

SysToolsMgr Service v1.0.0 API

All the below are custom service calls that go in the form of a WebOS service request. For example:

```
this.controller.serviceRequest('palm://ca.canucksoftware.systoolsmgr', {
  method: 'onWhenConnected',
  parameters: {
    status: true
  }
});
```

And of course, as with all service requests, errors are handled via `onFailure` handling, and the successful result can be handled via `onSuccess`.

Methods

'version'

parameters:

| |
|--------|
| <None> |
|--------|

returns:

| | | |
|---------|--------|----------------------|
| version | string | SysToolsMgr version. |
|---------|--------|----------------------|

'setDisplay'

parameters:

| | | |
|-------|--------|---------------------------------|
| state | string | Either "on", "dimmed", or "off" |
|-------|--------|---------------------------------|

returns:

| | | |
|--------|--------|--|
| output | string | The stdout from the commandline process involved |
|--------|--------|--|

'onWhenConnected'

parameters:

| | | |
|--------|---------|--|
| status | boolean | When or not to keep the display on when connected/charging |
|--------|---------|--|

returns:

| | | |
|--------|--------|--|
| output | string | The stdout from the commandline process involved |
|--------|--------|--|

'javascriptGC'

parameters:

| |
|--------|
| <None> |
|--------|

returns:

| | | |
|--------|--------|--|
| output | string | The stdout from the commandline process involved |
|--------|--------|--|

'runningApps'

parameters:

| |
|--------|
| <None> |
|--------|

returns:

| | | |
|-----------|-------------|---|
| documents | json array | Array of active webOS apps in LunaSysMgr and their used memory nodes. |
| counters | json object | Object containing various memory and pointer counters for LunaSysMgr and the webOS. |

'runningProcesses'

| |
|--|
| |
|--|

| | | |
|-------------|--------|--|
| parameters: | <None> | |
|-------------|--------|--|

| | | | |
|----------|-----------|------------|---|
| returns: | processes | json array | Array of Linux process objects, each containing: user (string) id (number) cpu (number) memory (number) vsz (number) rss (number) tty (string) stat (string) start (string) time (string) command (string) |
|----------|-----------|------------|---|

'killProcess'

| | | | |
|-------------|------|--------|--|
| parameters: | id | string | Process ID you want to kill. Do not use a "name" parameter if you use this one. |
| | name | string | Process name you want to kill. Do not use an "id" parameter if you use this one. |

| | | | |
|----------|--------|--------|--|
| returns: | output | string | The stdout from the commandline process involved |
|----------|--------|--------|--|

'cpuLoad'

| | | |
|-------------|--------|--|
| parameters: | <None> | |
|-------------|--------|--|

| | | | |
|----------|------------------|--------|---|
| returns: | onemin | number | Average CPU load of the last minute |
| | fivemin | number | Average CPU load of the last 5 minutes |
| | tenmin | number | Average CPU load of the last 10 minutes |
| | runningprocesses | string | Number of actively running Linux processes over the total number of processes (ex. "5/120") |
| | lastprocess | number | Process ID of the latest process |

'cpuTemperature'

| | | |
|-------------|---|--|
| parameters: | <None. Requires a custom kernel supporting temperature reading> | |
|-------------|---|--|

| | | | |
|----------|--------------------------------|---------|--|
| returns: | <variable depending on system> | strings | A number of strings based on info returned from the system. See here for more details. |
|----------|--------------------------------|---------|--|

'memInfo'

| | | |
|-------------|--------|--|
| parameters: | <None> | |
|-------------|--------|--|

| | | | |
|----------|--------------------------------|---------|--|
| returns: | <variable depending on system> | strings | A number of strings based on info returned from the system. See here for more details. |
|----------|--------------------------------|---------|--|

'cpuInfo'

| | | | |
|-------------|--------------------------------|---------|--|
| parameters: | <None> | | |
| returns: | <variable depending on system> | strings | A number of strings based on info returned from the system. See here for more details. |

'syncTime'

| | | | |
|-------------|--------|--------|--|
| parameters: | server | string | (optional) NTP server to use. Default is "pool.ntp.org". |
| returns: | output | string | The stdout from the commandline process involved |

'rescan'

| | | | |
|-------------|--------|--------|--|
| parameters: | <None> | | |
| returns: | output | string | The stdout from the commandline process involved |

'javaRestart'

| | | | |
|-------------|-----------------------------------|--------|--|
| parameters: | <None. Does nothing on webOS 2.x> | | |
| returns: | output | string | The stdout from the commandline process involved |

'novacomRestart'

| | | | |
|-------------|--------|--------|--|
| parameters: | <None> | | |
| returns: | output | string | The stdout from the commandline process involved |

'lunaRestart'

| | | | |
|-------------|--------|--------|--|
| parameters: | <None> | | |
| returns: | output | string | The stdout from the commandline process involved |

'deviceRestart'

| | | | |
|-------------|--------|--------|--|
| parameters: | <None> | | |
| returns: | output | string | The stdout from the commandline process involved |

'flashOn'

parameters:

| | | |
|-------|--------|--|
| value | number | <i>(optional)</i> Flash brightness value. A "0" will call flashOff, any other number will be translated into the amount of mA to go into the LED flashlight. Default is 100mA. |
|-------|--------|--|

returns:

| | | |
|--------|--------|--|
| output | string | The stdout from the commandline process involved |
|--------|--------|--|

'flashOff'

parameters:

| | | |
|--------|--|--|
| <None> | | |
|--------|--|--|

returns:

| | | |
|--------|--------|--|
| output | string | The stdout from the commandline process involved |
|--------|--------|--|

'setFlash'

parameters:

| | | |
|-------|--------|--|
| state | string | Options are: "on", "off", or "strobe". Note: "strobe" does not work on webOS 2.x. |
| value | number | <i>(optional)</i> Flash brightness value. A "0" will turn the flash off, even with "on" state. Default is 100mA. |
| speed | number | <i>(optional)</i> Speed of the strobe flashing in milliseconds. Default is 150ms. |

returns:

| | | |
|--------|--------|--|
| output | string | The stdout from the commandline process involved |
|--------|--------|--|

'flashState'

parameters:

| | | |
|--------|--|--|
| <None> | | |
|--------|--|--|

returns:

| | | |
|-------|--------|---|
| state | string | Either "on", "off" or "strobe", representing the state of the LED |
| value | number | Value in mA of the LED. "0" if it's off. |
| speed | number | Strobe speed in ms, if strobe is enabled |