

# Launcher Javascript API

## 3.1.9.0

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## Chapter 1

# Launcher Javascript API

### 1.1 Overview

The launcher javascript API allows users to integrate with objects implemented using the launcher API.

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## Chapter 2

# Class Index

### 2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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<a href="#">Process</a> ( <a href="#">Process</a> launcher ) . . . . .	10
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## Chapter 3

# File Index

### 3.1 File List

Here is a list of all documented files with brief descriptions:

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## Chapter 4

# Class Documentation

### 4.1 Launcher Class Reference

General [Launcher](#) functionality.

#### Public Member Functions

- bool [fileExists](#) (string fileName)
- int [getRegistryInt32](#) (string type, string keyPath, string name, int defaultValue)
- string [getRegistryString](#) (string type, string keyPath, string name, string defaultValue)
- string [getVersion](#) (string fileName, string defaultValue)
- void [reboot](#) ()
- bool [registryKeyPathExists](#) (string type, string keyPath)
- void [release](#) ()
- bool [setRegistryInt32](#) (string type, string keyPath, string name, int value)
- bool [setRegistryString](#) (string type, string keyPath, string name, string value)
- bool [shellOpen](#) (string path)

#### Public Attributes

- string [instanceId](#)

#### 4.1.1 Detailed Description

General [Launcher](#) functionality.

### 4.1.2 Member Function Documentation

#### 4.1.2.1 bool Launcher.fileExists ( string *fileName* )

Check if a file exists

##### Parameters

<i>fileName</i>	filename to check.
-----------------	--------------------

##### Returns

true if successful, false otherwise

#### 4.1.2.2 int Launcher.getRegistryInt32 ( string *type*, string *keyPath*, string *name*, int *defaultValue* )

returns a registry value as an integer

##### Parameters

<i>type</i>	type of hive.
<i>keyPath</i>	path of the key.
<i>name</i>	name of value.
<i>defaultValue</i>	default value returned if unable to read key.

##### Returns

value of the key.

#### 4.1.2.3 string Launcher.getRegistryString ( string *type*, string *keyPath*, string *name*, string *defaultValue* )

returns a registry value as a string

##### Parameters

<i>type</i>	type of hive.
<i>keyPath</i>	path of the key.
<i>name</i>	name of value.
<i>defaultValue</i>	default value returned if unable to read key.

##### Returns

value of the key.

#### 4.1.2.4 string Launcher.getVersion ( string *fileName*, string *defaultValue* )

returns the version of the filename

**Parameters**

<i>fileName</i>	name of the file to get the version of.
<i>defaultValue</i>	default value returned if unable to read version.

**Returns**

value of the version.

**4.1.2.5 void Launcher.reboot ( )**

Reboots the machine

**4.1.2.6 bool Launcher.registryKeyPathExists ( string type, string keyPath )**

Check if a registry key path exists

**Parameters**

<i>type</i>	type of hive.
<i>keyPath</i>	path of the key.

**Returns**

true if exists, false otherwise

**4.1.2.7 void Launcher.release ( )**

releases the object

**4.1.2.8 bool Launcher.setRegistryInt32 ( string type, string keyPath, string name, int value )**

sets an integer in the registry

**Parameters**

<i>type</i>	type of hive.
<i>keyPath</i>	path of the key.
<i>name</i>	name of value.
<i>value</i>	value of key.

**Returns**

true if successful, false otherwise

4.1.2.9 `bool Launcher.setRegistryString ( string type, string keyPath, string name, string value )`

sets a string in the registry

#### Parameters

<i>type</i>	type of hive.
<i>keyPath</i>	path of the key.
<i>name</i>	name of value.
<i>value</i>	value of key.

#### Returns

true if successful, false otherwise

4.1.2.10 `bool Launcher.shellOpen ( string path )`

Launch the process

#### Parameters

<i>path</i>	string to url/filename to open.
-------------	---------------------------------

#### Returns

true if successful, false otherwise

### 4.1.3 Member Data Documentation

4.1.3.1 `string Launcher.instanceId`

Instance id used to bind proxy object to native object

The documentation for this class was generated from the following file:

- [launcher.js](#)

## 4.2 Process Class Reference

[Process](#) launcher.

#### Public Member Functions

- string [getApplicationName](#) ()
- string [getArguments](#) ()
- bool [getElevate](#) ()



- string [getSha1](#) ()
- bool [getShowWindow](#) ()
- string [getWorkingDirectory](#) ()
- bool [launch](#) ()
- void [release](#) ()
- void [setApplicationName](#) (string value)
- void [setArguments](#) (string value)
- void [setElevate](#) (bool value)
- void [setSha1](#) (string value)
- void [setShowWindow](#) (bool value)
- void [setWorkingDirectory](#) (string value)

### Public Attributes

- string [instanceId](#)
- event [onComplete](#)
- event [onExit](#)

#### 4.2.1 Detailed Description

[Process](#) launcher.

#### 4.2.2 Member Function Documentation

##### 4.2.2.1 string [Process.getApplicationName](#) ( )

gets the application to launch

#### Returns

Application to launch

##### 4.2.2.2 string [Process.getArguments](#) ( )

gets the arguments for the process

#### Returns

Arguments for the process

##### 4.2.2.3 bool [Process.getElevate](#) ( )

gets the true if process requires elevatation, false otherwise

#### Returns

true if process requires elevatation, false otherwise

#### 4.2.2.4 string Process.getSha1 ( )

gets the sha1 value of application, blank to skip check

##### Returns

sha1 value of application, blank to skip check

#### 4.2.2.5 bool Process.getShowWindow ( )

gets the true if process is shown, false otherwise

##### Returns

true if process is shown, false otherwise

#### 4.2.2.6 string Process.getWorkingDirectory ( )

gets the the full path to the current directory for the process

##### Returns

The full path to the current directory for the process

#### 4.2.2.7 bool Process.launch ( )

Launch the process

##### Returns

true if successful, false otherwise

#### 4.2.2.8 void Process.release ( )

releases the object

#### 4.2.2.9 void Process.setApplicationName ( string value )

sets the application to launch

##### Parameters

<i>value</i>	Application to launch
--------------	-----------------------

**4.2.2.10 void Process.setArguments ( string value )**

sets the arguments for the process

**Parameters**

<i>value</i>	Arguments for the process
--------------	---------------------------

**4.2.2.11 void Process.setElevate ( bool value )**

sets the true if process requires elevatation, false otherwise

**Parameters**

<i>value</i>	true if process requires elevatation, false otherwise
--------------	---

**4.2.2.12 void Process.setSha1 ( string value )**

sets the sha1 value of application, blank to skip check

**Parameters**

<i>value</i>	sha1 value of application, blank to skip check
--------------	--

**4.2.2.13 void Process.setShowWindow ( bool value )**

sets the true if process is shown, false otherwise

**Parameters**

<i>value</i>	true if process is shown, false otherwise
--------------	---

**4.2.2.14 void Process.setWorkingDirectory ( string value )**

sets the the full path to the current directory for the process

**Parameters**

<i>value</i>	The full path to the current directory for the process
--------------	--

**4.2.3 Member Data Documentation****4.2.3.1 string Process.instanceId**

Instance id used to bind proxy object to native object

#### 4.2.3.2 event `Process.onComplete`

Triggered when the process is complete.

##### Parameters

<i>successful</i>	true if the process was successful, false otherwise.
-------------------	--

#### 4.2.3.3 event `Process.onExit`

Triggered when the process is exited.

##### Parameters

<i>exitCode</i>	Application's exit code
-----------------	-------------------------

The documentation for this class was generated from the following file:

- [process.js](#)

## 4.3 TextFileReader Class Reference

Text file reader.

### Public Member Functions

- int [getBufferSize](#) ()
- string [getFileName](#) ()
- void [release](#) ()
- void [setBufferSize](#) (int value)
- void [setFileName](#) (string value)
- void [start](#) ()

### Public Attributes

- string [instanceId](#)
- event [onComplete](#)
- event [onProgress](#)
- event [onRead](#)
- event [onStart](#)

#### 4.3.1 Detailed Description

Text file reader.

### 4.3.2 Member Function Documentation

#### 4.3.2.1 `int TextFileReader.getBufferSize ( )`

gets the determines the max size of the buffer being read into

##### Returns

Determines the max size of the buffer being read into

#### 4.3.2.2 `string TextFileReader.getFileName ( )`

gets the file name where url is saved

##### Returns

File name where url is saved

#### 4.3.2.3 `void TextFileReader.release ( )`

releases the object

#### 4.3.2.4 `void TextFileReader.setBufferSize ( int value )`

sets the determines the max size of the buffer being read into

##### Parameters

<i>value</i>	Determines the max size of the buffer being read into
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#### 4.3.2.5 `void TextFileReader.setFileName ( string value )`

sets the file name where url is saved

##### Parameters

<i>value</i>	File name where url is saved
--------------	------------------------------

#### 4.3.2.6 `void TextFileReader.start ( )`

Start file reading

### 4.3.3 Member Data Documentation

#### 4.3.3.1 string `TextFileReader.instanceId`

Instance id used to bind proxy object to native object

#### 4.3.3.2 event `TextFileReader.onComplete`

Triggered when file reader is complete.

##### Parameters

<i>successful</i>	true if the file reader was successful, false otherwise.
-------------------	--

#### 4.3.3.3 event `TextFileReader.onProgress`

Triggered when file reader has made progress.

##### Parameters

<i>percent</i>	(-1.0: Still calculating) (0.0 to 1.0: Percent completed)
----------------	---

#### 4.3.3.4 event `TextFileReader.onRead`

Triggered when file reader reads new bytes.

##### Parameters

<i>text</i>	Bytes read from file.
-------------	-----------------------

#### 4.3.3.5 event `TextFileReader.onStart`

Triggered when file reader is started.

The documentation for this class was generated from the following file:

- [textfilereader.js](#)

## 4.4 TextFileWriter Class Reference

Text file writer.

### Public Member Functions

- bool [close](#) ()
- bool [open](#) (string fileName)

- void [release](#) ()
- int [write](#) (string value)

### Public Attributes

- string [instanceld](#)

#### 4.4.1 Detailed Description

Text file writer.

#### 4.4.2 Member Function Documentation

##### 4.4.2.1 bool TextFileWriter.close ( )

Close file

#### Returns

true if successful, false otherwise.

##### 4.4.2.2 bool TextFileWriter.open ( string *fileName* )

Open file for writing

#### Parameters

<i>fileName</i>	name of the file to close.
-----------------	----------------------------

#### Returns

true if successful, false otherwise.

##### 4.4.2.3 void TextFileWriter.release ( )

releases the object

##### 4.4.2.4 int TextFileWriter.write ( string *value* )

Write string to file

#### Parameters

<i>value</i>	string to write to file.
--------------	--------------------------

**Returns**

number of bytes written to file.

**4.4.3 Member Data Documentation****4.4.3.1 string `TextFileWriter.instanceId`**

Instance id used to bind proxy object to native object

The documentation for this class was generated from the following file:

- [textfilewriter.js](#)



## Chapter 5

# File Documentation

### 5.1 launcher.js File Reference

File containing [Launcher](#) class and creation function.

#### Classes

- class [Launcher](#)  
*General [Launcher](#) functionality.*

#### Functions

- void [createLauncher](#) ()

#### 5.1.1 Detailed Description

File containing [Launcher](#) class and creation function.

#### 5.1.2 Function Documentation

##### 5.1.2.1 void createLauncher ( )

Create instance of launcher

### 5.2 process.js File Reference

File containing [Process](#) class and creation function.

## Classes

- class [Process](#)  
*Process launcher.*

## Functions

- void [createProcess](#) ()

### 5.2.1 Detailed Description

File containing [Process](#) class and creation function.

### 5.2.2 Function Documentation

#### 5.2.2.1 void [createProcess](#) ( )

Create instance of process

## 5.3 [serialize.js](#) File Reference

File containing javascript object extensions for serialization.

## Functions

- void [loadObjectFromFile](#) (string *fileName*, event *onLoadComplete*)
- bool [saveObjectToFile](#) (object *obj*, string *fileName*)

### 5.3.1 Detailed Description

File containing javascript object extensions for serialization.

### 5.3.2 Function Documentation

#### 5.3.2.1 void [loadObjectFromFile](#) ( string *fileName*, event *onLoadComplete* )

load object from a file

#### Parameters

<i>fileName</i>	location for load
<i>onLoad-Complete</i>	function called when load completed

### 5.3.2.2 bool saveObjectToFile ( object *obj*, string *fileName* )

save an object to a file

#### Parameters

<i>obj</i>	object to save
<i>fileName</i>	location for save

#### Returns

true if the object is saved or false otherwise

## 5.4 textfilereader.js File Reference

File containing [TextFileReader](#) class and creation function.

### Classes

- class [TextFileReader](#)

*Text file reader.*

### Functions

- void [createTextFileReader](#) ()

#### 5.4.1 Detailed Description

File containing [TextFileReader](#) class and creation function.

#### 5.4.2 Function Documentation

##### 5.4.2.1 void createTextFileReader ( )

Create instance of textFileReader

## 5.5 textfilewriter.js File Reference

File containing [TextFileWriter](#) class and creation function.

## Classes

- class [TextFileWriter](#)  
*Text file writer.*

## Functions

- void [createTextFileWriter](#) ( )

### 5.5.1 Detailed Description

File containing [TextFileWriter](#) class and creation function.

### 5.5.2 Function Documentation

#### 5.5.2.1 void [createTextFileWriter](#) ( )

Create instance of textFileWriter

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