



## ultram\_ucs\_utils.py Help

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

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./ultram_ucs_utils.py h
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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
  --vim-type                Type of Virtual Infrastructure Manager(OSP10 or CVIM or VCD)
  --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
```

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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
```