

# Certutil

Updated: April 28, 2011

Applies To: Windows Server 2008

Certutil.exe is a command-line program that is installed as part of Certificate Services. You can use Certutil.exe to dump and display certification authority (CA) configuration information, configure Certificate Services, back up and restore CA components, and verify certificates, key pairs, and certificate chains.

For examples of how to use this command, see [Certutil tasks for managing certificates](#)<sup>1</sup>.

## Syntax

```
Certutil <-parameter> [-parameter]
```

## Parameters

Parameters	Description
-dump	Dump configuration information or files
-asn	Parse ASN.1 file
-decodehex	Decode hexadecimal-encoded file
-decode	Decode a Base64-encoded file
-encode	Encode a file to Base64

<code>-deny</code>	Deny a pending certificate request
<code>-resubmit</code>	Resubmit a pending certificate request
<code>-setattributes</code>	Set attributes for a pending certificate request
<code>-setextension</code>	Set an extension for a pending certificate request
<code>-revoke</code>	Revoke a certificate
<code>-isvalid</code>	Display the disposition of the current certificate
<code>-getconfig</code>	Get the default configuration string
<code>-ping</code>	Attempt to contact the Active Directory Certificate Services Request interface
<code>-pingadmin</code>	Attempt to contact the Active Directory Certificate Services Admin interface
<code>-CAInfo</code>	Display information about the certification authority
	Retrieve the certificate for the certification authority

-ca.cert	
-ca.chain	Retrieve the certificate chain for the certification authority
-GetCRL	Get a certificate revocation list (CRL)
-CRL	Publish new certificate revocation lists (CRLs) [or only delta CRLs]
-shutdown	Shutdown Active Directory Certificate Services
-installCert	Install a certification authority certificate
-renewCert	Renew a certification authority certificate
-schema	Dump the schema for the certificate
-view	Dump the certificate view
-db	Dump the raw database
-deleterow	Delete a row from the server database

-back up	Backup Active Directory Certificate Services
-backupDB	Backup the Active Directory Certificate Services database
-backupKey	Backup the Active Directory Certificate Services certificate and private key
-restore	Restore Active Directory Certificate Services
-restoreDB	Restore the Active Directory Certificate Services database
-restoreKey	Restore the Active Directory Certificate Services certificate and private key
-dynamicfilelist	Display a dynamic file list
-databaselocation	Display database locations
-hashfile	Generate and display a cryptographic hash over a file
-store	Dump the certificate store
	Add a certificate to the store

-addstore	
-delstore	Delete a certificate from the store
-verifystore	Verify a certificate in the store
-repairstore	Repair a key association or update certificate properties or the key security descriptor
-viewstore	Dump the certificates store
-viewdelstore	Delete a certificate from the store
-dsPublish	Publish a certificate or certificate revocation list (CRL) to Active Directory
-Template	Display certificate templates
-TemplateCAs	Display the certification authorities (CAs) for a certificate template
-CATemplates	Display the certificate templates for a certification authority (CA)
-InstallDefaultTemplates	Install default certificate templates

-URLCache	Display or delete URL cache entries
-pulse	Pulse auto enrollment events
-MachineInfo	Display information about the Active Directory machine object
-DCInfo	Display information about the domain controller
-EntInfo	Display information about an enterprise CA
-TCAInfo	Display information about the CA
-SCInfo	Display information about the smart card
-SCRoots	Manage smart card root certificates
-verifykeys	Verify a public or private key set
-verify	Verify a certificate, certificate revocation list (CRL), or certificate chain
	Re-sign a certificate revocation list (CRL) or certificate

-sign	
-vroot	Create or delete web virtual roots and file shares
-vocsproot	Create or delete web virtual roots for an OCSP web proxy
-oid	Display the object identifier or set a display name
-error	Display the message text associated with an error code
-getreg	Display a registry value
-setreg	Set a registry value
-delreg	Delete a registry value
-ImportKMS	Import user keys and certificates into the server database for key archival
-ImportCert	Import a certificate file into the database
-GetKey	Retrieve an archived private key recovery blob

-RecoverKey	Recover an archived private key
-MergePFX	Merge PFX files
-ConvertEPF	Convert a PFX file into an EPF file

## See Also

### Reference

[Certutil tasks for managing certificates<sup>2</sup>](#)

### Links Table

<sup>1</sup>[http://technet.microsoft.com/en-us/library/cc772898\(WS.10\).aspx](http://technet.microsoft.com/en-us/library/cc772898(WS.10).aspx)

<sup>2</sup>[http://technet.microsoft.com/en-us/library/\(v=ws.10\)](http://technet.microsoft.com/en-us/library/(v=ws.10))

### Community Content

#### Examples

An overview of certutil is available here:

[http://technet.microsoft.com/en-us/library/cc772898\(WS.10\).aspx](http://technet.microsoft.com/en-us/library/cc772898(WS.10).aspx)

3/29/2010

[ahosie](#)



#### Please add some examples (as claimed)

Description above states:

"For examples of how to use this command, see Examples."

Where?

2/17/2010

[Drewfus](#)





**what examples ?**

it opens the GUI everytime i run it.

1/15/2010  
davidj411



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