

# **Universal Control 7.7.x Quick Reference Guide**

Universal Agent 7.7.x

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# 1 Usage

1.1 `uctl COMMAND HOST [LOCAL] [USER] [OPTIONS...]`

1.2 `uctl {-help|-version}`

## 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 COMMAND { -start | -stop | -refresh } [-file | -encryptedfile [-key] ]

Long Form	Short Form	Description
-start <i>compname</i>	n/a	Name of the component that is to be started.
-stop <i>compid</i>	-s <i>compid</i>	ID of the component that is to be terminated.
-refresh [ <i>compname</i> ]	-R [ <i>compname</i> ]	Name of the component to be refreshed. If no <i>compname</i> is specified, send a REFRESH command to a Universal Broker to instruct it to re-read its configuration parameters and re-read its component definitions.
-file <i>file</i>	-f <i>file</i>	Name of a file from which UCTL options are read.
-encryptedfile <i>file</i>	-x <i>file</i>	Name of an encrypted file from which UCTL options are read. Encrypted UCTL option files are creating using Universal Encrypt.
-key <i>key</i>	-K <i>key</i>	Key that was passed to Universal Encrypt when the UCTL option file was encrypted.

### 2.2 HOST -host [-port] [-hostname\_retry\_count] [-outboundip]

Long Form	Short Form	Description
-host <i>hostaddress</i>	-i <i>hostaddress</i>	Host network address in dotted form (1.2.3.4) or a host domain name.
-port <i>port</i>	-p <i>port</i>	Host port number on which Universal Broker is listening. Default is the Universal Broker default.
-hostname_retry_count <i>count</i>	n/a	Number of attempts to resolve the host name.
-outboundip <i>host</i>	n/a	Host network address to bind to for all outbound connections. <i>host</i> format is dotted form (1.2.3.4) or a host domain name.

### 2.3 LOCAL [-bif\_directory] [-plf\_directory] [-system\_id]

Long Form	Short Form	Description
-bif_directory <i>directory</i> <sup>U</sup>	n/a	Broker Interface File (BIF) directory where the Universal Broker interface file is located.
-plf_directory <i>directory</i> <sup>U</sup>	n/a	Program Lock File (PLF) directory where the program lock files are located.
-system_id <i>ID</i> <sup>Z</sup>	n/a	Local Universal Broker with which the UCMD Manager must register before the Manager performs any request.
<sup>U</sup> Available for use on UNIX operating systems only. <sup>Z</sup> Available for use on z/OS operating systems only.		

## 2.4 USER [-userid [-password] ]

Long Form	Short Form	Description
-userid <i>user</i>	-u <i>user</i>	Remote user ID with which the command runs.
-pwd <i>password</i>	-w <i>password</i>	Remote user ID's password.

## 2.5 OPTIONS [ {-help | -version} | [-cmdid] [-crl] [-lang] [-level] [-delay] [-codepage] [-ctl\_ssl\_cipher\_list] [-default\_cipher] [-cert -private\_key [-private\_key\_pwd] ] [saf\_key\_ring [-saf\_key\_ring\_label] ] [-ssl\_implementation] [-ca\_certs [-verify\_host\_name] [-verify\_serial\_number] ]

Long Form	Short Form	Description
-ca_certs <i>file</i>	n/a	Name of a PEM-formatted file containing the X.509 certificates for trusted Certificate Authorities (CAs).
-cert <i>file</i>	n/a	Name of a PEM-formatted file containing an X.509 certificate used to identify UCMD to the Broker.
-cmdid <i>id</i>	-C <i>id</i>	Identity of the started component.
-codepage <codepage>	-t <codepage>	Code page used to translate text on the local host.
-crl <i>file / ddname</i>	n/a	File name / ddname of the PEM-formatted file containing the Certificate Revocation List (CRL) issued by the trusted Certificate Authority.

Long Form	Short Form	Description
-ctl_ssl_cipher_list <i>ciphers</i>	n/a	SSL/TLS cipher suites (one or more, in their preferred order) for control SSL/TLS connections. <i>ciphers</i> is a comma-separated list of cipher suite names.  Valid values are AES256-GCM-SHA384,AES256-SHA,AES128-GCM-SHA256,AES128-SHA,ECDHE-RSA-AES256-GCM-SHA384,ECDHE-ECDSA-AES256-GCM-SHA384,ECDHE-RSA-AES128-GCM-SHA256,ECDHE-ECDSA-AES128-GCM-SHA256,RC4-SHA,RC4-MD5,DES-CBC3-SHA.
-delay <i>seconds</i>	-d <i>seconds</i>	Maximum delay for transmitting data that may be expected due to network conditions.
-help	-h	Write help file.
-lang <i>language</i>	-L <i>language</i>	Message and text language.
-level <i>level</i>	-l <i>level</i>	Message level: error, warn, info, audit, or trace.
-private_key <i>file</i>	n/a	Name of a PEM-formatted file containing the RSA private key corresponding to the X.509 certificate specified by <b>-cert</b> .
-private_key_pwd <i>password</i>	n/a	Password for the private key file specified by <b>-private_key</b> .
-saf_key_ring <i>name</i>	n/a	SAF (RACF is a SAF implementation) certificate key ring name that Universal Control should use for its certificate.
-saf_key_ring_label <i>label</i>	n/a	Label of the certificate in the SAF (RACF is a SAF implementation) certificate key ring that Universal Control should use for its certificate.
-ssl_implementation <i>option</i> <sup>Z</sup>	n/a	SSL/TLS implementation to be used for network communications.  Valid values for <i>option</i> are: <ul style="list-style-type: none"> <li>• openssl: OpenSSL SSL/TLS library is used.</li> <li>• system: z/OS system SSL library is used.</li> </ul>
-verify_host_name <i>host</i>	n/a	Specification that the Broker's X.509 certificate must identify a host name that matches <host>.
-verify_serial_number <i>number</i>	n/a	Specification that the Broker's X.509 certificate must have a serial number that matches <i>number</i> . Hexadecimal format is specified with a prefix of 0x or 0X.
-version	-v	Write program version information and exit.
<sup>Z</sup> Available for use on z/OS operating systems only.		