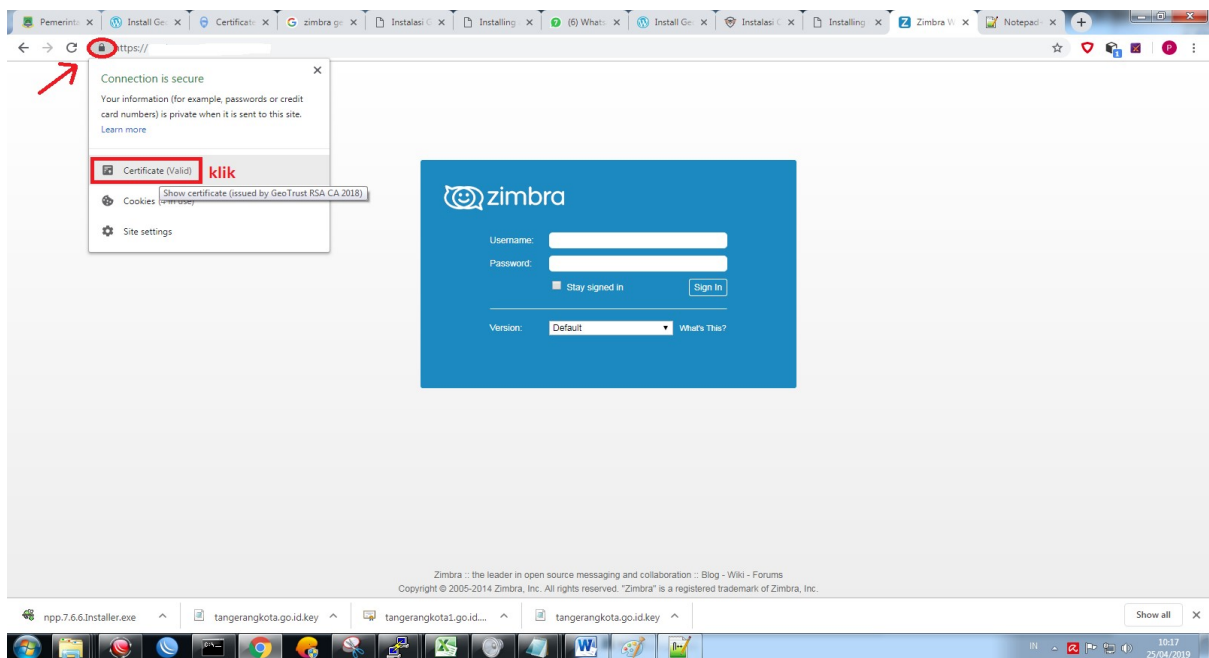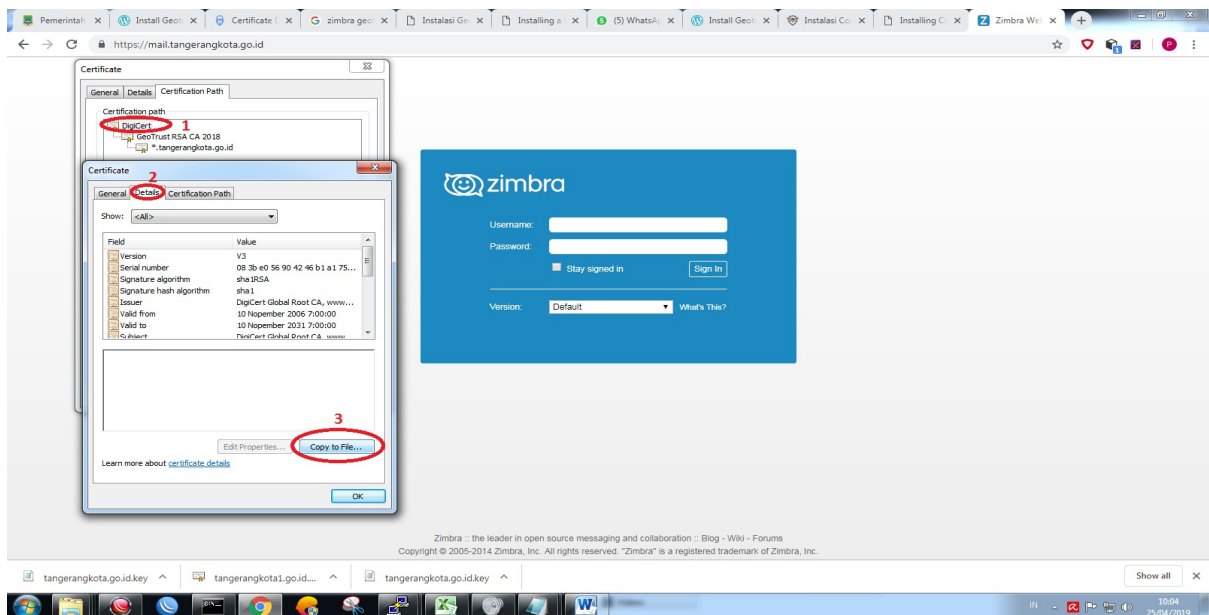# Install Commercial SSL Certificate Zimbra (Geotrust)

Cara mencari root certificate dan intermediate certificate
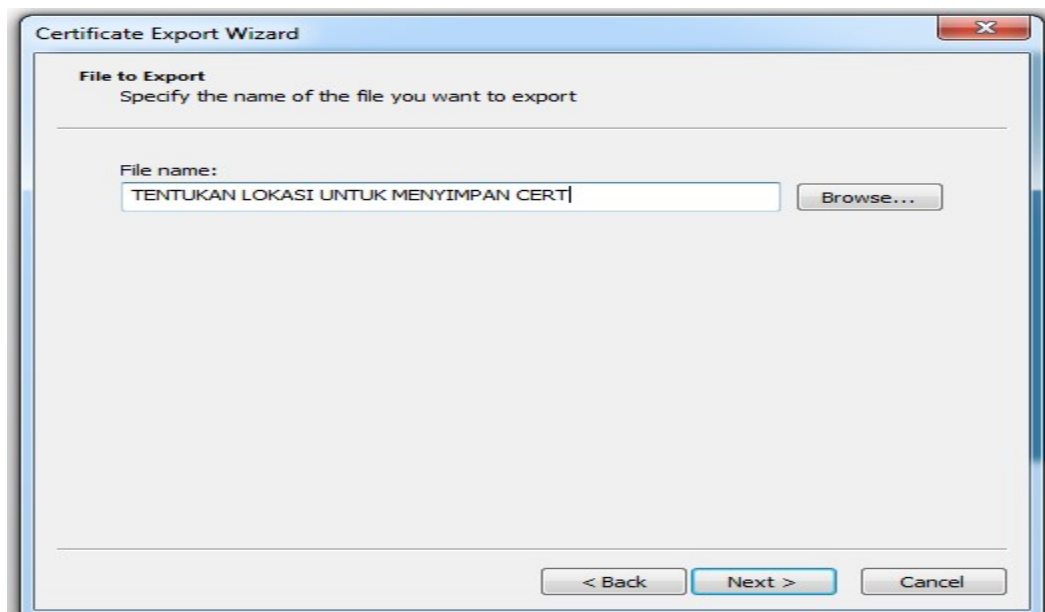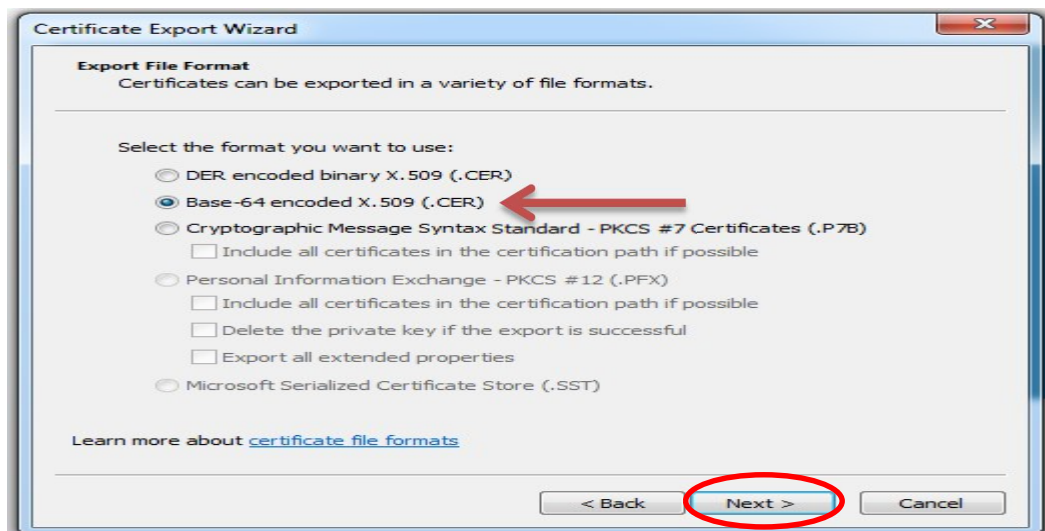
1. Buka url zimbra, lalu cek ssl

2. Lalu pilih "**certification path**", lalu pilih yg pertama, setelah itu klik "**View Certificate**"→ "**Details**"→"**Copy to File**"
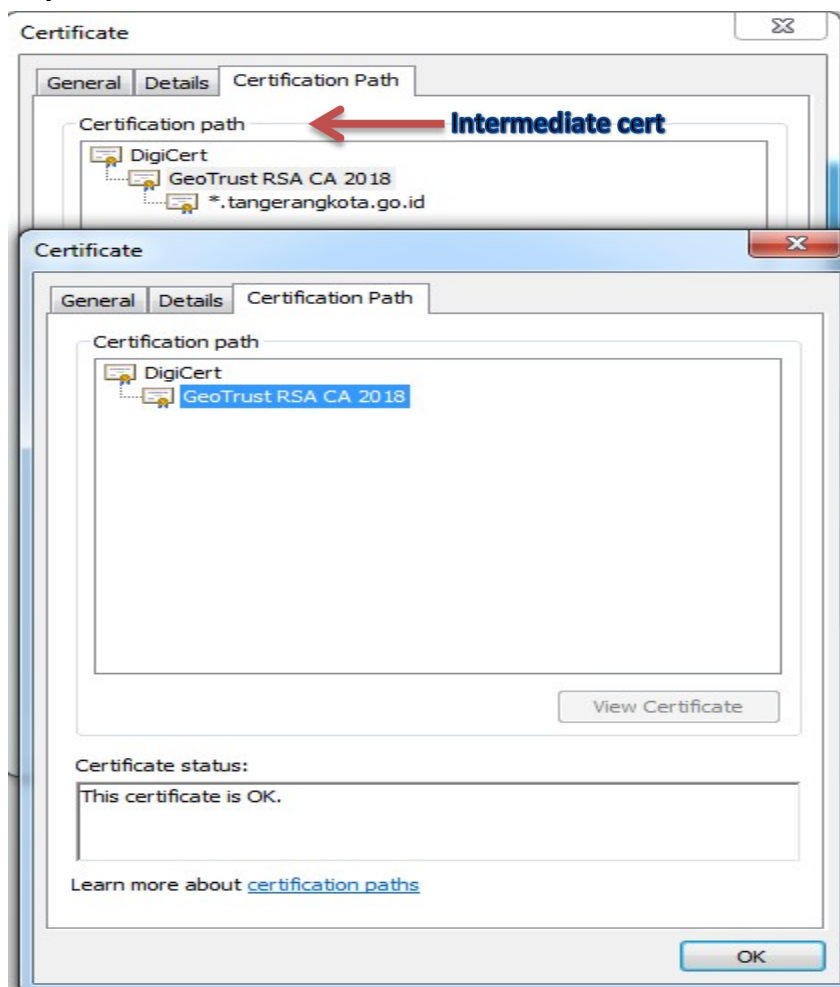
3. Lalu export certificate menjadi file .cer

Certificate Export Wizard

Welcome to the Certificate Export Wizard

This wizard helps you copy certificates, certificate trust lists and certificate revocation lists from a certificate store to your disk.

A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.

To continue, click Next.

< Back   Next >   Cancel

Certificate Export Wizard

Export File Format
Certificates can be exported in a variety of file formats.

Select the format you want to use:

○ DER encoded binary X.509 (.CER)
⦿ Base-64 encoded X.509 (.CER)
○ Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)
  ☐ Include all certificates in the certification path if possible
○ Personal Information Exchange - PKCS #12 (.PFX)
  ☐ Include all certificates in the certification path if possible
  ☐ Delete the private key if the export is successful
  ☐ Export all extended properties
○ Microsoft Serialized Certificate Store (.SST)

Learn more about certificate file formats

< Back   Next >   Cancel

Certificate Export Wizard

File to Export
Specify the name of the file you want to export

File name:
TENTUKAN LOKASI UNTUK MENYIMPAN CERT   Browse...

< Back   Next >   Cancel

- **export certificate intermediate**

4. Buat file ca_chain.crt pada direktori /tmp, gabungkan file root certificate & intermediate

```
[root@mail SSL]# cat /home/infokommerpati/SSL/root.crt
/home/infokommerpati/SSL/intermediate.crt > /tmp/ca_chain.crt
```

Hasil gabung seperti berikut:

-----BEGIN CERTIFICATE-----
MIIDrzCCApegAwIBAgIQCDvgVpBCRrGhdWrJWZHHSjANBgkqhkiG9w0BAQUFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNlcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwgUm9vdCBD
QTAeFw0wNjExMTAwMDAwMDBaFw0zMTExMTAwMDAwMDBaMGExCzAJBgNVBAYTAlVT
MRUwEwYDVQQKEwxEaWdpQ2VydCBJbmMxGTAXBgNVBAsTEHd3dy5kaWdpY2VydC5j
b20xIDAeBgNVBAMTF0RpZ2lDZXJ0IEdsb2JhbCBSb290IENBMIIBIjANBgkqhkiG
9w0BAQEFAAOCAQ8AMIIBCgKCAQEA4jvhEXLeqKTTo1eqUKKPC3eQyaKl7hLOllsB
CSDMAZOnTjC3U/dDxGkAV53ijSLdhwZAAIEJzs4bg7/fzTtxRuLWZscFs3YnFo97
nh6Vfe63SKMI2tavegw5BmV/Sl0fvBf4q77uKNd0f3p4mVmFaG5cIzJLv07A6Fpt
43C/dxC//AH2hdmoRBBYMql1GNXRor5H4idq9Joz+EkIYIvUX7Q6hL+hqkpMfT7P
T19sdl6gSzeRntwi5m3OFBqOasv+zbMUZBfHWymeMr/y7vrTC0LUq7dBMtoM1O/4
gdW7jVg/tRvoSSiicNoxBN33shbyTApOB6jtSj1etX+jkMOvJwIDAQABo2MwYTAO
BgNVHQ8BAf8EBAMCAYYwDwYDVR0TAQH/BAUwAwEB/zAdBgNVHQ4EFgQUA95QNVbR
TLtm8KPiGxvDl7I90VUwHwYDVR0jBBgwFoAUA95QNVbRTLtm8KPiGxvDl7I90VUw
DQYJKoZIhvcNAQEFBQADggEBAMucN6pIExIK+t1EnE9SsPTfrgT1eXkIoyQY/Esr
hMAtudXH/vTBH1jLuG2cenTnmCmrEbXjcKChzUyImZOMkXDiqw8cvpOp/2PV5Adg
06O/nVsJ8dWO41P0jmP6P6fbtGbfYmbW0W5BjfIttep3Sp+dWOIrWcBAI+0tKIJF
PnlUkiaY4IBIqDfv8NZ5YBberOgOzW6sRBc4L0na4UU+Krk2U886UAb3LujEV0ls
YSEY1QSteDwsOoBrp+uvFRTp2InBuThs4pFsiv9kuXclVzDAGySj4dzp30d8tbQk
CAUw7C29C79Fv1C5qfPrmAESrciIxpg0X40KPMbp1ZWVbd4=
-----END CERTIFICATE-----

-----BEGIN CERTIFICATE-----
MIIEizCCA3OgAwIBAgIQBUb+GCP34ZQdo5/OFMRhczANBgkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaUNlcnQgSW5jMRkwFwYDVQQLExB3
d3cuZGlnaWNlcnQuY29tMSAwHgYDVQQDExdEaWdpQ2VydCBHbG9iYWwgUm9vdCBD
QTAeFw0xNzExMDYxMjIzNDVaFw0yNzExMDYxMjIzNDVaMF4xCzAJBgNVBAYTAlVT
MRUwEwYDVQQKEwxEaWdpQ2VydCBJbmMxGTAXBgNVBAsTEHd3dy5kaWdpY2VydC5j
b20xHTAbBgNVBAMTFEdlb1RydXN0IFJTQSBDQSAyMDE4MIIBIjANBgkqhkiG9w0B
AQEFAAOCAQ8AMIIBCgKCAQEAv4rRY03hGOqHXegWPI9/tr6HFzekDPgxP59FVEAh
150Hm8oDI0q9m+2FAmM/n4W57Cjv8oYi2/hNVEHFtEJ/zzMXAQ6CkFLTxzSkwaEB
2jKgQK0fWeQz/KDDlqxobNPomXOMJhB3y7c/OTLo0lko7geG4gk7hfiqafapa59Y
rXLIW4dmrgjgdPstU0Nigz2PhUwRl9we/FAwuIMIMl5cXMThdSBK66XWdS3cLX18
4ND+fHWhTkAChJrZDVouoKzzNYoq6tZaWmyOLKv23v14RyZ5eqoi6qnmcRID0/i6
U9J5nL1krPYbY7tNjzgC+PBXXcWqJVoMXcUw/iBTGWzpwwIDAQABo4IBQDCCATww
HQYDVR0OBBYEFJBY/7CcdahRVHex7fKjQxY4nmzFMB8GA1UdIwQYMBaAFAPeUDVW
0Uy7ZvCj4hsbw5eyPdFVMA4GA1UdDwEB/wQEAwIBhjAdBgNVHSUEFjAUBggrBgEF
BQcDAQYIKwYBBQUHAwIwEgYDVR0TAQH/BAgwBgEB/wIBADA0BggrBgEFBQcBAQQo
MCYwJAYIKwYBBQUHMAGGGGh0dHA6Ly9vY3NwLmRpZ2ljZXJ0LmNvbTBCBgNVHR8E
OzA5MDegNaAzhjFodHRwOi8vY3JsMy5kaWdpY2VydC5jb20vRGlnaUNlcnRHbG9i
YWxSb290Q0EuY3JsMD0GA1UdIAQ2MDQwMgYEVR0gADAqMCgGCCsGAQUFBwIBFhxo
dHRwczovL3d3dy5kaWdpY2VydC5jb20vQ1BTMA0GCSqGSIb3DQEBCwUAA4IBAQAw
8YdVPYQI/C5earp80s3VLOO+AtpdiXft9OlWwJLwKlUtRfccKj8QW/Pp4b7h6QAI
ufejwQMb455OjpIbCZVS+awY/R8pAYsXCnM09GcSVe4ivMswyoCZP/vPEn/LPRhH
hdgUPk8MlD979RGoUWz7qGAwqJChi28uRds3thx+vRZZIbEyZ62No0tJPzsSGSz8
nQ//jP8BIwrzBAUH5WcBAbmvgWfrKcuv+PyGPqRcc4T55TlzrBnzAzZ3oClo9fTv
O9PuiHMKrC6V6mgi0s2sa/gbXlPCD9Z24XUMxJElwIVTDuKB0Q4YMMlnpN/QChJ4
B0AFsQ+DU0NCO+f78Xf7
-----END CERTIFICATE-----

5. upload file yang telah diberikan oleh geotrust (baru) ke dalam server (**tangerangkota.go.id.crt**)

6. jalankan command berikut untuk melakukan cek ssl certificate

```
[root@mail SSL]# /opt/zimbra/bin/zmcertmgr verifycrt comm
/home/infokommerpati/SSL/tangerangkota.go.id.key
/home/infokommerpati/SSL/tangerangkota1.go.id.crt /tmp/ca_chain.crt
```

7. jika muncul hasil seperti ini, ssl sudah siap untuk di deploy

```
[root@mail SSL]# /opt/zimbra/bin/zmcertmgr verifycrt comm
/home/infokommerpati/SSL/tangerangkota.go.id.key

/home/infokommerpati/SSL/tangerangkota1.go.id.crt /tmp/ca_chain.crt
** Verifying /home/infokommerpati/SSL/tangerangkota1.go.id.crt against
/home/infokommerpati/SSL/tangerangkota.go.id.key
Certificate (/home/infokommerpati/SSL/tangerangkota1.go.id.crt) and private
key (/home/infokommerpati/SSL/tangerangkota.go.id.key) match.
Valid Certificate: /home/infokommerpati/SSL/tangerangkota1.go.id.crt: OK
```

8. Lakukan Deploy certificate dengan command berikut sebagai user **root**

```
[root@mail SSL]# /opt/zimbra/bin/zmcertmgr deploycrt comm
/home/infokommerpati/SSL/tangerangkota1.go.id.crt /tmp/ca_chain.crt

** Verifying /home/infokommerpati/SSL/tangerangkota1.go.id.crt
against /opt/zimbra/ssl/zimbra/commercial/commercial.key
Certificate (/home/infokommerpati/SSL/tangerangkota1.go.id.crt) and
private key (/opt/zimbra/ssl/zimbra/commercial/commercial.key)
match.
Valid Certificate:
/home/infokommerpati/SSL/tangerangkota1.go.id.crt: OK
** Copying /home/infokommerpati/SSL/tangerangkota1.go.id.crt to
/opt/zimbra/ssl/zimbra/commercial/commercial.crt
** Appending ca chain /tmp/ca_chain.crt to
/opt/zimbra/ssl/zimbra/commercial/commercial.crt
** Importing certificate
/opt/zimbra/ssl/zimbra/commercial/commercial_ca.crt to CACERTS as
zcs-user-commercial_ca...done.
** NOTE: mailboxd must be restarted in order to use the imported
certificate.
** Saving server config key zimbraSSLCertificate...done.
** Saving server config key zimbraSSLPrivateKey...done.
** Installing mta certificate and key...done.
** Installing slapd certificate and key...done.
** Installing proxy certificate and key...done.
** Creating pkcs12 file /opt/zimbra/ssl/zimbra/jetty.pkcs12...done.
** Creating keystore file /opt/zimbra/mailboxd/etc/keystore...done.
** Installing CA to /opt/zimbra/conf/ca...done.
```

9. Jika sudah selesai, Restart Service zimbra menggunakan command berikut.

```
[zimbra@mail SSL]$ zmcontrol restart
Host mail.tangerangkota.go.id
        Stopping vmware-ha...skipped.
            /opt/zimbra/bin/zmhactl missing or not executable.
        Stopping zmconfigd...Done.
        Stopping zimlet webapp...Done.
        Stopping zimbraAdmin webapp...Done.
        Stopping zimbra webapp...Done.
        Stopping service webapp...Done.
        Stopping stats...Done.
        Stopping mta...Done.
        Stopping spell...Done.
        Stopping snmp...Done.
        Stopping cbpolicyd...Done.
        Stopping archiving...Done.
        Stopping opendkim...Done.
        Stopping amavis...Done.
        Stopping antivirus...Done.
        Stopping antispam...Done.
        Stopping proxy...Done.
        Stopping memcached...Done.
        Stopping mailbox...Done.
        Stopping logger...Done.
        Stopping dnscache...Done.
        Stopping ldap...Done.
Host mail.tangerangkota.go.id
        Starting ldap...Done.
        Starting zmconfigd...Done.
        Starting dnscache...Done.
        Starting logger...Done.
        Starting mailbox...Done.
        Starting memcached...Done.
        Starting proxy...Done.
        Starting amavis...Done.
        Starting antispam...Done.
        Starting antivirus...Done.
        Starting opendkim...Done.
        Starting cbpolicyd...Done.
        Starting snmp...Done.
        Starting spell...Done.
        Starting mta...Done.
        Starting stats...Done.
        Starting service webapp...Done.
        Starting zimbra webapp...Done.
        Starting zimbraAdmin webapp...Done.
        Starting zimlet webapp...Done.
```

10. Lakukan test pengiriman email & akses web mail client.