Execute JavaScripts on Android Devices

Below are the list of JavaScript commands that can be used with SureMDM web console:

1. Command: (static) addAFWAccount()

Description: Create a new managed Google Play Store account (aka Play for Work account)

if it does not exist.

2. Command: (static) allowUninstall(packages)

Description: Allows uninstallation of the specified packages.

3. Command: (static) amBroadcast(intentArgs)

Description: Issues a broadcast intent via activity manager to perform various system

actions.

Note: intentArgs is a command line parameter for am broadcast command (excluding the 'am

broadcast' prefix)

Equivalent to am broadcast command in adb shell.

Example: amBroadcast('--user 0 -a com.gears42.surelock.COMMUNICATOR -e password
Password -e command exit_surelock
com.gears42.surelock'); *//(Exits SureLock)*

See adb documentation for specification of intent argument

```
4. Command:(static) applySettings(path)
```

Description: Imports SureMDM Agent settings from the specified path.

Note: *Replace path with SureMDM Agent Settings path.*

```
5. Command: (static) blockUninstall(packages)
```

Description: Blocks uninstallation of the specified packages.

Note: *Replace packages with an array of package IDs that are not allowed to be uninstalled.*

```
6. Command:(static) clearAllAppData()
```

Description: Clears application data of all installed applications except SureMDM Agent.

```
7. Command:(static) clearAppCache(packages)
```

Description: Clears application cache of the package specified

Note: *Replace packages with csv of package IDs.*

```
8. Command:(static) clearAppData(packages)
```

Description: Clears application data of the packages specified

Note: *Replace packages with csv of package names.*

```
9. Command:(static) clearNotificationAndDisableSureLock()
```

Description: Clears all notifications from the notification panel and performs SureLock exit.

```
10.  Command: (static) configureSureLock()
```

Description: Grants all permissions to SureLock, imports any setting if available and

launches SureLock in kiosk mode.

```
11.  Command:(static) configureWifiSettings(jsonConfig)
```

Description: Configures Wifi of the device using the provided json.

Example JSON:

```
{
    "SSID": "abcde",
    "PASSWORD_BASE64_DEFAULT":
    "someBase64string", "password":
    "12345678",
    "securityType":  "WPA/WPA2
    PSK",
    "connectAutomatically":
    "true",   "hiddenNetwork":
```

```
        "false",
        "useProxy": "false",
        "proxyHost": "192.168.2.1",
        "proxyPort": "8080",
        "byPassHost":
        "www.google.com,www.42gears.com,42gearsmobility.suremdm.io",
        "useStaticIP": "true",
        "staticIP": "192.168.5.128",
        "gateWayIP": "192.168.1.6",
        "NetworkPrefixLength": "23",
        "DNS1": "8.8.9.8",
        "DNS2": "8.8.4.6"
    }
```

Note*: Replace JsonConfig with JSON containing WiFi Config*

12.   Command:(static) deleteAFWAccount()

Description: Deletes managed Google Play Store account (aka Play for Work account) if it

exists.

13.   Command:(static) disableKeyGuard(disable)

Description: Enables or disables Android password screen.

Note*: Replace disable with true if the password screen is to be disabled and false if the*

password screen is to be enabled.

14.   `Command:(static) disableNotificationPanel(disable)`

Description: Sets Notification panel visibility.

Note: *Replace disable with true if the Notification panel is to be disabled, false is to be enabled.*

15.   `Command:(static) executeZebraRunscript(xml)`

Description: Executes a zebra Stage Now XML

Note: *Replace xml with StageNow XML to be executed.*

16.   `Command:(static) forceAddAFWAccount()`

Description: Creates a new managed Google Play Store account (aka Play for Work account). If a PfW account already exists, it is deleted before the new account is created.

17.   `Command:(static) getImei()`

Description: Get the IMEI (International Mobile Equipment Identity) of the device.

```
Example: var imei = getImei();
Returns:

IMEI number of the Device or empty string if IMEI is not available
```

18. **Command:**`(static) getProp(prop)`

Description: Gets an Android system property.

Note: Replace prop with the property to be queried.

Returns: The value of the property or empty string if the property is not found.

19. **Command:**`(static) getSerialNumber()`

Description: Get the hardware serial number, if available.

Returns: Serial Number of the device or empty string if the serial number is not available.

20. **Command:**`(static) grantRunTimePermissions(packages, permissions)`

Description: Grants runtime permissions to one or more applications.

Note: Replace the below parameters.

i. packages with csv of packages for which runtime permissions should be granted. '' represents all installed packages.*

ii. permissions with csv of runtime permissions to be granted for the specified packages. '' represents all runtime permissions.*

21. `Command:(static) install(path)`

Description: Installs a package (specified by path) to the system. The package is reinstalled if it already exists.

Note: Replace path with the path of the APK file that is to be installed.

22. `Command:(static) launchIntegratedSureLock()`

Description: Launches integrated SureLock. Does nothing if SureLock is already the foreground activity.

23. `Command:(static) log(logMsg)`

Description: API for sending informational log output to SureMDM server. The log will be visible in SureMDM Console under device logs.

Note: Replace logmsg with the log to be printed.

24. `Command:(static) reboot()`

Description: the device. Will not return if the reboot is successful.

25. `Command: (static) removeAccountFromDevice(type)`

Description: Removes all accounts from the AccountManager matching the given type.

Does not delete the account from the server.

Note: *Replace the type with the type of accounts to be deleted.*

The account type is a string token corresponding to the authenticator and useful domain of the

account. For example, there are types corresponding to Google and Facebook.

26. `Command:(static) sendMessage(message, subject)`

Description: Sends a message to SureMDM inbox

Note: *Replace the*

i. message with message body to be sent.

ii. subject with the subject of the message.

27. `Command:(static) setCustomFields(value, key)`

Description: Sets the value of a custom field defined in SureMDM.

Note: *Replace the*

i. value with the custom field value.

ii. Key with the custom field name.

28.   Command:(static) setDefaultLauncherSureLock()

Description: Sets integrated SureLock as the Default Launcher.

29.   Command:(static) setDeviceName(deviceName)

Description: API for assigning device name.

Note: Replace devicename with the device name to be set.

30.   Command:(static) setTimeZone(timeZone)

Description: Sets the system's persistent default time zone. This is the time zone for all apps, even after a reboot.

Note: Replace timezone with the Olson id representation of the TimeZone. See [TimeZone](#)

31.   Command:(static) turnOnDataRoaming(enable)

Description:Turns mobile data roaming on or off for all subscriptions.

Note: Replace enable with true if the mobile data roaming is to be turned ON false to set mobile data roaming is OFF.

32. `Command:(static) uninstall(packageId)`

Description: Removes a package from the system.

Note: Replace packages with the name of the package to be removed.

33. `Command:(static) wifiEnableOrDisable(enable)`

Description: Enables or disables Wifi radio of the device.

Note: Replace enable with true if the Wi-Fi is to be enabled, False to set Wifi is to be set to

disabled.