

msaSDK Module

`.admin.frontend.types`

Attributes

MSAOptionsNode module-attribute

```
MSAOptionsNode = Union[List[Dict[str, Any]], List[str]]
```

MSAUIExpression module-attribute

```
MSAUIExpression = str
```

MSAUISchemaNode module-attribute

```
MSAUISchemaNode = Union[
    MSAUITemplate,
    "MSAUINode",
    List["MSAUINode"],
    Dict[str, Any],
    List[Dict[str, Any]],
]
```

MSAUITemplate module-attribute

```
MSAUITemplate = Union[str, 'MSAUITp1']
```

MSA_UI_API module-attribute

```
MSA_UI_API = Union[str, MSAUIAPI, dict]
```

Classes

MSABaseUIApiOut

Bases: `MSABaseUIModel`

MSA UI Api interface output data model

Attributes

data `class-attribute`

```
data: dict = None
```

msg `class-attribute`

```
msg: str = ''
```

status `class-attribute`

```
status: int = 0
```

MSABaseUIModel

Bases: `MSABaseModel`

Core Pydantic Base UI Model.

Classes

Config

Attributes

extra `class-attribute`

```
extra = Extra.allow
```

json_dumps `class-attribute`

```
json_dumps = json.dumps
```

json_loads `class-attribute`

```
json_loads = json.loads
```

Functions

msa_ui_dict

```
msa_ui_dict()
```

msa_ui_json

```
msa_ui_json()
```

update_from_dict

```
update_from_dict(kwarg: Dict[str, Any])
```

update_from_kwargs

```
update_from_kwargs(**kwargs)
```

MSAUIAPI

Bases: `MSABaseUIModel`

Core MSA UI API

Attributes

adaptor class-attribute

```
adaptor: str = None
```

Receive adaptor, if the interface does not meet the requirements, you can configure an adaptor to handle it as msa_ui needs. Also supports Function or string function styles

autoRefresh class-attribute

```
autoRefresh: bool = None
```

Configure whether the interface needs to be automatically refreshed.

cache class-attribute

```
cache: int = None
```

Set cache to set the cache time in milliseconds, within the set cache time, the same request will not be repeatedly initiated, but will get the cached request response data.

data class-attribute

```
data: Union[str, dict] = None
```

Data body of the request, supports data mapping

dataType class-attribute

```
dataType: str = None
```

Default is json can be configured as form or form-data.

When the data contains a file, the form-data (multipart/form-data) format is automatically used. The application/x-www-form-urlencoded format when configured as form.

headers class-attribute

```
headers: Dict[str, Any] = None
```

The requested headers

method class-attribute

```
method: str = None
```

GET holds request method (get, post, put, delete)

qsOptions class-attribute

```
qsOptions: Union[str, dict] = None
```

Useful when dataType is form or form-data.

Specific parameters, set by default to: { arrayFormat: 'indices', encodeValuesOnly: true }

replaceData class-attribute

```
replaceData: bool = None
```

Whether the returned data replaces the current data, the default is false, i.e., append, set to true is a complete replacement.

requestAdaptor class-attribute

```
requestAdaptor: str = None
```

send adaptor , msa_ui's API configuration, if you can not configure the request structure you want, then you can configure the requestAdaptor send adaptor

responseData class-attribute

```
responseData: Dict[str, Any] = None
```

If the data structure returned by the interface does not meet expectations, you can modify it by configuring responseData, which also supports data mapping. The data available for mapping is the actual data of the interface (the data part returned by the interface), with additional api variables. where api.query is the query parameter sent by the interface, and api.body is the raw data of the content body sent by the interface.

responseType class-attribute

```
responseType: str = None
```

Return type, if it is a download it needs to be set to `blob`

sendOn class-attribute

```
sendOn: MSAUIExpression = None
```

Configure the request conditions

trackExpression class-attribute

```
trackExpression: str = None
```

Configure track variable expression, when autoRefresh is enabled, the default is the url of the api to automatically track variable changes. If you want to monitor variables outside of the url, configure trackExpression.

url class-attribute

```
url: MSAUITemplate
```

Current interface Api address

MSAUIEvent

Bases: `MSABaseUIModel`

MSA UI Event Pydantic Model

Attributes

actionType `class-attribute`

```
actionType: str = None
```

Action name

args `class-attribute`

```
args: dict = None
```

Action parameter {key:value}, supports data mapping

expression `class-attribute`

```
expression: Union[bool, MSAUIExpression] = None
```

Execution condition, not set means default execution

outputVar `class-attribute`

```
outputVar: str = None
```

Output data variable name

preventDefault `class-attribute`

```
preventDefault: Union[bool, MSAUIExpression] = None
```

False = prevent event default behavior

stopPropagation `class-attribute`

```
stopPropagation: Union[bool, MSAUIExpression] = None
```

False = Stop the execution of subsequent actions

MSAUINode

Bases: MSABaseUIModel

UI Node Component Configuration

Attributes

hidden class-attribute

```
hidden: bool = None
```

| Hide this node

hiddenOn class-attribute

```
hiddenOn: MSAUIExpression = None
```

| Condition for Hiding

id class-attribute

```
id: str = None
```

| ID of the Node

name class-attribute

```
name: str = None
```

| Name of the Node

onEvent class-attribute

```
onEvent: dict = None
```

| On MSAUIEvent Handler

type class-attribute

```
type: str = None
```

| Component Type

visible class-attribute

```
visible: bool = None
```

Enable Visible/Show

visibleOn class-attribute

```
visibleOn: MSAUIExpression = None
```

Condition for Visibility

MSAUITpl

Bases: MSAUINode

MSAUITpl component

Attributes

className class-attribute

```
className: str = None
```

Class name of the outer Dom

tpl class-attribute

```
tpl: str
```

Configuration template

type class-attribute

```
type: str = 'tpl'
```

Specify as MSAUITpl component

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