



## **Universal Certificate 6.7.x**

### **Quick Reference Guide**

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# Universal Certificate 6.7.x Quick Reference Guide

## Usage

ucert CMD [OPTIONS...]

## Format

There is a long form and, for most options, a short form available for specifying each option on the command line. The long form is not case-sensitive; the short form is case-sensitive.

Options must be prefixed with a dash ( - ) character. If an option value is specified, the option and its value must be separated by at least one space.

### CMD {-create | -revoke | -print | -verify | -help | -version}

Long Form	Short Form	Description
-create <i>object</i>	-c <i>object</i>	Universal Certificate is to create a certificate, certificate request, certificate revocation list (CRL), or transport file.
-revoke <i>object</i>	n/a	Universal Certificate is to revoke a certificate.
-print <i>object</i>	-p <i>object</i>	Universal Certificate is to print a certificate, certificate request, certificate revocation list (CRL), or transport file.
-verify <i>object</i>	n/a	Universal Certificate is to verify a certificate.
-help	-h	Writes a description of the command line options and their format.
-version	-v	Writes the program version and copyright information.

**OPTIONS** [-ca] [-ca\_cert] [-ca\_cert\_file] [-cert\_db] [-cert\_file] [-cert\_format] [-codepage] [-common\_name] [-country] [-crl\_file] [-crl\_format] [-dns\_name] [-email\_address] [-encryptedfile] [-file] [-ip\_address] [-key] [-key\_size] [-level] [-locality] [-next\_update\_days] [-next\_update\_hours] [-nls] [-not\_after\_date] [-not\_before\_date] [-organization] [-organizational\_unit] [-private\_key\_file] [-private\_key\_format] [-private\_key\_infile] [-private\_key\_pwd] [-request\_file] [-request\_format] [-revoke\_reason] [-serial\_number] [-state] [-transport\_file] [-transport\_file\_pwd]

Long Form	Short Form	Description
-ca <i>option</i>	n/a	Specification for whether or not the certificate should be marked as a Certificate Authority certificate.
-ca_cert <i>format</i>	-A <i>format</i>	Format of the CA certificate file specified by -ca_cert_file.
		File from which the CA certificate is read or file to which the CA certificate is

<code>-ca_cert_file file</code>	<code>-a file</code>	written.
<code>-cert_db file</code>	n/a	Name of the certificate database.
<code>-cert_file file</code>	<code>-d file</code>	File from which the certificate is read or file to which the certificate is written.
<code>-cert_format format</code>	<code>-D format</code>	Format of the certificate file specified by <code>-cert_file</code> .
<code>-codepage codepage</code>	<code>-t codepage</code>	Character code page used to translate text data.
<code>-common_name name</code>	n/a	Common name of the <b>subject</b> field of a certificate.
<code>-country name</code>	n/a	Country name of the <b>subject</b> field of a certificate.
<code>-crl_file file</code>	n/a	File to which the Certificate Revocation List (CRL) is written.
<code>-crl_format format</code>	n/a	Format of the CRL file specified by <code>-crl_file</code> .
<code>-dns_name name</code>	n/a	Domain Name System (DNS) name of the computer system identified by the certificate.
<code>-email_address name</code>	n/a	E-mail address of the entity identified by the certificate.
<code>-encryptedfile filename</code>	<code>-x filename</code>	Name of an encrypted command file.
<code>-file filename</code>	<code>-f filename</code>	Name of a plain text command file.
<code>-ip_address name</code>	n/a	Internet Protocol (IP) address of the computer system identified by the certificate.
<code>-key key</code>	<code>-K key</code>	Key used to encrypt the command file.
<code>-key_size size</code>	<code>-s size</code>	Key size of the RSA public / private keys.
<code>-level level</code>	<code>-l level</code>	Level of messages to write.
<code>-locality name</code>	n/a	Locality name of the <b>subject</b> field of a certificate.
<code>-next_update_days days</code>	n/a	Number of days to the next CRL update.
<code>-next_update_hours hours</code>	n/a	Number of hours to the next CRL update.
<code>-nls_directory</code>	n/a	Name of the directory where the code page UTT files are located.
<code>-not_after_date date</code>	n/a	Last day for which the certificate is considered valid.
<code>-not_before_date date</code>	n/a	First day for which the certificate is considered valid.

-organization <i>name</i>	n/a	Organization name of the <b>subject</b> field of a certificate.
-organizational_unit <i>name</i>	n/a	Organization unit name of the <b>subject</b> field of a certificate.
-private_key_file <i>file</i>	-e <i>file</i>	File from which the RSA private key is read or file to which the RSA private key is read.
-private_key_format <i>format</i>	-E <i>format</i>	Format of the private key file specified by -private_key_file.
-private_key_infile <i>file</i>	-i <i>file</i>	File from which an RSA private key is read.
-private_key_pwd <i>password</i>	-w <i>password</i>	Private key password that is used to read and write the private key file specified by -private_key_file.
-request_file <i>file</i>	-r <i>file</i>	File from which the certificate request is read or file to which the certificate request is written.
-request_format <i>format</i>	-R <i>format</i>	Format of the certificate request file specified by -request_file.
-revoke_reason <i>reason</i>	n/a	Reason that a certificate is being revoked.
-serial_number <i>number</i>	n/a	Unique serial number to be assigned to the created certificate.
-state <i>name</i>	n/a	State name of the <b>subject</b> field of a certificate.
-transport_file <i>file</i>	n/a	File from which the certificate and private key is read or file to which the certificate and private key is written.
-transport_file_pwd <i>password</i>	n/a	Password used to protect the transport file specified by -transport_file.

### Create a Certificate Request

```
-create request -request_file [-request_format] -private_key_file [-private_key_format] [-private_key_pwd] [-key_size] [-country] [-state] [-locality]
[-organization] [-organizational_unit]
[-common_name] { [-dns_name] | [-ip_address] } [-email_address]
```

### Create a Certificate from a Certificate Request

```
-create cert -request_file [-request_format] -cert_file [-cert_format] -private_key_file [-private_key_format] -private_key_infile [-private_key_format]
[-private_key_pwd]

-ca_cert_file [-ca_cert_format] [-serial_number] [-not_before_date] [-not_after_date] [-ca] [-cert_db]
```

### Create a Certificate from a Transport File

```
-create cert -transport_file [-transport_file_pwd] -cert_file [-cert_format] [-private_key_file [-private_key_format] ] -private_key_infile
[-private_key_format] [-ca_cert_file file [-ca_cert_format] ]
```

### Create a Certificate Revocation List

-create *crl* -crl\_file [-crl\_format] -ca\_cert\_file [-ca\_cert\_format] -private\_key\_file [-private\_key\_format] -private\_key\_infile [-private\_key\_format] [-private\_key\_pwd]

-next\_update\_days -next\_update\_hours [-cert\_db]

### **Create a Transport File**

-create *transport* -transport\_file [-transport\_file\_pwd] -cert\_file [-cert\_format] -private\_key\_file [-private\_key\_format] -private\_key\_infile [-private\_key\_format]

[-private\_key\_pwd] [-ca\_cert\_file [-ca\_cert\_format] ]

### **Print a Certificate Request**

-print *request* -request\_file [-request\_format]

### **Print a Certificate**

-print *cert* -cert\_file [-cert\_format]

### **Print a Certificate Revocation List**

-print *crl* -crl\_file [-crl\_format]

### **Print a Transport File**

-print *transport* -transport\_file [-transport\_file\_pwd]

### **Revoke a Certificate**

-revoke *cert* [-revoke\_reason] -cert\_file [-cert\_format] [-cert\_db]

### **Verify a Certificate**

-verify *cert* -cert\_file [-cert\_format] -ca\_cert\_file [-ca\_cert\_format] [-crl\_file [-crl\_format] ]