

Polycom

Polycom SIP TLS with custom CA

The config files below show how to add a custom CA certificate (customCaCert1) to a Polycom phone for use with SIP TLS registration.

file: ca.cfg

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<!-- PlcmConversionCreatedFile version=1.2 converted=Mon Feb  3 15:31:47 2014 -->
<!-- $Polycom Revision: 1.67 $ $Date: 2005/03/11 17:05:46 $ -->
<!-- certificate below is the Skyhawk CA 2020 public root certificate -->
<polycomConfig xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="polycomConfig.xsd">
    <device.sec.TLS device.set="1"
        device.sec.TLS.customCaCert1="-----BEGIN CERTIFICATE-----
MIIDQzCCAiugAwIBAgIJALTiZl8d4AGkMA0GCSqGSIb3DQEBCwUAMBoxGDAWBgNV
BAMMD1NreWhhd2sgQ0EgMjAyMDAgFw0yMDAzMjAwMTI2MzNaGA8yMDcwMDMwODAx
MjYzM1owGjEYMBYGA1UEAwwPU2t5aGF3ayBDQSAyMDIwMIIBIjANBgkqhkiG9w0B
AQEFAAOCAQ8AMIIBCgKCAQEApLKHp7M3V04ZGChc0lvaq8I/J0yK7L0/a/naoKp
Q3aP32V8vyK3vZFFeHbnyiWcAjwSBXP0dy2qZcEP5ukXYW8qDl3VB4nb1K/uJk/
U8pEsfKJJ1s/YEvNIoRdnrr2Ewa4oLH0Ec9G+mxFAsmw3i1T2wrqnaIiBv8VJpA
muJtHdzFySzqxd8Wox7WkVxC2l/PUooB1XiUIK9W0oBRE00z03vILxf7ZGnCjbGd
C1PRVWmTr6PqPhd/Ern47NLmMchJCLTEweYweYtw843qfR1WN/wn8ftNrruOPoAA
b0S0F0M4Zm/yTT4qb3n8CX7T9EZg7mA6tjYqvPKsp7rGrQIDAQABo4GJMIGGMB0G
A1UdDgQWBBTWRFxu293dJmwS0RXun/U7teQDrDBKBgNVHSMEQzBBgBTWRFxu293d
JmwS0RXun/U7teQDrKEepBwwGjEYMBYGA1UEAwwPU2t5aGF3ayBDQSAyMDIwggkA
tMj0Xx3gAaQwDAYDVR0TBAlUwAwEB/zALBgNVHQ8EBAMCAQYwDQYJKoZIhvcNAQEL
BQADggEBAGSw0k7FKJyEcrLh4SX0nS6oLYKYM1u+uymX65Ur3WwJC6+TLBNy6joy
0786NwCZ8Cb7fd0eYC5n89Zb7rNuCGj89N5fHhgjCxJo5mbgcTYLWLE3zp8+rfhC
Q0iKK29dy9qTNTwBiBhmLZWhIJc2W+sPtANqvSGLoIbsTEp6Ktpw77B5mkaLkh09
eAf/yY7CDgDLihYQ8J2FsCeyw2jVAQZXZLHBNnkCHytAKtZqQC/tbe7aPIpAImZn
G5CJ0uKvh0jWckrFWMxMBtgB5pUoAvG/6UTyqU+N4eLULVmg4wvi+bf4+gR2aN7p
UGD4YP6SHFz4LsoXH10YZd1znXalanI=
-----END CERTIFICATE-----">
```

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    <device.sec.TLS.customCaCert1
        device.sec.TLS.customCaCert1.set="1">
    </device.sec.TLS.customCaCert1>
</polycomConfig>

```

file: phone-prefixXXYYY.cfg

```

<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<!-- PlcmConversionCreatedFile version=1.2 converted=Fri Apr 25 12:00:24 2014 -->
<polycomConfig xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="polycomConfig.xsd">
    <msg>
        <msg.mwi msg.mwi.1.callBack="9YYY" msg.mwi.1.callBackMode="contact" />
    </msg>
    <reg reg.1.address="prefixXXYYY" reg.1.displayName="YYY" reg.1.label="YYY"
reg.1.ringType="ringer3" reg.2.ringType="ringer3" reg.3.ringType="ringer3"
reg.4.ringType="ringer3" reg.5.ringType="ringer3" reg.6.ringType="ringer3">
        <reg.1.auth reg.1.auth.password="SuperSecretPassword" reg.1.auth.userId="prefixXXYYY" />
        <reg.1.server reg.1.server.1.address="pbx.url.com" reg.1.server.1.port="5061"
reg.1.server.1.transport="TLS"/>
    </reg>
</polycomConfig>

```

file: [MAC].cfg

```

<?xml version="1.0" standalone="yes"?>
<APPLICATION APP_FILE_PATH="sip.ld" CONFIG_FILES="phone-prefixXXYYY.cfg, sip.local.cfg,
ca.cfg" MISC_FILES="http://pbx.url.com/polycom-checkcfg.cfg" LOG_FILE_DIRECTORY="pcip/"
OVERRIDES_DIRECTORY="pcip/" CONTACTS_DIRECTORY="pcip/" LICENSE_DIRECTORY="license/"
USER_PROFILES_DIRECTORY="pcip/" CALL_LISTS_DIRECTORY="pcip/" COREFILE_DIRECTORY="pcip/">
    <APPLICATION_SPIP300 APP_FILE_PATH_SPIP300="sip_213.ld" CONFIG_FILES_SPIP300="phone-
prefixXXYYY.legacy.cfg, phone1_213.cfg, sip.local-legacy.cfg, sip_213.cfg"/>
    <APPLICATION_SPIP500 APP_FILE_PATH_SPIP500="sip_213.ld" CONFIG_FILES_SPIP500="phone-
prefixXXYYY.legacy.cfg, phone1_213.cfg, sip.local-legacy.cfg, sip_213.cfg"/>
    <APPLICATION_SPIP301 APP_FILE_PATH_SPIP301="sip_318.ld" CONFIG_FILES_SPIP301="phone-
prefixXXYYY.legacy.cfg, phone1_318.cfg, sip.local-legacy.cfg, sip_318.cfg"/>
    <APPLICATION_SPIP320 APP_FILE_PATH_SPIP320="sip_335.ld" CONFIG_FILES_SPIP320=""/>
    <APPLICATION_SPIP330 APP_FILE_PATH_SPIP330="sip_335.ld" CONFIG_FILES_SPIP330=""/>
    <APPLICATION_SPIP430 APP_FILE_PATH_SPIP430="sip_327.ld" CONFIG_FILES_SPIP430="phone-

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prefixXXXXXX.legacy.cfg, phone1_327.cfg, sip.local-legacy.cfg, sip_327.cfg"/>
  <APPLICATION_SPIP501 APP_FILE_PATH_SPIP501="sip_318.ld" CONFIG_FILES_SPIP501="phone-
prefixXXXXXX.legacy.cfg, phone1_318.cfg, sip.local-legacy.cfg, sip_318.cfg"/>
  <APPLICATION_SPIP600 APP_FILE_PATH_SPIP600="sip_318.ld" CONFIG_FILES_SPIP600="phone-
prefixXXXXXX.legacy.cfg, phone1_318.cfg, sip.local-legacy.cfg, sip_318.cfg"/>
  <APPLICATION_SPIP601 APP_FILE_PATH_SPIP601="sip_318.ld" CONFIG_FILES_SPIP601="phone-
prefixXXXXXX.legacy.cfg, phone1_318.cfg, sip.local-legacy.cfg, sip_318.cfg"/>
  <APPLICATION_SPIP670 APP_FILE_PATH_SPIP670="sip_408.ld" CONFIG_FILES_SPIP670=""/>
  <APPLICATION_SSIP4000 APP_FILE_PATH_SSIP4000="sip_318.ld" CONFIG_FILES_SSIP4000="phone-
prefixXXXXXX.legacy.cfg, phone1_318.cfg, sip.local-legacy.cfg, sip_318.cfg"/>
  <APPLICATION_SSIP6000 APP_FILE_PATH_SSIP6000="sip_408.ld" CONFIG_FILES_SSIP6000=""/>
  <APPLICATION_SSIP7000 APP_FILE_PATH_SSIP7000="sip_408.ld" CONFIG_FILES_SSIP7000=""/>
</APPLICATION>
```

References:

- [How can I setup a TLS connection for SIP signaling and / or troubleshoot this?](#)
- [Install custom certificates with config files \(Poly Community Forums\)](#)

Revision #1

Created 23 February 2023 18:09:34 by bluecrow76

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