

**OTA (One Touch Activation) Utility** is extension script to open source IPMITOOL which allows system admin to input the PPIx OOB hex codes in human readable verbose format and decode the response to human readable format.

Release Version	Release Date	License Details
1.0	Ww48 2016	BSD 3 Clause

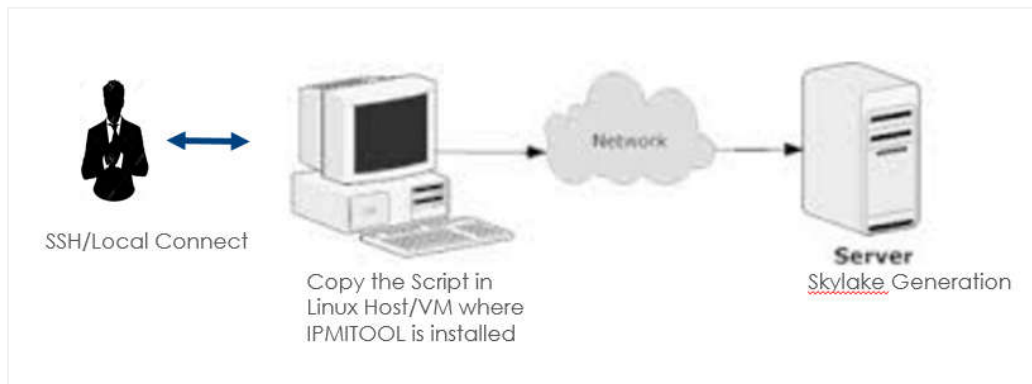
#### MD5SUM checksum

- ☐ cdc6b551098df0043e65393b33584d69

#### PPIx OOB Utility Requirements

- ☐ Linux VM or host
- ☐ IPMITOOL (open source BSD license)
- ☐ BMC Configured **Purley Generation Server\***

#### Deployment Models



#### Installation Steps

- ☐ Download and install “ota.sh” to Linux VM/host where IPMITOOL is installed
- ☐ Follow the User guide to execute commands.

## Supported Use cases:

Use case #	UC Title
UC 1	Discover TXT/TPM status
UC 3 (not 2)	Enable TXT/dTPM
UC 4	dTPM Owner Clear only
UC 5	dTPM clear+TPM Activation
UC 6	dTPM Clear + TXT/TPM Activation
<b>UC 11 (not 7)</b>	Enable TXT/PTT
UC 12	PTT Owner Clear only
UC 13	PTT Clear+PTT Activation
UC 14	PTT Clear + TXT +PTT Activation
UC 15	Disable TXT only
UC 16	Disable dTPM only ( this will not disable TXT)
UC 17	Disable PTT

## Execution Steps

Use cases	PPIx utility
Discover TXT/TPM status	<code>./ota discovery -H &lt;BMC ipaddress&gt; -U &lt;username&gt; -P &lt;password&gt;</code>
Enable TXT/dTPM	<code>./ota enable-txt-dtpm -H &lt;BMC ipaddress&gt; -U &lt;username&gt; -P &lt;password&gt;</code>
dTPM Owner Clear only	<code>./ota clear-dtpm -H &lt;BMC ipaddress&gt; -U &lt;username&gt; -P &lt;password&gt;</code>
dTPM clear + TPM Activation	<code>./ota clear-activate-dtpm -H &lt;BMC ipaddress&gt; -U &lt;username&gt; -P &lt;password&gt;</code>

dTPM Clear + TXT/TPM activation	<code>./ota clear-activate-dtpm-enable-txt -H &lt;BMC ipaddress&gt; -U &lt;username&gt; -P &lt;password&gt;</code>
Enable TXT/PTT	<code>./ota enable-txt-ptt -H &lt;BMC ipaddress&gt; -U &lt;username&gt; -P &lt;password&gt;</code>
PTT Owner Clear Only	<code>./ota clear-ptt -H &lt;BMC ipaddress&gt; -U &lt;username&gt; -P &lt;password&gt;</code>
PTT clear + PTT activation	<code>./ota clear-activate-ptt -H &lt;BMC ipaddress&gt; -U &lt;username&gt; -P &lt;password&gt;</code>
PTT clear + TXT+PTT activation	<code>./ota clear-activate-ptt-enable-txt -H &lt;BMC ipaddress&gt; -U &lt;username&gt; -P &lt;password&gt;</code>
Disable TXT word>	<code>./ota disable-txt -H &lt;BMC ipaddress&gt; -U &lt;username&gt; -P &lt;pass-</code>
Disable dTPM word>	<code>./ota disable-dtpm -H &lt;BMC ipaddress&gt; -U &lt;username&gt; -P &lt;pass-</code>
Disable PTT word>	<code>./ota disable-ptt -H &lt;BMC ipaddress&gt; -U &lt;username&gt; -P &lt;pass-</code>

```

root@avaguayo-cit-build: ~/dcg_security-ipmi-ppix-extensions/ppix-script/src/main/script
root@avaguayo-cit-build:~/dcg_security-ipmi-ppix-extensions/ppix-script/src/main/script# ./ota.sh

VERSION: 1.0

USAGE:
    ./ota COMMAND -H <BMC_IPADDRESS> -U <BMC_USERNAME> -P [BMC_PASSWORD]

COMMANDS:

    discovery                Determines the status of TXT and dTPM features.
    enable-txt-dtpm          Enables TXT and dTPM.
    clear-dtpm               Clears dTPM ownership. TPM 1.2 is disabled afterwards.
    clear-activate-dtpm      Clears dTPM ownership. TPM 1.2 is enabled afterwards. TPM 2.0 is always enabled.
    clear-activate-dtpm-enable-txt Full Refresh for TXT/dTPM: clears ownership, enables dTPM and enables TXT
    enable-txt-ptt           Enables TXT and PTT
    clear-ptt                Clears PTT ownership.
    clear-activate-ptt       Clears PTT ownership. PTT is enabled
    clear-activate-ptt-enable-txt Full Refresh for TXT/PTT: clears ownership, enables PTT and enables TXT
    disable-txt              Disables TXT only
    disable-dtpm             Disables dTPM only. This will not disable TXT
    disable-ptt              Disables PTT

OPTIONS:

    -H BMC_IPADDRESS        A valid BMC IP address. This is required
    -U BMC_USERNAME         Username is required
    -P BMC_PASSWORD         Password is optional. If not explicitly declared user will be prompted to provide it

root@avaguayo-cit-build:~/dcg_security-ipmi-ppix-extensions/ppix-script/src/main/script#

```

For more details on the OTA implementation contact: [kamalanathan.natesan@intel.com](mailto:kamalanathan.natesan@intel.com)