c6:48:5c:8c:bf:90:46:39:
        fc:82:5b:7f:2a:1c:a0:4c:7e:29:ca:f0:fb:14:81:0f:a9:25:
        7f:77:50:2f:9c:0b:05:5b:50:22:1f:85:a4:de:83:f4:c3:6e:
        ea:4f:76:f4:2d:1c:10:93:13:1a:64:2b:76:53:27:e8:ae:74:
        9f:f1:76:f8:94:4a:ec:65:a4:a7:05:c7:c2:3a:b9:72:bd:77:
        7e:45:cd:02:2a:76:3f:03:14:71:d8:4e:87:da:ce:b0:91:20:
        69:8f:03:68:36:18:44:fa:a1:32:19:44:59:14:2e:c3:01:28:
        c1:36:da:9f:c8:a8:65:f4:06:ba:8a:f6:85:df:94:34:02:49:
        f6:8a:da:70:97:95:f3:3a:18:29:0d:b1:8c:79:2e:d1:d9:68:
        51:b7:04:8d:ce:db:08:93:d8:99:3d:f1:6d:e1:c0:88:69:3d:
        bf:99:bf:84:b7:d8:98:06:aa:c7:f1:06:12:bd:51:aa:2e:0e:
        13:78:8e:36:f3:9a:e2:e5:f8:90:3f:1b:22:52:ce:d6:8e:4d:
        b4:e8:1b:76:72:54:65:e6:f3:96:6b:b9:e0:cb:16:44:d3:b2:
        f3:aa:fc:e7:3c:94:60:74:f6:47:ae:9e:a2:47:39:eb:6c:01:
        b5:e6:55:8a:05:fa:1f:d1:6c:01:53:70:03:97:33:f5:5f:11:
        ec:28:4b:33:39:64:42:f0:94:0f:f2:c9:9d:9b:d9:fa:d8:2a:
        77:d0:ef:7c:60:29:3f:6a:15:42:68:56:ee:57:a8:43:12:ca:
        4d:fb:91:25:87:c1:52:50:e2:89:a5:81:d6:77:95:ec:c5:b9:
        dd:e1:13:bf:91:10:47:c8:d5:3c:4e:a1:7d:13:1d:48:9f:cd:
        22:ee:09:64:78:80:5b:a5:f3:30:b3:02:b5:a9:62:f8:05:37:
        d4:27:76:60:61:51:64:67:a7:ba:4f:77:58:a7:f4:79:12:c3:
        41:d6:e6:06:ee:78:09:7e:f1:24:1b:0c:d3:30:1e:bc:87:ff:
        fa:b0:99:77:42:57:c9:44
```

```
-----BEGIN CERTIFICATE-----
MIIF0jCCA7qgAwIBAgIIHIEfhtKXPQkwDQYJKoZIhvcNAQELBQAwQjELMAkGA1UE
BhMCUk8xGDAWBgNVBAoTD0RBQ0JBUkJPUyBCcmFuZDEZMBcGA1UEAxMQREFFDQkFS
Qk9TIFBLSSBDQTAeFw0yNTA2MTcwMDAwMDBaFw0zMDA2MTYyMzU5NTlaMHYxCzAJ
BgNVBAYTAlJPMRgwFgYDVQQKEw9EQUNCQVJJT1MgQnJhbmQxDTALBgNVBAsTBENJ
U08xGTAXBgNVBAMTEERBQ0JBUkJPUyBQS0kgU0ExIzAhBgkqhkiG9w0BCQEWFGNv
bnRhY3RAZGFjYmFyYm9zLmV1MIICIjANBgkqhkiG9w0BAQEFAAOCAg8AMIICCgKC
AgEA1LFdwy3wajKGwEJPVsWkBXfOwUAHq9/3IENcKC6mzWmQ2RSkmnuJc+SrmWr6
8HBUiUuDVnwLkyLiMqsuAqV9+xFwb21w7R5vum17nTLu8+TwqoiQHs7ojoFk9ZGB
P1MI5nIb8zcn05KN0sY9tASmaiVRGgyDgCu4MUUIB5I1aS51//+V0eHhD+IMQeIn
jMf67Sm/5PTh0Kq3BIDTPJLBsHBoSZUnkglLFdt7MFkwb++YWRiFULOapIo2W0K2
xMfezycUjAhsibQnpUHgvSCVLpaA2epwVtNqL2dMSmgpGjhKqDXmEZdOXMyFg6Or
rJFLK6zAicqhl6+X6xHgLxr0nhxhUfmaAZ7anQ52lKrdZ2DLmMJo+rbhnKQRP9Ph
yGzS17l8DY0czenBFEHHk2GJ6jwYRuvKFDUXoVZ0YdW8LT6eRgcx4fIPqNM4u51K
QmHo5iXxW+AuKeJF0JuZLnxZRsTqV4FVoL3FwUt54YydUeXplBZsAdNa1n/oFQYr
jKJuCFKxRkop79QNp+MMrsdaLwq0N0azG0caVZAQWFG+FneAHjsCrobHicySC/uT
+u05DWGznDOkrcVQ/AXyPYUe8rVWmyM0KQ3h1CoCezz6OxuCU5ALyYunaVyN05s9
GIoKBec+BtD7caPrycH1uuKpLhG6N3oTHIw/Lx52aTd3++sCAwEAAaOBlzCBlDAM
BgNVHRMBAf8EAjAAMB0GA1UdDgQWBBRjCde4at5eT9zxI6lTwQ2tbN3ZDzAfBgNV
HSMEGDAWgBSYHTCzEF/bjHUdAa/n8Yv40PV9JTAOBgNVHQ8BAf8EBAMCB4AwNAYD
VR0lBC0wKwYIKwYBBQUHAwMGCCsGAQUFBwMIBgkqhkiG9y8BAQUGCisGAQQBgjcK
AwwwDQYJKoZIhvcNAQELBQADggIBAG9AQCPR0JSEap1UUQZR62Q+MTrhwFTCe2ur
ULdq1pKoooajYciy4x08XiVLrIRkEhuIOV7Icb3j+SnROQNTVFI7UNKgKq/U5pqb
NI41O8qIlBW8rlu7koJVNW7/3CYED11AZlbxcYBptQDbhLal8jPPESTgLPrGSFyM
v5BGOfyCW38qHKBMfinK8PsUgQ+pJX93UC+cCwVbUCIfhaTeg/TDbupPdvQtHBCT
ExpkK3ZTJ+iudJ/xdviUSuxlpKcFx8I6uXK9d35FzQIqdj8DFHHYTofazrCRIGmP
A2g2GET6oTIZRFkULsMBKME22p/IqGX0BrqK9oXflDQCSfaK2nCXlfM6GCkNsYx5
LtHZaFG3BI3O2wiT2Jk98W3hwIhpPb+Zv4S32JgGqsfxBhK9UaouDhN4jjbzmuLl
+JA/GyJSztaOTbToG3ZyVGXm85ZrueDLFkTTsvOq/Oc8lGB09keunqJHOetsAbXm
VYoF+h/RbAFTcAOXM/VfEewoSzM5ZELwlA/yyZ2b2frYKnfQ73xgKT9qFUJoVu5X
qEMSyk37kSWHwVJQ4omlgdZ3lezFud3hE7+REEfI1TxOoX0THUifzSLuCWR4gFul
8zCzArWpYvgFN9QndmBhUWRnp7pPd1in9HkSw0HW5gbueAl+8SQbDNMwHryH//qw
mXdCV8lE
-----END CERTIFICATE-----
```

dacbarbos-pki-sa.pem

Test Case Results

- Writer (odt) ✅ OK
- Draw (pdf) ☒ NOK

LO Help page

https://help.libreoffice.org/latest/he/text/shared/guide/digital_signatures.html

Steps to reproduce

1. Open Writer app, edit a sample document and save it.
2. Sign the saved odt document (File → Digital Signatures → Digital Signatures...)
3. File → Export as → Export as PDF...
4. File → Digital Signatures → Sign Existing PDF...

The whole process is straight forward (simple and intuitive). Draw will open up the PDF file in read-only mode, awaiting user's action. Upon selecting the certificate as usual then pressing the Sign button (within the Select Certificate dialog), nothing happenes: no warnings or errors. Nada!