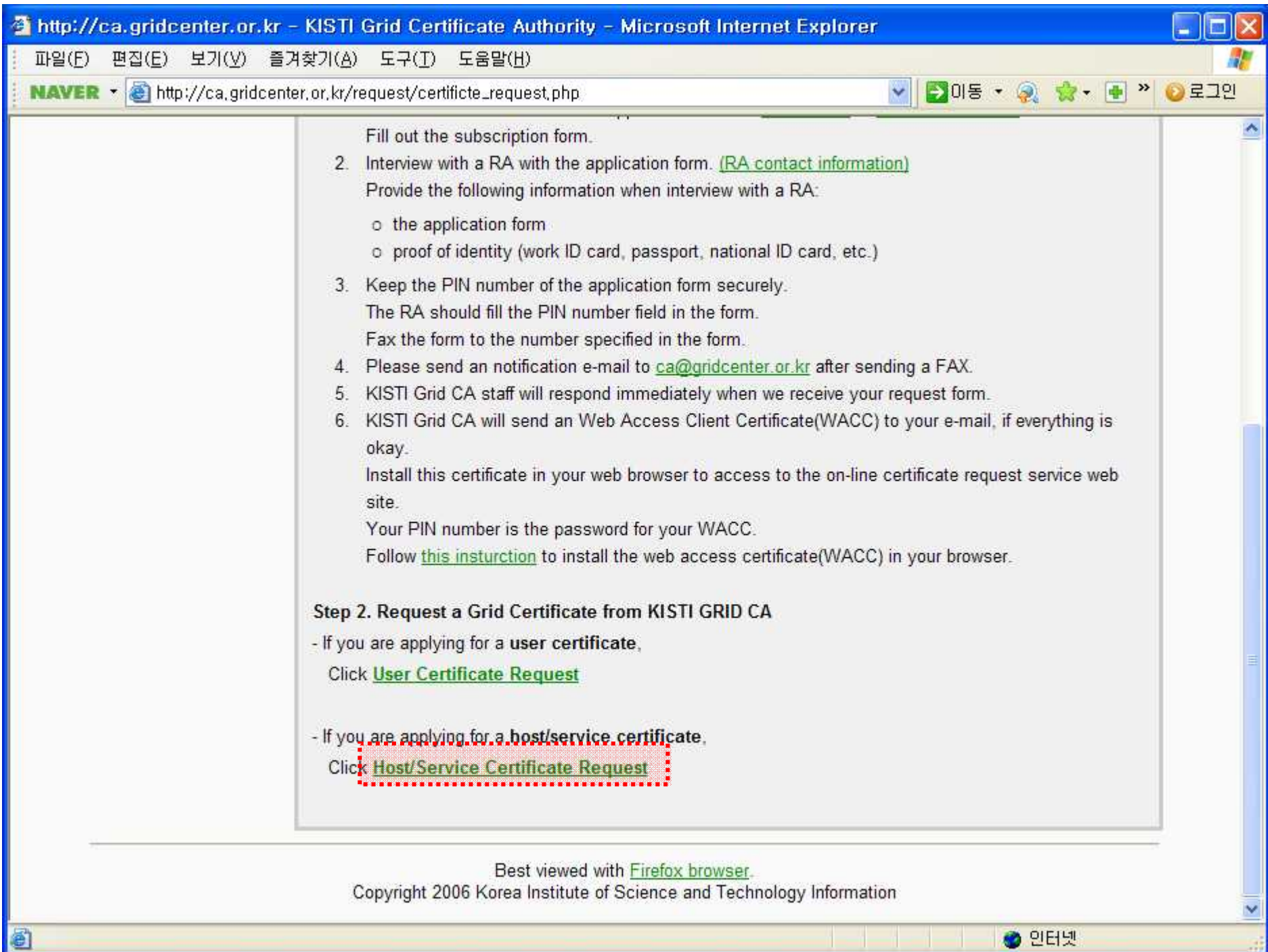


호스트 인증서 신청 방법

How to Request Host Certificate

2007.10.01





KISTI Grid Certificate Authority

- Home
- CA Certificates
- Documents
 - CP/CPS
 - Minimum CA Requirement
- Request Certificates
- Issued Certificates
- Contact Information
- Related Sites
- KISTI CA(old site)

Instruction for requesting an Host or Service Certificate

By requesting a certificate, you indicate that you accept the [Certificate Policy and Certificate Practice Statement](#) and that you agree to the [Subscriber Obligation](#) specified in the document.

Step 1. Enroll KISTI CA

Before requesting user certificate from KISTI GRID CA, you are required to enroll KISTI GRID CA.

Step 2. On-line Certificate Request

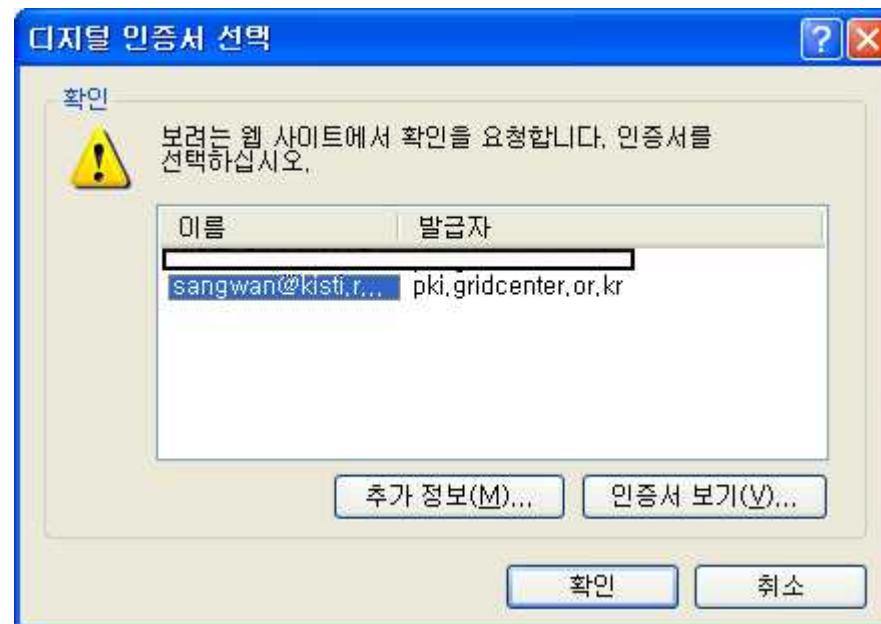
[Click here to request service or host certificate in the Online Request Service.](#)

If you don't have a WACC in your browser, the access to the web page is not permitted.

Best viewed with [Firefox browser](#).

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WACC 인증서를 이용하여 Online Request Service 에 접속합니다.



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NAVER https://pki.gridcenter.or.kr:4443/subscriber/request_host_cert.php 이동 로그인

KISTI Grid Certificate Authority

- Home
- Request Certificate
- My CSR List
- KISTI CA Home

Request Host Certificate

Step 1. Generate a CSR for your host.

Step 2. Upload the CSR using the following form.

Country:	KR
Organization:	KISTI
Organization:	GRID
Organization:	<input type="text"/>
Host FQDN:	<input type="text"/> (max. 30 characters) e.g) hostname.example.co.kr
CSR:	<div>Copy and paste your CSR block below: <div>CSR을 생성하여 입력하는 부분입니다.</div></div>

Upload CSR

기관을 선택하고 Host FQDN을 입력합니다.

CSR을 생성하여 입력하는 부분입니다.

OpenSSL을 이용한 CSR 생성방법

RSA 1024 비트키로 DES로 암호화 하지 않습니다.

```
openssl req W  
-new -sha1 -newkey rsa:1024 -nodes W  
-keyout hostkey.pem W  
-out hostcert_request.pem W  
-subj "/C=KR/O=KISTI/O=GRID/O=ORGANIZATION/CN=hostW/grid.example.com"
```

KISTI CA가 발급하는 인증서에 공통적 입니다.

신청자 본인의 기관명과 호스트명으로 바꾸십시오.

globus 소프트웨어의 경우 호스트 인증서는 'host/' 가 호스트명 앞에 붙습니다.

성공적으로 실행이되면 hostkey.pem 와 hostcert_request.pem 파일이 생성됩니다.

OpenSSL을 이용한 CSR 생성방법

예를 들어 KISTI 사용자가 test.kisti.re.kr 라는 호스트의 호스트인증서를 신청할 때

```
openssl req W  
-new -sha1 -newkey rsa:1024 -nodes W  
-keyout hostkey.pem W  
-out hostcert_request.pem W  
-subj "/C=KR/O=KISTI/O=GRID/O=KISTI/CN=hostW/test.kisti.re.kr"
```

성공적으로 실행이되면 hostkey.pem 와 hostcert_request.pem 파일이 생성됩니다.
hostkey.pem 파일은 인증서와 쌍을 이루는 개인키 정보를 담고 있으므로,
잘 보관하시기 바랍니다.

생성된 CSR을 확인합니다.

```
openssl req -in hostcert_request.pem -text -noout
```

```
Certificate Request:
Data:
  Version: 0 (0x0)
  Subject: C=KR, O=KISTI, O=GRID, O=KISTI, CN=host/test.kisti.re.kr
  Subject Public Key Info:
    Public Key Algorithm: rsaEncryption
    RSA Public Key: (1024 bit)
      Modulus (1024 bit):
        00:c0:c0:8a:0d:90:3d:f2:df:d1:a3:2d:0e:79:cf:
        27:10:1e:9c:ab:6c:e6:cb:d7:55:3e:9d:2e:a0:88:
        73:6a:e9:76:cc:03:6c:a1:22:67:da:30:12:3d:98:
        9a:20:7e:8a:ae:68:f6:25:ab:60:7d:99:4f:4a:d8:
        d2:c4:77:70:d0:9a:5b:aa:7b:6b:2b:a2:48:74:54:
        b4:a3:a1:fc:b6:3d:0a:df:95:4b:ae:e8:80:0a:8f:
        9d:76:f5:91:83:21:0b:10:1d:b9:27:5c:af:63:81:
        b0:fe:3a:f4:f1:8f:1d:3a:07:34:cf:42:08:4b:52:
        03:41:2d:51:d0:1e:2c:36:cb
      Exponent: 65537 (0x10001)
  Attributes:
    a0:00
  Signature Algorithm: sha1WithRSAEncryption
    b0:bd:15:d6:69:6d:36:72:ce:55:41:dd:21:da:dc:03:8b:2e:
    d3:21:82:11:e5:e2:3c:04:2e:47:57:bf:3f:cb:75:e3:6d:8f:
    c4:98:fd:3a:79:ac:62:f9:cc:23:a0:f8:a4:35:51:eb:c3:10:
    93:a3:65:06:69:cc:1a:ed:ce:ea:4a:17:58:ee:b7:cc:93:5b:
    be:6c:7b:d5:2d:d0:43:9a:a3:45:c8:30:07:b1:90:2e:f8:6d:
    5f:c2:5b:83:e0:d7:c4:e8:6c:74:df:64:cd:41:d5:4f:09:e3:
    21:e6:d3:53:bf:62:77:3c:30:cf:0c:1b:03:ad:c2:9c:c9:55:
    cc:a6
```

CSR의 subject를 확인하십시오.

RSA 키 사이즈를 확인하십시오.

생성된 CSR에 문제가 없다면,
앞 단계에서 홈페이지 입력 폼에 CSR 정보를 입력합니다.

hostcert_request.pem 파일의 내용을 복사해 두십시오.

```
5f:c2:5b:83:e0:d7:c4:e8:6c:74:df:64:cd:41:d5:4f:09:e3:
21:e6:d3:53:bf:62:77:3c:30:cf:0c:1b:03:ad:c2:9c:c9:55:
cc:a6
[sangwan@gridnew ~/x]$ more hostcert_request.pem
-----BEGIN CERTIFICATE REQUEST-----
MIIBnDCCAQUCAQAwxDELMAkGA1UEBhMCN1IxDjAMBGNVBAoTBUTJU1RJMQUwCwYD
VQQKEwRHUk1EMQ4wDAYDVQQKEwVLSUNUSTEeMBwGA1UEAxMVaG9zdC90ZXN0Lmtp
c3RpLnJlLmtyMIGfMA0GCSqGSIb3DQEBAQUAA4GNADCBiQKBgQDAwIoNkD3y39Gj
LQ55zycQHpyrb0bL11U+nS6giHNq6XbMA2yhImFaMBI9mJogFoquaPY1q2B9mU9K
2NLEd3DQmLuqe2srokh0VLSjofy2PQrf1Uuu6IAKj5129ZGDIQsQHbknXK9jgbD+
0vTxjx06BzTPQghLUgNBLVHQHiw2ywIDAQABoAAwDQYJKoZIhvcNAQEFBQADgYEA
sL0U1m1tNnLOVUHDIdrcA4su0yGCEeXiPAQuR1e/P8t1422PxJj90nmsYvnMI6D4
pDUR68MQk6N1BmnMGU306koXW063zJNbvmx71S3QQ5qjRcgwB7GQLvhtX8Jbg+DX
x0hsdN9kzUHVUtnjIebTU79idzwwzwba63CnM1UzKY=
-----END CERTIFICATE REQUEST-----
[sangwan@gridnew ~/x]$
```




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KISTI Grid Certificate Authority

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My Certificate Signing Request List

ID	Type	Form Information	Date	Status	View
1	user	O=KISTI CN=80864141 Sangwan Kim	2007-07-21 15:44:39	issued	[show] / [hide]
14	host	O=KISTI CN=test.kisti.re.kr	2007-10-02 11:25:03	upload	[show] / [hide]

신청하신 CSR 목록은 왼쪽 메뉴 My CSR List 를 보시면 됩니다.

KISTI Grid Certificate Authority

인터넷

