

Universal Certificate 7.5.x Quick Reference Guide

Universal Agent 7.5.x

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Table of Contents

| | | |
|------|---|---|
| 1 | Usage | 4 |
| 2 | Format | 5 |
| 2.1 | CMD {-create -revoke -print -verify -help -version} | 5 |
| 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] | 5 |
| 2.3 | Create a Certificate Request | 7 |
| 2.4 | Create a Certificate from a Certificate Request | 7 |
| 2.5 | Create a Certificate from a Transport File | 7 |
| 2.6 | Create a Certificate Revocation List | 8 |
| 2.7 | Create a Transport File | 8 |
| 2.8 | Print a Certificate Request | 8 |
| 2.9 | Print a Certificate | 8 |
| 2.10 | Print a Certificate Revocation List | 8 |
| 2.11 | Print a Transport File | 8 |
| 2.12 | Revoke a Certificate | 8 |
| 2.13 | Verify a Certificate | 9 |

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. |
| -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. |

| Long Form | Short Form | Description |
|-----------------------------------|--------------------|---|
| -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 subject field of a certificate. |
| -country <i>name</i> | n/a | Country name of the subject 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 subject 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 subject field of a certificate. |
| -organizational_unit <i>name</i> | n/a | Organization unit name of the subject 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. |

| Long Form | Short Form | Description |
|-------------------------------------|--------------------|--|
| -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 subject 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] [-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]]]
```