



stonebranch

Universal Agent 7.4.x

Universal Certificate 7.4.x Quick Reference Guide

© 2023 by Stonebranch, Inc. All Rights Reserved.

Universal Certificate 7.4.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] [-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.
-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) addresss of he 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.
-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>passwd</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] [-private_key_type] [-key_size] [-elliptic_curve] [-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]]