

# **Universal Certificate 7.8.x Quick Reference Guide**

Universal Agent 7.8.x

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# 1 Usage

ucert CMD [OPTIONS...]

## 2 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.

### 2.1 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.

### 2.2 OPTIONS [-ca] [-ca\_cert] [-ca\_cert\_file] [-cert\_db] [-cert\_file] [-cert\_format] [-codepage] [-common\_name] [-country] [-crl\_file] [-crl\_format] [-dns\_name] [-elliptic\_curve] [-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] [-private\_key\_type] [-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.

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

Long Form	Short Form	Description
-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.
-private_key_type <i>type</i>	-y <i>type</i>	Type of private key to generate during the certificate request process.
-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.

## 2.3 Create a Certificate Request

-create *request* -request\_file [-request\_format] -private\_key\_file [-private\_key\_format] [-private\_key\_pwd] [-private\_key\_type] [-key\_size] [-elliptic\_curve] [-country] [-state] [-locality] [-organization] [-organizational\_unit] [-common\_name] { [-dns\_name] | [-ip\_address] } [-email\_address]

## 2.4 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]

## 2.5 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] ]

## 2.6 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]`

## 2.7 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]]`

## 2.8 Print a Certificate Request

`-print request -request_file [-request_format]`

## 2.9 Print a Certificate

`-print cert -cert_file [-cert_format]`

## 2.10 Print a Certificate Revocation List

`-print crl -crl_file [-crl_format]`

## 2.11 Print a Transport File

`-print transport -transport_file [-transport_file_pwd]`

## 2.12 Revoke a Certificate

`-revoke cert [-revoke_reason] -cert_file [-cert_format] [-cert_db]`

## 2.13 Verify a Certificate

```
-verify cert [-cert_file [-cert_format] -ca_cert_file [-ca_cert_format] [-crl_file [-crl_format] ]
```