



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::

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--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 configuration:

```

--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

```