Node for Max API

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Contents

Node for Max API

Reference for the API exposed as "max-api" when running NodeJS applications using the `[node.script]` object. This API can be required using

```
const maxAPI = require("max-api");
```

Enums

Item	Description
MAX_ENV	Enum options for the value Node For Max will set on process.env.MAX_ENV
MESSAGE_TYPES	Predefined generic MaxFunctionSelector types
POST_LEVELS	Log Levels used in maxAPI.post

Functions

Item	Description
addHandler	Register a single handler

addHandlers	Register handlers
getDict	Get the value of a dict object
outlet	Outlet any values
outletBang	Outlet a Bang
post	Post to the Max console. Setting the last argument to a value of maxAPI.POST_LEVELS allows control of the log level
removeHandler	Remove a single handler
removeHandlers	Remove handlers
setDict	Set the value of a dict object
updateDict	Partially update the value of a dict object at a given path

Type Aliases

Item	Description
Anything	
JSONArray	
JSONObject	
JSONPrimitive	
JSONValue	
MaxFunctionHandler	
MaxFunctionSelector	

function addHandler

Register a single handler

```
export function addHandler(selector: MaxFunctionSelector, handler:
MaxFunctionHandler): void;
```

Name	Type	Description
selector	MaxFunctionSelector	
handler	MaxFunctionHandler	

function addHandlers

Register handlers

```
export function addHandlers(handlers: Record<MaxFunctionSelector,
MaxFunctionHandler>): void;
```

Name	Type	Description
handlers	Record<MaxFunctionSelector, MaxFunctionHandler>	

type Anything

```
export type Anything = string | number | Array<string | number> |
JSONObject | JSONArray;
```

function getDict

Get the value of a dict object

```
export function getDict(id: string): Promise<JSONObject>;
```

Name	Type	Description
id	string	
Return Value	Promise<JSONObject>	

type JSONArray

```
export type JSONArray = Array<JSONValue>;
```

type JSONObject

```
export type JSONObject = { [key: string]: JSONValue | undefined };
```

type JSONPrimitive

```
export type JSONPrimitive = string | number | boolean | null;
```

type JSONValue

```
export type JSONValue = JSONPrimitive | JSONArray | JSONObject;
```

enum MAX_ENV

Enum options for the value Node For Max will set on process.env.MAX_ENV

Members

Member	Value	Description
MAX	`"max"`	node.script running from within Max
MAX_FOR_LIVE	`"maxforlive"`	node.script running from within Max For Live
STANDALONE	`"max:standalone"`	node.script running from within a standalone application

type MaxFunctionHandler

```
export type MaxFunctionHandler = (...args: any[]) => any;
```

type MaxFunctionSelector

```
export type MaxFunctionSelector = MESSAGE_TYPES | string;
```

enum MESSAGE_TYPES

Predefined generic MaxFunctionSelector types

Members

Member	Value	Description
ALL	`"all"`	Generic Type for *all* kinds of messages
BANG	`"bang"`	Bang message type
DICT	`"dict"`	Dictionary message type
LIST	`"list"`	List message type
NUMBER	`"number"`	Number message type

function outlet

Outlet any values

```
export function outlet(...args: JSONValue[]): Promise<void>;
```

Name	Type	Description
args	JSONValue[]	
Return Value	Promise<void>	

function outletBang

Outlet a Bang

```
export function outletBang(): Promise<void>;
```

Name	Type	Description
Return Value	Promise<void>	

enum POST_LEVELS

Log Levels used in maxAPI.post

Members

Member	Value	Description
ERROR	`"error"`	error level messages
INFO	`"info"`	info level messages
WARN	`"warn"`	warn level messages

function post

Post to the Max console. Setting the last argument to a value of maxAPI.POST_LEVELS allows control of the log level

```
export function post(...args: Array<Anything | POST_LEVELS>):
Promise<void>;
```

Name	Type	Description
args	Array\<Anything | POST_LEVELS\>	
Return Value	Promise\<void\>	

function removeHandler

Remove a single handler

```
export function removeHandler(selector: MaxFunctionSelector, handler:
MaxFunctionHandler): void;
```

Name	Type	Description
selector	MaxFunctionSelector	
handler	MaxFunctionHandler	

function removeHandlers

Remove handlers

```
export function removeHandlers(selector: MaxFunctionSelector): void;
```

Name	Type	Description
selector	MaxFunctionSelector	

function setDict

Set the value of a dict object

```
export function setDict(id: string, dict: JSONObject): Promise<JSONObject>;
```

Name	Type	Description
id	string	
dict	JSONObject	
Return Value	Promise<JSONObject>	

function updateDict

Partially update the value of a dict object at a given path

```
export function updateDict(id: string, updatePath: string, updateValue:
JSONValue): Promise<JSONObject>;
```

Name	Type	Description
id	string	
updatePath	string	
updateValue	JSONValue	
Return Value	Promise<JSONObject>	

Credits

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