

Splunk – Setting up a CA signed certificate in Splunk

```
Directory of C:\Program Files\Splunk\etc\auth\mycerts
17/04/2016 09:16 PM <DIR> .
17/04/2016 09:16 PM <DIR> ..
                0 File(s)                0 bytes
                2 Dir(s) 125,050,486,784 bytes free

C:\Program Files\Splunk\etc\auth\mycerts>
```

"c:\program files\splunk\bin\openssl" genrsa -des3 -out mySplunkWebPrivateKey.key 2048 -config "C:\Program Files\Splunk\openssl.cnf"

```
C:\Program Files\Splunk\etc\auth\mycerts>"c:\program files\splunk\bin\openssl" g
enrsa -des3 -out mySplunkWebPrivateKey.key 2048 -config "C:\Program Files\Splu
nk\openssl.cnf"
WARNING: can't open config file: C:\wrangler-2.0\build-home\galaxy\ssl\openss
l.cnf
Generating RSA private key, 2048 bit long modulus
.....+++
.....+++
e is 65537 (0x10001)
Enter pass phrase for mySplunkWebPrivateKey.key:
Verifying - Enter pass phrase for mySplunkWebPrivateKey.key:

C:\Program Files\Splunk\etc\auth\mycerts>dir
Volume in drive C has no label.
Volume Serial Number is 7095-3850

Directory of C:\Program Files\Splunk\etc\auth\mycerts
17/04/2016 09:16 PM <DIR> .
17/04/2016 09:16 PM <DIR> ..
17/04/2016 09:16 PM 1,743 mySplunkWebPrivateKey.key
                1 File(s)                1,743 bytes
                2 Dir(s) 125,050,376,192 bytes free

C:\Program Files\Splunk\etc\auth\mycerts>
```

"c:\program files\splunk\bin\openssl" rsa -in mySplunkWebPrivateKey.key -out mySplunkWebPrivateKey.key

```
C:\Program Files\Splunk\etc\auth\mycerts>"c:\program files\splunk\bin\openssl" r
sa -in mySplunkWebPrivateKey.key -out mySplunkWebPrivateKey.key
WARNING: can't open config file: C:\wrangler-2.0\build-home\galaxy\ssl\openss
l.cnf
Enter pass phrase for mySplunkWebPrivateKey.key:
writing RSA key

C:\Program Files\Splunk\etc\auth\mycerts>
```

File has changed size (KEY has been removed)

```
Directory of C:\Program Files\Splunk\etc\auth\mycerts
17/04/2016 09:16 PM <DIR> .
17/04/2016 09:16 PM <DIR> ..
17/04/2016 09:17 PM 1,675 mySplunkWebPrivateKey.key
                1 File(s)                1,675 bytes
                2 Dir(s) 125,050,085,376 bytes free

C:\Program Files\Splunk\etc\auth\mycerts>^Z
```

"c:\program files\splunk\bin\openssl" rsa -in mySplunkWebPrivateKey.key -text

```
Administrator: Command Prompt

f9:f8:c1:36:cd:23:d8:62:95:b7:73:82:53:62:25:
76:f2:39:18:ba:d4:c2:ed:9b:ed:87:d2:2e:ac:4f:
a3:6e:1a:03:2a:26:50:fc:d1:e5:8f:ea:bd:50:a9:
97:16:74:95:5b:68:c4:a9:60:bb:dd:cf:06:f7:91:
fe:71:fa:6d:00:2a:38:0d:d6:d4:85:23:c5:8c:af:
a2:d3:6f:32:0d:a7:6e:da:4e:86:2d:7e:36:5b:7a:
40:c0:c2:bc:69:3a:24:56:e3:53:43:05:72:4a:a6:
da:6e:fc:ba:8e:bc:e0:f3:1f
prime2:
00:e8:4a:0a:88:cd:92:c0:eb:11:e6:e7:44:f4:ce:
8b:da:f7:f1:78:6f:12:ad:46:c3:38:2d:d6:db:e1:
9f:31:17:a4:0c:18:c2:9c:0b:7d:2c:ae:35:1f:45:
89:97:52:db:f0:bc:9a:4a:3c:55:45:07:78:b0:fc:
87:f8:39:e8:f2:77:79:91:2c:7b:ab:cc:99:da:70:
5d:0a:6c:58:db:5b:01:3a:5c:73:e8:6c:24:24:64:
c1:e6:24:22:03:20:63:9c:25:9b:90:50:d6:09:71:
04:93:fa:12:3e:cb:fa:10:26:8f:69:3a:fb:8e:bb:
1d:0a:f0:24:3c:29:06:64:ed
exponent1:
40:54:53:a2:33:09:11:12:fb:71:15:db:b8:2d:aa:
d4:dc:2e:97:f4:14:32:69:68:a5:0f:77:04:83:59:
9d:f1:bd:3d:3c:99:a1:26:12:12:64:6e:7f:b7:26:
8c:50:fe:2e:06:58:e5:e1:0d:f8:14:5e:47:1a:45:
1e:36:33:88:e1:9b:07:bb:08:73:d7:ae:aa:e1:3d:
f3:16:15:3a:0b:c5:19:e5:b0:e9:14:ce:29:bc:bd:
9e:70:c2:0a:c8:67:99:39:06:bd:e6:b7:e5:cf:cb:
f9:e9:3f:05:f1:7c:f1:9c:b8:5d:26:98:04:55:bd:
63:57:34:88:65:2d:fa:65
exponent2:
7a:20:33:59:a9:7b:36:a2:60:4f:1d:d8:4b:3d:2c:
9a:7b:31:21:38:84:81:45:6a:ed:e6:6b:c8:3e:df:
0b:58:7a:8f:41:95:4f:a5:5a:b2:5b:04:e2:e4:14:
6a:d2:cd:7f:cc:28:f2:4e:b6:26:0c:bf:8f:8d:b5:
8e:f4:23:5d:17:23:7b:08:00:1d:5a:fc:a8:b3:da:
b6:d8:2f:ff:63:e1:49:65:c2:2a:b8:70:68:11:f1:
3f:a6:4f:9b:85:33:d9:ac:8c:15:5b:ea:ac:1c:17:
64:15:5d:f2:56:1b:aa:d2:1b:24:20:36:91:dc:1e:
70:d9:c0:b3:40:7e:74:21
coefficient:
57:39:7b:7b:05:51:ac:11:39:6c:bd:2d:f0:c1:0f:
40:b6:4b:42:9c:61:d7:18:83:f9:ae:c0:15:9b:f2:
18:94:d8:c7:b2:42:6f:60:fd:fa:dc:7d:c9:b0:1d:
cb:52:96:4c:f2:d9:ba:9f:4a:14:b3:b1:5a:0a:6b:
a4:a7:04:e9:36:e9:9d:fc:4a:74:f9:6a:9c:8d:fd:
8c:eb:e2:68:38:1d:a0:14:7b:50:2c:8c:4b:67:cd:
24:c4:c8:02:ee:30:02:b9:ff:1c:df:45:f4:fd:6c:
cd:3a:0a:16:f3:e5:63:80:be:37:05:78:84:a9:68:
53:28:0f:f8:50:33:38:74
writing RSA key
-----BEGIN RSA PRIVATE KEY-----
MIIEogI BAAKCAQEA4BrkfzrbxP0rPT19xT4JDuz0pUiko/vKKdno29u6CxSNqrG
Dv jANjdBZqg/txn/EJJR3NpqqvXw1szZ7bGNgm/je25BkG6MZg6tyjRknZ9BcIMd
OhEiI1+QId9C6kFRJeQAdRGya/3NGhCN1GCU1ow0rsKXMQBESRirAaX47Hr2WUgY
OM8yBA0C21pQu60kWEwbCPcUstIqg83oQ9C4BwakEndz0iyeBPScdf8aM4G0B7f42
CI/e9ELvPZ97tJjUBmGA7kGTUionR0t/J4+zwE+dyFQCAaJfWMBU8aEgxjzK8NFW
En9lM84ggYQa58cuvgoTfstdt0q+akNmZPMvswIDAQABAoI BAgjTS3Pki0/Bnt68
AuFrNpLbLAdhaPwDTawJGoxsn/5U09s3A3eVxHdEMN0NQ7xowReXNpgdCgZtdjT
o1Byj82mhpKSxSpI+3U1goc1sLa16pgOUop1vy/Z10Jwyz0F5m5B0xDvgTTQU+LM
QU1ZPD6XmfQyFN4X0NkZHxK87s2161y3gHQUiaFsNG4cuffBrWji+xMnloalZTti
GDh8xLivWD+m9EGod4luGEvTIq+jfalJbi08H91LrMsD8Hs9Z2AoeaAkMNzoKjF/
ztnc0D770HbqHrp+90zUSTU2+Lc5h2F3RUkvdT94dUACy8TQDPGwyLNDqwX6U/wL
Uky7/1kCgYEA9vur9jGHZKgXEQK/WdU+5aME2zSPYypW3c4JTYiU28jkYutTC7Zot
h9lurE+jbhoDKiZQ/NHlj+q9UKmXFnSUW2jEqWC73c8G95H+cfptACo4DdbUhsPF
jK+i028yDadu2k6GLX42W3pAwMK8aTokUuNTQwUySghabvy6jrzg8x8CgYEA6EoK
iM2Sw0sR5udE9M6L2vfxeC8sRUhDOC3W2+GfMReKDBjCnat9LK41H0WJl1Lb8Lya
SjxURQd4sPyH+Dno8nd5kSx7q8yZ2nBdCmxY21sB01xz6GwkJGTB5iQiaYBjncWb
fnQhAoGAUz17ewURRBE5hL0t8MEPQLZLQpxh1xiD+a7AFZvYgJTYx7JCh2D9+tx9
ybAdy1KWTPLZup9KFL0xWgprpKcE6ThpnfxKdPlqnI39j0v1adgdoBR7UCyMS2fN
JMTIau4wArn/HN9F9P1sz1oKfVpLY4C+NwU4hKl0Uygp+FAzOHQ=
-----END RSA PRIVATE KEY-----

C:\Program Files\Splunk\etc\auth\mycerts>
```

```
"c:\program files\splunk\bin\openssl" req -new -key mySplunkWebPrivateKey.key -out  
mySplunkWebCert.csr -config "C:\Program Files\Splunk\openssl.cnf"
```

```
C:\Program Files\Splunk\etc\auth\mycerts>"c:\program files\splunk\bin\openssl" r  
eq -new -key mySplunkWebPrivateKey.key -out mySplunkWebCert.csr -config "C:\Pro  
gram Files\Splunk\openssl.cnf"  
WARNING: can't open config file: C:\wrangler-2.0\build-home\galaxy\ssl\openss  
l.cnf  
You are about to be asked to enter information that will be incorporated  
into your certificate request.  
What you are about to enter is what is called a Distinguished Name or a DN.  
There are quite a few fields but you can leave some blank  
For some fields there will be a default value,  
If you enter '.', the field will be left blank.  
-----  
Country Name (2 letter code) [AU]:AU  
State or Province Name (full name) [Some-State]:VIC  
Locality Name (eg, city) []:Melbourne  
Organization Name (eg, company) [Internet Widgits Pty Ltd]:BNW Consulting  
Organizational Unit Name (eg, section) []:Splunk  
Common Name (e.g. server FQDN or YOUR name) []:splunkforward1.bnwconsulting.com.  
au  
Email Address []:warwick.chai@bnwconsulting.com.au  
  
Please enter the following 'extra' attributes  
to be sent with your certificate request  
A challenge password []:0000  
An optional company name []:BNW  
  
C:\Program Files\Splunk\etc\auth\mycerts>_
```

```
C:\Program Files\Splunk\etc\auth\mycerts>dir  
Volume in drive C has no label.  
Volume Serial Number is 7095-3850  
  
Directory of C:\Program Files\Splunk\etc\auth\mycerts  
  
17/04/2016 09:19 PM <DIR> .  
17/04/2016 09:19 PM <DIR> ..  
17/04/2016 09:19 PM 1,171 mySplunkWebCert.csr  
17/04/2016 09:17 PM 1,675 mySplunkWebPrivateKey.key  
2 File(s) 2,846 bytes  
2 Dir(s) 125,049,561,088 bytes free  
  
C:\Program Files\Splunk\etc\auth\mycerts>_
```

.csr file needs to be sent to a CA

-----BEGIN CERTIFICATE REQUEST-----

MIIDKDCCAhACAQAwwgbkxCzAJBgNVBAYTAkFVMQwwCgYDVQQIDANWSUMxEjAQBgNV
BAcMCU1lbGJvdXJuZTEXMBUGA1UECgwOQk5XIENvbnN1bHRpbmcxDzANBgNVBAsM
BlNwbHVuazEsMCoGA1UEAwwjc3BsdW5rZm9yd2FyZDEuYm53Y29uc3VsdGluZy5j
b20uYXUxMDAuBgkqhkiG9w0BCQEWIXdhcndpY2suY2hhaUBibndjb25zdWx0aW5n
LmNvbS5hdTCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAOAa5H5M628T
9Kz05fcU+CQ1M9KVipKP7yinZ6NvbugsUjaqxg74wDY3QWaqv7cZ/xCSUdzaaqr1
8NbM2e2xjYJv43tuQZBujGYOrco0ZJ2fQXJTHToRIiCPkCHfQupBUSXkAHURsmv9
zRoQjZRglZTsDq7ClzEAREkSKwGl+Ox6911IGDjPMgQNattaULutJFhMGwj3FbE0
IPN6EPQuAcGpBJ3c9Isnmz0nH3fGjOBtAe3+NgiP3vRC7z2fe7SY1QZhgo5Bk1Iq
J0dLfyePs8BPnchUAAGiX1jAVfGhIMY8yvDRVhJ/ZTPOIIGEGufHLr4KE37bHbdk
vmpDZmTzL7MCAwEAAaApMBIGCSqGSIB3DQEJAjEFDANCTlcwEwYJKoZIhvcNAQkH
MQYMBDAwMDAwDQYJKoZIhvcNAQELBQADggEBAFFnc5gcTqIgzWTw///haban4uyb
3PtH0KCKiyik/oDwwU9waFscppBVNMLjW9INV7d1rqGFJ0iy2NRWMLBdpHzH8+3K
/DO7n5lMHgUluJMoyCxMKuRupvNwEiMVEJEK4bKYBeqzXWAL78vapQuQIBcjFQGT
rBarCPL4oefjyEbGNwTPH8XgYd2GHi1MiXoISkY7u1R/sci1HZd7kGiW/d5wKLnD
7rvwSBAwE6DcZSore5SbTTPIffX6cs3bMaQo1125qxhrCo4r8lYJJzxopyaAchvE
OuJiVBGKeGKeD1C8zSvFSnAHIAJ1LzCDOnqpjJq5GdCyMg3EKz/qa++d9js=

-----END CERTIFICATE REQUEST-----

<https://www.rapidsslonline.com/>



Buy New or Renew Your RapidSSL® Certificate

☒ 1 Year @ **\$17.95** per year (Save 63%)
You Save 63% Off \$49.00 List Price

☐ 2 Year @ **\$14.95** per year (Save 65%)

☐ 3 Year @ **\$12.99** per year (Save 68%)

Number of Servers ?

Additional Domain(s) ?

Quantity ?

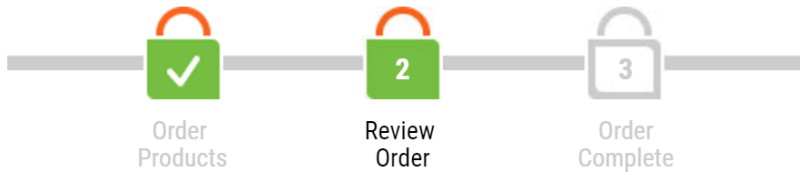
Total Domains: 1
Total Servers: UL

Total
\$17.95

RENEW NOW ▶

ADD TO CART ▶

[BACK TO SHOPPING](#)



ORDER

REVIEW

Review Your Order Details

Please review and submit your order by clicking "CONFIRM"

Billing Address

Level 1, 530 Little Collins St
Melbourne, VIC, 3000
Australia
Phone: +61411838324


Payment Information

Payment Type: Credit Card
Credit Card Number: *****4001



SUMMARY

ORDER

Product Name	Year	Servers	Price
RapidSSL Certificate	1	Unlimited	\$17.95
Subtotal			\$17.95
TOTAL			\$17.95
Edit Order			
			
CONFIRM			

BACK TO SHOPPING



THANK

YOU

Thank you for placing an order with Rapidsslonline.com.

Your Order Details:

Transaction ID : **ROR82970151M1236835**

Your credit card has been charged \$17.95

Please note that this charge will show as **THESSLSTORE.COM** in your credit card statement.

YOUR NEXT STEPS: After you initiate/generate your cert below, you'll receive an email at warwick.chai@bnwconsulting.com.au which will include a link from GeoTrust, RapidSSL, Thawte or Symantec directly to begin the SSL enrollment process.



ORDER

SUMMARY

Order Date	Product Name	Generate Cert	View
4/17/2016	RapidSSL Certificate 12 Months Invoice No. ROR82970151M1236835	GENERATE	

Click GENERATE

Dashboard

Order Summary

My Orders

My Account

Cancellation

My Tickets

SSL Tools

Shop Now



Certificate Generation

ENTER DOMAIN & COUNTRY

Certificate Name: RapidSSL Certificate

Common Name:* splunkforward1.bnwconsulting.com.au

Country:* Australia

(Organization or Admin Country)

Is this for an e-commerce website?*

☐ Yes ☒ No

How do you want to verify domain ownership?*

☒ Via Email ? ☐ By Placing a Unique File on My Site ?

GENERATE ▶

(Upon submission, you'll be redirected to the appropriate landing page to complete the certificate enrollment process.)

Dashboard

Order Summary

My Orders

My Account

Certificate Generation

NEXT STEP: FOLLOW THE LINK BELOW

To complete the certificate enrollment process, please click your unique link below and then enter the necessary information to proceed.

<https://products.geotrust.com/orders/invite.do?pin=EjrcsdYhPWPzcD805Vslm>

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SSL Provider.

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RapidSSL Enrollment

Language

English - English ▼

Validity Period

Please select the validity period for your certificate from the list below.

- ☒ 1 year
- ☐ 2 years
- ☐ 3 years

Renewal

If you have a RapidSSL.com-issued SSL certificate for the same domain that is expiring in the next 90 days or has expired in the past 90 days, you are eligible to take advantage of the renewal price. We will add any remaining time on your existing certificate into the new certificate, rounding up to the next full month. (i.e., if you have 15 days left on your existing certificate, we will add one month onto your new certificate.)

- ☒ Initial Order
- ☐ Renewal

Competitive Replacement

If you have an active certificate issued by a competitor you are eligible for a competitive replacement and receive the certificate free of charge. In order to perform this upgrade, we will connect to your server and validate that a current active competitive certificate exists for the same fully qualified domain name that you are ordering. If for some reason we can not properly connect to your current server and validate the certificate, we will allow you to paste the certificate onto the next page.

- ☐ Yes, I have a server certificate from a competitor.
- ☒ No, I can't take advantage of this offer.

Reissue Insurance

RapidSSL.com offers a self-service certificate reissue/replacement program for the life of a certificate. This enables the free replacement of the certificate for the same domain in the event the certificate or keys are deleted or destroyed.

Certificate reissues will be provided free of charge for this order.

Server Licenses

RapidSSL certificates come with unlimited server licensing. This means you can use this certificate as many times as you need, on as many servers as you need, with no additional fees.

Special Instructions

Please provide us any additional information about this order here:



Continue



https://products.geotrust.com/orders/enrollment/OrderInfo.do

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RapidSSL Enrollment

Language

English - English

Enter CSR

After generating your server's Certificate Signing Request as described in [Generate CSR](#), paste the CSR in the form below. Please make sure that it contains the complete header and footer "BEGIN" and "END" lines exactly as in the example below.

SAMPLE ONLY

```
-----BEGIN NEW CERTIFICATE REQUEST-----
MIIDCjCCAnMCAQAwTEZMBcGA1UEAxMQaG9zdC5kb21haW4ubmFtZTEV
BMGA1UECMMT3JnYV5pemF0aW9uMRUwEwYDVQKEwxPcmdhbmI6YXRpb2
4xDALBgNVBACtBENpdHkxMjYwMjYwMjYwMjYwMjYwMjYwMjYwMjYw
VUzCBnzANBQkqhkiG9w0BAQEFAAOBjQAwgYkCgYEAyZ1dYomQ4jhSr6f
G3GYxjS4B837+y3A6xIM9OVXV4ZnS1e9nOLHgdksQJpwaQeOZwWeqifte
hrJ/s55PvPxok+Tqq0t7BfMkkUSuiYnFdUo1OpDPdw3cEaP9WWSrduouI
Vnq2AWTDw2ykyxKg6neb2vYTRvbot7M578Vvh6P8CAwEAAACCAVMwGgY
KKwYBBAGCNw0CAZEMFgo1LjAuMjE5NS4yMDUGCsGAQQBgjcCAQ4xJzAl
MA4GA1UdDwEB/wQEAwIE8DATBgNVHUEDDAKBggrBgEFBQcDATCB/QYKK
wYBBAGCNw0CAjGB7jCB6wIBAR5aAE0AaQBJAHIAbwBzAG8AZgB0ACAAUg
BTAAEIAIBTAEMAAABhAG4AbgBIAgAIAIBDAHIAeQBWAhQAAbwBnAHIAyQB
wAGGAaQBJACAAUABYAG8AdgBpAGQAZQByA4GJACB3C0g9psK0+V+N/Me1
JsG39vonCPQBdOwNp6zHJSPCU3FwQ0SgFpEQNy6HEn7910CMrU93q9Hh1
TQtd2YU6IWHQunXrIcytmAFVjhibNX6Dp1e41Wjc2N4iJyy1GFss686c
dZt2GP6y04I74/OvkW2Wf9nezUrMrESM2PP4B1AAAAAAdDQYJKoZ
IhvcNAQEFBQADgYEA4+QHTVp5CG+WcGnrhKiMkInMP6QEsds40obUDS
dGtEupQz8C+4xoMd1aM68q9Ri6Va+JTeuhKHxLz9hT/KUJhNBBy0sRfnx+
JkQdrKG69UanTwvLqXINh9xChw9ErIto/2kZISk12KYQdiOqTv6p0GEUP
Rq/MD52Zy3bOzSRF0=
-----END NEW CERTIFICATE REQUEST-----
```

Certificate Signing Request *

```
-----BEGIN CERTIFICATE REQUEST-----
MIIDKCCAhACAQAwgkxG9w0BAQEFAAOBjQAwgYkCgYEAyZ1dYomQ4jhSr6f
B1NwbHVuazEsMCoGA1UEAwj3Bsdw5rZm9yd2FyZDEuYm53Y29uc3VsdGluZy5j
b20uYXUxMDAuBgkqhkiG9w0BCQEWIXdhcndpY2suY2hhaUBibndjb25zdWx0aw5n
LmNvbS5hdTCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBA0Aa5H5M628T
9Kz05fcU+CQ1M9KVipKP7yinZ6NvbugsUjaqxg74wDY3QWaqv7cZ/xCSUdzaagr1
8NbM2e2xjYJv43tuQZBuigYOrco0Z12f0XJTHToRIiCPkCHfOupBUSXKAHURsmv9
zRoQjzRg1ZTsDq7ClzEAREkSKwG1+0x6911IGDjPMgQNAttaULutJfHMGwj3FbE0
IPN6EPQuAcGpBJ3c9Isnmz0nH3fgj0BtAe3+NgIP3vRC7z2fe7SY1QZhg05Bk1Iq
J0dLfyepS8BPnchUAGGiX1jAVfGhIMY8yvDRVhJ/ZTPOIIGEGufHHL4KE37bHbdk
vmpDZmTzL7MCAwEAAApMBIGCSqGSIb3D0EJAjEFDANCT1cwEwYJKoZIhvcNAQkH
MQYMBDAwMDAwDQYJKoZIhvcNAQELBQADggEBAFFnc5gcTqIgzWTw//haban4uyb
3PtH0KCKiyik/oDwwU9waFscppBVNMLjw9INV7d1rqGFJ0iy2NRWMLBdpHzH8+3K
/DO7n51MHgUluJMoyCxmKuRupvNwEiMVEJEK4bkYBeqzXWAL78vap0uQIBcJFQGT
rBarCPL4oefjyEbGNwTPH8XgYd2GHI1MiXoISkY7u1R/sci1HZd7kGiw/d5wKLnD
7rvwSBawE6DcZS0re5SBTTPIffX6cs3bMa0o1l25qxhrCo4r81YJJzxopyaAcHvE
OuJiVBGKeGKeD1C8zSvFSnAHIAJ1LzCD0nqpjJq5GdCyMg3EKz/qa++d9js=
-----END CERTIFICATE REQUEST-----
```



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Verify Server URL

The CSR you generated is designed to work with the following URL:

<https://splunkforward1.bnwconsulting.com.au>

If this is not the correct URL (computed from the Common name in the CSR), or if any of the CSR Information below is incorrect, then please generate a new CSR and click the Replace CSR button.

Replace CSR

CSR Information

Common Name: splunkforward1.bnwconsulting.com.au

Organization: BNW Consulting

Org. Unit: Splunk

Locality: Melbourne

State: VIC

Country: AU

Encryption Type: RSA

★ **Hashing Algorithm:** SHA-256 with RSA or DSA and SHA-1 root ▼

*For best RSA browser compatibility, choose the SHA-256 with RSA or DSA and SHA-1 root option.

Certificate Transparency: ☐ Do not make my certificate information public. Check the box if you do not want to publicly share your common name and SANs.

Learn more about [Certificate Transparency](#)

Note: The value for the Common Name must exactly match the name of the server you plan to secure.

Continue

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Site Administrator Contact Information

The administrative contact is the primary contact and will be contacted to assist in resolution of any questions about the order.

* First Name

* Last Name

Title

* E-mail

* Phone Number Numbers, dashes and spaces only

Technical Contact Information

The Technical contact will receive the certificate and generally be the individual to install the certificate on the web server. They will also receive renewal notices when the certificate nears expiration.

☐ New contact

☒ Check here if same as Administrator Contact

* First Name

* Last Name

Title

* E-mail

* Phone Number Numbers, dashes and spaces only

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Approval of Your Certificate Request

The RapidSSL.com RapidSSL™ service relies upon the Subscriber or the Subscriber's authorized administrator to approve all certificate requests for all hosts in the domain. It is important that you select the correct authorized administrator below. By selecting an authorized administrator, you warrant that the individual is authorized to approve the request. Your request for a RapidSSL™ server certificate will not be processed beyond this point if you select an incorrect email address.

Registered Domain Contacts

Unfortunately, we were not able to obtain the domain contacts from the registrar. It is possible that the registration information has not yet been published for this domain, or that the registrar is not currently available to RapidSSL.

Alternate Approval Email Addresses

The following approval email addresses can be used. You must make sure that the email account has been set up and is available before you submit this order, or the approval email will not be delivered.

Level 2 Domain Addresses

- ☒ admin@bnwconsulting.com.au
- ☐ administrator@bnwconsulting.com.au
- ☐ hostmaster@bnwconsulting.com.au
- ☐ webmaster@bnwconsulting.com.au
- ☐ postmaster@bnwconsulting.com.au

Level 3 Domain Addresses

- ☐ admin@splunkforward1.bnwconsulting.com.au
- ☐ administrator@splunkforward1.bnwconsulting.com.au
- ☐ hostmaster@splunkforward1.bnwconsulting.com.au
- ☐ webmaster@splunkforward1.bnwconsulting.com.au
- ☐ postmaster@splunkforward1.bnwconsulting.com.au

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Order Summary

Please review the information on this page and agree to the subscriber agreement. When you have completed this review, please submit your order for processing.

Order Information

Edit

Validity Period 12 months
Renewal No
Competitive Replacement No
Reissue Insurance Certificate reissues will be provided free of charge for this order.
Server Licenses 1
Special Instructions

CSR Information

Edit

Common Name: splunkforward1.bnwconsulting.com.au
Organization: BNW Consulting
Org. Unit: Splunk
Locality: Melbourne
State: VIC
Country: AU

Encryption Type: RSA
Hashing Algorithm: SHA-256 with RSA or DSA and SHA-1 root

Certificate Transparency Publicly logged

Chain Key Size 2048

Contacts

Edit

Role	Name	Phone	E-mail	Title
Administrative	Warwick Chai	0411838324	warwick.chai@bnwconsulting.com.au	
Technical	Warwick Chai	0411838324	warwick.chai@bnwconsulting.com.au	

Approver Information

Edit

Upon submission of this order, an email will be sent to the following email address. This email account must be active and ready to receive email.

Approver Email admin@bnwconsulting.com.au

Certificate Replacement Policy

RapidSSL® will refund a certificate or issue a new certificate within seven (7) days of the original certificate issuance. For more information please view the GeoTrust [Refund](#) policy.

Subscriber Agreement

Please carefully read the following agreement and mark the checkbox below.

SSL Certificate Subscriber Agreement

YOU MUST READ THIS SSL CERTIFICATE SUBSCRIBER AGREEMENT ("AGREEMENT") BEFORE APPLYING FOR



Subscriber Agreement

Please carefully read the following agreement and mark the checkbox below.

SSL Certificate Subscriber Agreement

YOU MUST READ THIS SSL CERTIFICATE SUBSCRIBER AGREEMENT ("AGREEMENT") BEFORE APPLYING FOR, ACCEPTING, OR USING ANY SYMANTEC, GEOTRUST, THAWTE, OR RAPIDSSL SSL CERTIFICATE . IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, DO NOT APPLY FOR, ACCEPT, OR USE THE CERTIFICATE. BY CLICKING "ACCEPT" BELOW OR BY ACCEPTING OR USING A CERTIFICATE, YOU AGREE TO BECOME A PARTY TO, AND BE BOUND BY, THESE TERMS.

AS USED IN THIS AGREEMENT, "SYMANTEC" MEANS AS FOLLOWS: (A) SYMANTEC CORPORATION, IF YOU ARE


By checking the checkbox below you confirm that you have carefully read, understood, and accept to become bound by the terms and conditions of the SSL Certificate Subscriber Agreement, including GeoTrust's [Privacy Statement](#). In particular, you agree to GeoTrust transferring your enrollment information to third parties in accordance with its Privacy Statement.

☒ I agree to this SSL Certificate Subscriber Agreement

Click the Submit Order button (below) to finalize this order information and to enter the Telephone Authentication phase of this order. You may not change any of this order information after this point. Please submit only once as this process could take a few seconds.

Submit Order

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← → ↺  GeoTrust, Inc. [US] <https://products.geotrust.com/orders/enrollment/Review.do>

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Language

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Thank you for your RapidSSL™ certificate request

Your order number is: 13621387

An email message has been sent to the selected approver requesting the approval of this certificate request. As soon as the approver receives this email and comes to the approval site, your certificate will be generated and emailed to you. If you have any questions, please contact RapidSSL Support.

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sslorders@geotrust.com

Warwick Chai

9:37 PM

RapidSSL Certificate Request Confirmation



ORDER APPROVAL

Dear Domain Administrator,

You are receiving this email because you are the Domain Administrator for splunkforward1.bnwconsulting.com.au and the person identified below has requested a RapidSSL certificate for:

<https://splunkforward1.bnwconsulting.com.au>

Applicant information:

Name: Warwick Chai

Email: warwick.chai@bnwconsulting.com.au

Phone: 0411838324

Warwick Chai requests that you come to the URL <https://products.geotrust.com/orders/a.do?p=axremqhaxh9gmkhfbduvs> to approve the certificate request:

<https://products.geotrust.com/orders/a.do?p=axremqhaxh9gmkhfbduvs>
Click or tap to follow link.

<https://products.geotrust.com/orders/A.do?p=AxreMQHAXh9gMKHfBDuVs>

Please follow the above link and click either the I APPROVE or I DO NOT APPROVE button.

When you click I APPROVE the certificate will be issued and emailed to the Applicant, Approver, and Technical contacts.

If you click I DO NOT APPROVE the certificate application will be cancelled.

Thanks,

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RapidSSL Order Review and Approval

Order Approval

Please review the information below and either approve or reject this certificate request. If you have any questions about this certificate request, you may contact one of the individuals listed below, or [RapidSSL.com Support](#).

Order Information

Order ID 13621387
Validity (months) 12
Server count 1
Web server
Special instructions none

Certificate Information

Subject Alt Names splunkforward1.bnwconsulting.com.au
Common Name splunkforward1.bnwconsulting.com.au
Organization: BNW Consulting
Org. Unit Splunk
Org. Unit
UID
Country: AU

Contacts

<u>Role</u>	<u>Name</u>	<u>Phone</u>	<u>E-mail</u>	<u>Title</u>
Technical:	Warwick Chai	0411838324	warwick.chai@bnwconsulting.com.au	
Administrative:	Warwick Chai	0411838324	warwick.chai@bnwconsulting.com.au	
Domain Approver:			admin@bnwconsulting.com.au	

Please select one of the options below. If you approve this request, the certificate will be immediately generated, the credit card will be charged (if applicable), and the certificate will be emailed to the intended recipients. Please press the button below only once as this process may take a few seconds.



GeoTrust, Inc. [US] <https://products.geotrust.com/orders/A.do?iapprove=I+Approve>

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RapidSSL Order Review and Approval

Order Successfully Approved

Order ID: **13621387**

Your order has been successfully approved and the certificate will be either emailed to you or delivered via your certificate supplier. If you have any questions, or you do not receive the certificate shortly, you should contact your supplier or [RapidSSL.com Support](#).

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sslorders@geotrust.com

Warwick Chai

9:38 PM

Subject: splunkforward1.bnwconsulting.com.au RapidSSL Order: 13621387 Complete

** MICROSOFT IIS and TOMCAT USERS

Microsoft and Tomcat users are advised to download a PKCS #7 formatted certificate from the GeoTrust User Portal: <https://products.geotrust.com/orders/orderinformation/authentication.do>. PKCS #7 is the default format used by these vendors during installation and includes the intermediate CA certificate, you may also install the below web server certificate and intermediate CA certificate individually.

Web Server CERTIFICATE

-----BEGIN CERTIFICATE-----

```
MIIFIDCCBHCgAwIBAgIQN/0+pE+FH2oDwKSLAnIcANBgkqhkiG9w0BAQsFADBC
MQswCQYDVQQGEWJVUzEWMBQGA1UEChMNR2VvVHJ1c3QgSW5jLjE5bWkGA1UEAxMS
UmFwaWRTU0wU0hBMjU2IENBMjU2MDQxNzAwMDAwMFOxMDQxNzU2MDQxNzU2MDQx
OVowLjEsMCoGA1UEAwj3BsdW5rZm9yd2FyZDEuYm53Y29uc3VsdGluZy5jb20u
YXUwgGElMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIABAQDgGuR+TOtvE/Ss9OX3
FPgkNTPSISKjS+8op2ejb27oLFI2qsYO+MA2N0Fmqr+3Gf8QklHc2mq9fDWzNnt
sY2Cb+N7bkGQboxmDq3KNGSdn0FyUx06ESlg5Ah30LqQVEI5AB1EbJr/c0aEI2U
YJWU7A6uwpcxAERJEisBpfjsevZZSBg4zziEDQLbWIC7rSRYTBsI9xWxNCDzehDO
LgHBqQsD3PSLj5s9Jx93xozgbQht/jYIj970Qu89n3u0mNUGYYDUQZNSKIdHS38n
j7PAT53IvAIBoI9YwFXxoSDGPMrwOVYSf2UzziCBhBrnxy6+ChN+2x23Sr5qQ2Zk
8y+zAgMBAAGggKMMIICIDAuBgNVHREElzAlgiNzcGx1bmtmb3J3YXJkMS5ibndj
b25zdWx0aW5nLmNvbS5hdTAJBgNVHRMEAIAAMCsGA1UdHwQkMCiWKAeoByGGmh0
dHA6Ly9ncC5zeW1jYi5jb20vZ3AuY3JsMG8GA1UdIARoMGYwZAYGZ4EMAQIBFow
KgYIKwYBBQUHAgEWEHmh0dHBzOi8vd3d3LnJhcGlkcyNsLmNvbS9sZWdhbDAsBggr
BgEFBQcCAjAgDB5odHRwczovL3d3dy5yYXBpZHNzcC5jb20vbnVwYm53Y29uc3VsdGluZy5jb20u
BBgwFoAUI8InUJ7CyewMIDLifK3ipgFP2m8WdGyDVR0PAQH/BAQDAgWgMB0GA1Ud
JQQWMBQGCCsGAQUFBwMBBggrBgEFBQcDAjBxBggrBgEFBQcBAQRLMEkwHwYIKwYB
BQUHMAAGE2h0dHA6Ly9ncC5zeW1jZC5jb20wLjE5bWkGA1UdHwQkMCiWKAeoByGGmh0dHA6Ly9n
cC5zeW1jYi5jb20vZ3AuY3JsMG8GA1UdIARoMGYwZAYGZ4EMAQIBFow
K3oNT6Ygi4GtgWhwfi6OnQHvXliNPRHEzbsvswAAAFUJANcvgAABAMARjBEAiAt
iMuxn+d2Mu6hyZ/d9BN3xDNDNYy5e4g1ZhNeOp2FEglgNx4D4h+zSstv71nL9RE9
2d1pud9euUulPnmMjZtf8n4AdQCkuQmQtBhYfIe7E6LMZ3AKPDWYBPKb37jJd800
yA3cEAAAAVQkA1ZyAAAEAwBGMEQCIEsG7gGMQZeX50TH9LX/OiHOKYjR/Qc6or2C
y3Wurl5YAIBQoQrJ5uN7M68e8iOCWma85bF2k9bEI+Y1v5VfNH3sjANBgkqhkiG
9w0BAQsFAAOCAQEAFxvEBvOTR/rIDveMSxmjiHEqQxLuAa8yX2cjYTemsl7syHyUP
uSxiq31AccwMEN9O1mRsjzWOI1OHSL4HPkrSctfddc5p2KUohzyRn8jWN/c9w4tK
FIQOUsmM+pWiLoPoTn2Nxl6+fuJb7is/iEbUDcOcwBjUrDqTiHXx6xnl09h/dLK
hOC3iriWa705eAgey+LOswIVFcVB1AOH4vEWKtnqNCoe9gysFL/8W9I3AjuWjd9
M9cm00sSL0ki89LTMbjIMbpzOUkXcwObGjQkckOgkQqDD3zOpYPBMm6lUmd4qRUJN
rt06BvvNih/xef8ry9ORMFVb/X/k0n2WuVclng==
```

-----END CERTIFICATE-----

-----BEGIN CERTIFICATE-----

```
Directory of C:\Program Files\Splunk\etc\auth\mycerts
17/04/2016 09:39 PM <DIR> .
17/04/2016 09:39 PM <DIR> ..
17/04/2016 09:19 PM 1,171 mySplunkWebCert.csr
17/04/2016 09:17 PM 1,675 mySplunkWebPrivateKey.key
17/04/2016 09:39 PM 2,012 mySplunkWebSert.pem
3 File(s) 4,858 bytes
2 Dir(s) 125,044,826,112 bytes free

C:\Program Files\Splunk\etc\auth\mycerts>
```

Save the intermediate cert as myCA

Figure 1

-----BEGIN CERTIFICATE-----
MIIE TTCCAzWgAwIBAgIDAJpxMAOGCSqGSIb3DQEB CwUAMEIxCzAJBgNVBAYTA lVTMRYwFAYDVQQK
Ew1H ZW9UcnVzdCBJbmMuMRswGQYDVQQDEJH ZW9UcnVzdCBHbG9iYWwgQ0EwHhcNM TMxMjExMjMO
NTUxWhcNMjJlWnTlWmJjMONTUxWjBCMQswCQYDVQQGEWJVUzEWMBQGA1UEChMNR2VvVHJ1c3QgSW5j
LjE bMBkGA1UEAxMSUmFwaWRTU0wG UOhBMjU2IENBMIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIB
CgKCAQE Au1jBEgEul9h9GKrlwuWF4hdsYC7JjTEFORoGmFbdVNCrJFlbPbFURkshhTIWX1SG5tmx
2GCJa1i+ctqgAEJ2sSdZTM3jutRc2aZ/uyt11UZEveXAXFm33VmF8Wr3BvzWLxmKIRK6msrVMNI4
/Bk7WxU7NtBDTDfDlodSLwWBBs9ZwF8w5wJwMoD23ESJOzmpetlqYpygC04q18NhWoXdXBC5VDot
A/hJ8Lyst7ecMcfpuKqCCwW5McOIW7siC/acjopVHHZDdvDibvDfqCl158ikh4tq8bslyTYYZe5Q
Q7hdctUoOeFTPiUs2itP3YqeUFDgb5rE1RkmiQF1cwmbOwIDAQABo4IBSJCCAUYwHwYDVR0JBbgw
FoAUwHqYal2J+6sFZAwRfap9ZbjKzE4wHQYDVR0OBBYEFJfC1CewsnsDlgyyHyt4qYBT9pvMBIG
A1UdEwEB/wQIMAYBAf8CAQAwDgYDVR0P AQH/BAQDAgEGMDYGA1UdHwQvMC0wK6ApoCeGJWh0dHA6
Ly9nMS5zeW1jYi5jb20vY3Jscy9ndGdsb2JhbC5jcmwwLwYIKwYBBQUHAQEElzAhMB8GCCsGAQUF
BzABhhNodHRwOi8vZzluc3ltY2luY29tMEwGA1UdIARFMEMwQQYKYIZIAyb4RQEHNjAzMDEGCCsG
AQUFBwIBFiVodHRwOi8vd3d3Lmdl b3RydXN0LmNvb5S9yZXNvdXJjZXNvY3BzMcGA1UdEQQIMCCk
HjACMR0wGAYDVQQDEXFtEw1hbnRlY1BLSS0xLTU2OTANBgkqhkiG9w0BAQsFAAOCAQEANevhiyBW
llp6vXmp9pU+ bji0MQsQZj1hWID59xzqX2nVeRQb6vrsYPJ5zQoMYlPOTKOTkQDwUX/N6fmS/Zar
RfViPT9gRIATPSATGC6URq7Vf5Dockj/PEvXrYrDrK3 maXI67T30pNcx9vKtARBBZQAov5jUOB
8FChH6bKovMoPF9RrNcKRXdLDlJiG9g4UaCSLT+Qbsh+QJ8gRhVd4FB84XavXu0R0y8TubglPK9Y
Ca81tGJUheNI3rzSkHp6pIQNo0LyUcDURVNIXWz4Px8G8k/LI6BKWcZ40egDuYVtLLrhX7atKz4I
ecWLvtXjCYDqwsfC2Q7sRwrp0Mr82A==
-----END CERTIFICATE-----

-----END CERTIFICATE-----

```

Directory of C:\Program Files\Splunk\etc\auth\mycerts

17/04/2016  09:40 PM    <DIR>          .
17/04/2016  09:40 PM    <DIR>          ..
17/04/2016  09:40 PM                1,574 myCACert.pem
17/04/2016  09:19 PM                1,171 mySplunkWebCert.csr
17/04/2016  09:17 PM                1,675 mySplunkWebPrivateKey.key
17/04/2016  09:39 PM                2,012 mySplunkWebSert.pem
               4 File(s)                6,432 bytes
               2 Dir(s) 125,044,740,096 bytes free

C:\Program Files\Splunk\etc\auth\mycerts>

```

Copy mySplunkWebCert.pem+myCACert.pem+mySplunkWebPrivateKey.key mySplunkServerCertificate

Copy the CA ROOT (download this from the CA) to CACert.pem (this is different from myCACert.pem which is actually the intermediate we got from the above"

```
Directory of C:\Program Files\Splunk\etc\auth\mycerts
18/12/2015 04:19 PM          1,234 myCACertificate.pem
17/04/2016 09:17 PM          1,675 mySplunkWebPrivateKey.key
17/04/2016 09:19 PM          1,171 mySplunkWebCert.csr
17/04/2016 09:39 PM          2,012 mySplunkWebSert.pem
17/04/2016 09:40 PM          1,574 myCACert.pem
17/04/2016 10:16 PM          2,012 mySplunkWebCert.pem
17/04/2016 10:41 PM          5,263 mySplunkServerCertificate.pem
17/04/2016 10:43 PM      <DIR>          .
17/04/2016 10:43 PM      <DIR>          .
17/04/2016 10:45 PM          5,262 1.txt
```

Edit

local\server.conf

[sslConfig]

caCertFile = myCACertificate.pem

caPath = \$SPLUNK_HOME\etc\auth\mycerts

sslKeysfile = mySplunkServerCertificate.pem

sslKeysfilePassword = \$1\$IM4bAMo=