



## ultram\_ucs\_utils.py Help

Enter the following command to display help for the UCS utilities available through the Ultra M Manager:

```
./ultram_ucs_utils.py h
```

```
usage: ultram_ucs_utils.py [-h] --cfg CFG --login UC_LOGIN UC_LOGIN
                          (--upgrade | --mgmt | --status | --undercloud UC_RC)
                          [--mode] [--serial-delay SERIAL_DELAY]
                          [--server SERVER] [--file FILE]
                          [--protocol {http,https,tftp,sftp,ftp,scp}]
                          [--access ACCESS ACCESS] [--secure-boot]
                          [--update-type {immediate,delayed}] [--reboot]
                          [--timeout TIMEOUT] [--verify] [--stop-on-error]
                          [--bios-param BIOS_PARAM]
                          [--bios-values BIOS_VALUES [BIOS_VALUES ...]]

optional arguments:
  -h, --help            show this help message and exit
  --cfg CFG             Configuration file to read servers
  --login UC_LOGIN UC_LOGIN
                        Common Login UserName / Password to authenticate UCS servers
  --upgrade            Firmware upgrade, choose one from:
                        'bios': Upgrade BIOS firmware version
                        'cimc': Upgrade CIMC firmware version
                        'huu' : Upgrade All Firmwares via HUU based on ISO
  --mgmt              Server Management Tasks, choose one from:
                        'power-up'       : Power on the server immediately
                        'power-down'     : Power down the server (non-graceful)
                        'soft-shut-down': Shutdown the server gracefully
                        'power-cycle'    : Power Cycle the server immediately
                        'hard-reset'     : Hard Reset the server
                        'cimc-reset'     : Reboot CIMC
                        'cmos-reset'    : Reset CMOS
                        'set-bios'       : Set BIOS Parameter
  --status            Firmware Update Status:
                        'bios-upgrade'   : Last BIOS upgrade status
                        'cimc-upgrade'   : Last CIMC upgrade status
                        'huu-upgrade'    : Last ISO upgrade via Host Upgrade Utilities
                        'firmwares'      : List Current set of running firmware versions
                        'server'         : List Server status
                        'bios-settings'  : List BIOS Settings
  --undercloud UC_RC Get the list of servers from undercloud
  --mode              Execute action in serial/parallel
  --serial-delay SERIAL_DELAY
                        Delay (seconds) in executing firmware upgrades on node in case of
                        serial mode

Firmware Upgrade Options::
  --server SERVER     Server IP hosting the file via selected protocol
  --file FILE         Firmware file path for UCS server to access from file server
  --protocol {http,https,tftp,sftp,ftp,scp}
                        Protocol to get the firmware file on UCS server
```

```
--access ACCESS ACCESS      UserName / Password to access the file from remote server using
https,sftp,ftp,scp
--secure-boot                Use CIMC Secure-Boot.
--update-type {immediate,delayed}
                             Update type whether to send delayed update to server or immediate

--reboot                     Reboot CIMC before performing update
--timeout TIMEOUT           Update timeout in mins should be more than 30 min and less than
200 min
--verify                     Use this option to verify update after reboot
--stop-on-error              Stop the firmware update once an error is encountered

BIOS Parameters configuratioon:
--bios-param BIOS_PARAM      BIOS Paramater Name to be set
--bios-values BIOS_VALUES [BIOS_VALUES ...]
                             BIOS Paramater values in terms of key=value pair separated by space
```