

Dokumentation mirrOS 1.0

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Module

Zweck

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/fuel/settings/default.html

/fuel/settings/2x1.html

/fuel/scripts/default.html

/fuel/scripts/2x1.html

Modulgrößen

```
1 // sizes.json
2
3 {
4   "sizes": [
5     {
6       "name": "default",
7       "height": 3,
8       "width": 6,
9       "template": "default.html",
10      "settings": "default.html",
11      "script": "default.html"
12    },
13    {
14      "name": "2x1",
15      "height": 1,
16      "width": 2,
17      "template": "2x1.html",
18      "settings": "2x1.html",
19      "script": "2x1.html"
20    },
21    {
22      "name": "1x1",
23      "height": 1,
24      "width": 1,
25      "template": "1x1.html",
26      "settings": "default.html",
27      "script": "default.html"
28    }
29  ]
30 }
31
```

Initialisierung bzw. Reset eines Moduls

```
1 // seeds.json
2
3 {
4   "data": [
5     {
6       "key": "fuel_sort_by",
7       "value": "name"
8     },
9     {
10      "key": "fuel_max_stations",
11      "value": 5
12    }
13  ]
14 }
15
```

Sprachen

```
1 // locales.json
2
3 {
4   "locales": {
5     "urls": [
6       "http://46.101.225.168/glotpress/projects/system/netatmo/",
7       "http://46.101.225.168/glotpress/projects/system/"
8     ]
9   }
10 }
11
```

module.json

```

1 // module.json
2
3 {
4     "module": {
5         "dependencies": {
6             "sources": [
7                 {
8                     "name": "tankerkoenig",
9                     "version": "1.0.0",
10                    "required": true
11                },
12                {
13                    "name": "spritpreisrechner",
14                    "version": "1.0.0",
15                    "required": true
16                }
17            ]
18        },
19        "assets": [
20            {
21                "url": "https://code.jquery.com/jquery-3.2.1.min.js",
22                "type": "script",
23                "required_in": [
24                    "settings/default.html",
25                    "template/*"
26                ]
27            },
28            {
29                "url": "https://opensource.keycdn.com/fontawesome/4.7.0/font-
30 awesome.min.css ",
31                "type": "stylesheet",
32                "required_in": [
33                    "settings/1x1.html",
34                    "template/1x1.html"
35                ]
36            }
37        ]
38    }
39 }

```

Modulinstanzen

Modulinstanzen und Speichern der Daten

Datenquellen

Zweck

Aubau

Datenquellen-Typ (z.B "Kalender" oder "Tanken")

Abhängigkeiten

Eigenschaften

Datenquelleninstanz

Datenbankanbindung

Namespacing

Localization

Plattformen

Update-Prozess

Update Interval

API

Types

Ein `Type` sagt aus, zu welcher "Gruppe" `Modules` oder `Sources` gehören.
So haben zum Beispiel das `Module` `calendar_week` und die Google Kalender-`Source` beide den `Typ` `calendar`. Über diese Beziehung wird festgelegt, welche `Sources` mit welchen `Modules` funktionieren und kompatibel sind.

Endpunkte

```
/api/types
/api/types/{type_name}
```

Beziehungen

Feld	Model	Identifizier	Beschreibung
category	Category	Category.name	Die Kategoriezugehörigkeit dieses Typs
sources	Source	-	Die vom diesem Typ verfügbaren Dateiquellen
modules	Module	-	Die vom diesem Typ verfügbaren Module

Aufbau des Models

```
1  {
2    "name": String,
3    "model": Model,
4    "category": Category,
5    "source_structure": Array,
6    "modules": [Module],
7    "sources": [Source]
8  }
```

Beispiel

```
1  {
2    "name": "calendar",
3    "model": "type",
4    "source_structure": [...],
5    "category": "producivity",
6    "modules": [...],
7    "sources": [...]
8  }
```

Modules

Endpunkte

- /api/modules
- /api/modules/{module_name}

Beziehungen

Feld	Model	Identifier	Beschreibung
type	Type	Type.name	Der Typ dieses Modules
category	Category	Category.name	Die Kategorie dieses Modules
sources	Source	-	Die mit diesem Modul kompatiblen Datenquellen
language	Language	-	Die zu verfügbaren stehenden Sprachen dieses Moduls

Aufbau des Models

```
1  {
2    "name": String,
3    "type": Type,
4    "model": Model,
5    "author": String,
6    "category": Category,
7    "version": String,
8    "path": String,
9    "website": String,
10   "sizes": Array,
11   "sources": [Source],
12   "languages": [Language]
13 }
```

Beispiel

```
1  {
2    "name": "fuel",
3    "type": "fuel",
4    "model": "module",
5    "author": "Marco Roth",
6    "category": "productiviy",
7    "version": "1.0.0",
8    "path": "/api/sources/modules/fuel",
9    "website": "https://glancr.de/modules/productivity/fuel/",
10   "sizes": [...],
11   "sources": [...],
12   "languages": [...]
13 }
```


ModuleInstances

Endpunkte

```
/api/modules/{module_name}/{instance_id}
/api/modules/{module_name}/{instance_id}/settings
```

Beziehungen

Feld	Model	Identifizier	Beschreibung
module	Module	Module .name	Das übergeordnete Modul dieser Instanz

Aufbau des Models

```
1  {
2      "id": Integer,
3      "module": Module,
4      "model": Model,
5      "path": String,
6      "settings": Array,
7      "config": {
8          "width": Integer,
9          "height": Integer,
10         "col": Integer,
11         "row": Integer
12     }
13 }
```

Beispiel

```
1  {
2    "id": 1,
3    "module": "fuel",
4    "model": "module_instance",
5    "path": "/api/modules/fuel/1",
6    "settings": [...],
7    "config": {
8      "width": 6,
9      "height": 3,
10     "col": 1,
11     "row": 1
12   }
13 }
```

Sources

Endpunkte

`/api/sources`

`/api/sources/{source_name}`

Beziehungen

Feld	Model	Identifizier	Beschreibung
type	Type	Type .name	Der Typ dieser Datenquelle
category	Category	Category .name	Die Kategorie dieser Datenquelle
modules	Module	-	Die mit dieser Datenquelle kompatiblen Module
language	Language	-	Die zu verfügbaren stehenden Sprachen dieser Datenquelle

Aufbau des Models

```
1  {
2    "name": String,
3    "type": Type,
4    "model": Model,
5    "category": Category,
6    "version": String,
7    "author": String,
8    "path": String,
9    "website": String,
10   "modules": [Module],
11   "languages": [Language]
12 }
```

Beispiel

```
1  {
2    "name": "google",
3    "type": "calendar",
4    "model": "source",
5    "category": "productivity",
6    "version": "1.0.0",
7    "author": "Mattes Angelus",
8    "path": "/api/sources/calendar/google/",
9    "website": "http://glancr.de/sources/google/",
10   "modules": [...],
11   "languages": [...]
12 }
```

SourceInstances

Endpunkte

/api/sources/{source_name}/{instance_id}

/api/modules/{source_name}/{instance_id}/settings

/api/modules/{source_name}/{instance_id}/data

Beziehungen

Feld	Model	Identifizier	Beschreibung
category	Category	Category .name	Die Kategoriezugehörigkeit dieses Typs
sources	Source	-	Die vom diesem Typ verfügbaren Dateiquellen
modules	Module	-	Die vom diesem Typ verfügbaren Module

Aufbau des Models

```

1 | {
2 |   "id": Integer,
3 |   "source": Source,
4 |   "model": Model,
5 |   "path": String,
6 |   "data": Array,
7 |   "settings": Array
8 | }
```

Beispiel

```

1 | {
2 |   "id": 1,
3 |   "source": "google",
4 |   "model": "source_instance",
5 |   "path": "/api/sources/google/1",
6 |   "data": [],
7 |   "settings": []
8 | }
```

Categories

Endpunkte

/api/categories

/api/categories/{category_name}

Beziehungen

Feld	Model	Identifizier	Beschreibung
sources	Source	-	Datenquellen, die dieser Kategorie angehören
modules	Module	-	Module, die dieser Kategorie angehören

Aufbau des Models

```

1  {
2      "name": String,
3      "model": Model,
4      "path": String,
5      "website": String,
6      "modules": [Module],
7      "sources": [Source]
8  }
```

Beispiel

```

1  {
2      "name": "productivity",
3      "model": "category",
4      "path": "/api/categories/productivity/",
5      "website": "http://glancr.de/modules/productivity/",
6      "modules": [...],
7      "sources": [...]
8  }
```

Languages

Endpunkte

/api/languages

/api/languages/{language_name}

Beziehungen

Feld	Model	Identifizier	Beschreibung
sources	Source	-	Datenquellen, die diese Sprache unterstützen
modules	Module	-	Module, die diese Sprache unterstützen

Aufbau des Models

```

1  {
2      "name": String,
3      "code": String,
4      "model": Model,
5      "path": String,
6      "modules": [Module],
7      "sources": [Source]
8  }
```

Beispiel

```

1  {
2      "name": "Deutsch",
3      "code": "de_DE",
4      "model": "language",
5      "path": "/api/languages/de_DE",
6      "modules": [...],
7      "sources": [...]
8  }
```

Endpunkte

`/api`

```
1 // Example: /api
2
3 {
4     "name": "Glancr mirrOS",
5     "version": "1.0.0",
6     "webserver": "Apache 2",
7     "device": "Raspberry 3",
8     "os": "Raspian X.Y",
9     "endpoints": [
10         "/api/info",
11         "/api/user",
12         ...
13     ],
14     "documentation": "https://glancr.de/api-documentation"
15 }
16
```

/api/user

```
1 // Example: /api/user
2
3 {
4     "name": "Marco Roth",
5     "firstname": "Marco",
6     "lastname": "Roth",
7     "email": "marco.roth@intergga.ch",
8     "city": "Basel",
9     "country": "CH",
10    "language": "de_DE"
11 }
```

/api/types

```

1 // Example: /api/types
2
3 {
4     "types": [
5         {
6             "name": "calendar",
7             "modules": [
8                 { "name": "calendar_week", ... },
9                 { "name": "calendar_today", ... },
10                { "name": "calendar_next", ... }
11            ],
12            "sources": [
13                { "name": "google", ... },
14                { "name": "icloud", ... },
15                { "name": "ical", ... }
16            ]
17        },
18        {
19            "name": "fuel",
20            "modules": [
21                { "name": "fuel", ... }
22            ],
23            "sources": [
24                { "name": "Tankerkönig", ... },
25                { "name": "Spritpreisrechner", ... }
26            ]
27        }
28    ]
29 }
30

```

/api/types/{type_name}

```

1 // Example: /api/types/calendar
2
3 {
4
5 }
6

```

/api/sources


```
1 // Example: /api/sources
2
3 {
4     "sources": [
5         {
6             "name": "google",
7             "type": "calendar",
8             "version": "1.0.0",
9             "author": "Mattes Angelus",
10            "path": "/api/sources/calendar/google",
11            "website": "https://google.com"
12        },
13        {
14            "name": "tankerkoenig",
15            "type": "fuel",
16            "version": "1.0.0",
17            "path": "/api/sources/fuel/tankerkoenig",
18            "website": "https://google.com"
19        }
20    ]
21 }
22
```

/api/sources/{source_name}

```

1 // Example: /api/sources/calendar
2
3 {
4     "type": "calendar",
5     "sources": [
6         {
7             "name": "google",
8             "type": "calendar",
9             "version": "1.0.0",
10            "author": "Marco Roth",
11            "path": "/api/sources/calendar/google"
12        },
13        {
14            "name": "icloud",
15            "type": "calendar",
16            "version": "1.0.0",
17            "author": "Marco Roth",
18            "path": "/api/sources/calendar/icloud"
19        },
20        {
21            "name": "ical",
22            "type": "calendar",
23            "version": "1.0.0",
24            "author": "Marco Roth",
25            "path": "/api/sources/calendar/ical"
26        }
27    ]
28 }
29

```

/api/sources/{source_name}/{instance_id}

```

1 // Example: /api/sources/calendar/1/
2
3 {
4
5 }
6

```

/api/sources/{source_name}/{instance_id}/settings

```

1 // Example: /api/sources/calendar/1/settings
2
3 {
4
5 }

```

/api/sources/{source_name}/{instance_id}/data

```
1 // Example: /api/sources/calendar/1/data
2
3 {
4
5 }
6
```

/api/modules

```
1 // Example: /api/modules
2
3 {
4     "modules": [
5         {
6             "name": "fuel",
7             "type": "fuel",
8             "author": "Marco Roth",
9             "version": "1.0.0",
10            "path": "/api/sources/fuel/fuel"
11        },
12        {
13            "name": "calendar_week",
14            "type": "calendar",
15            "author": "Mattes Angelus",
16            "version": "1.0.0",
17            "path": "/api/sources/calendar/calendar_week"
18        }
19    ]
20 }
21
```

/api/modules/{module_name}

```
1 // Example: /api/modules/fuel
2
3 {
4
5 }
6
```

/api/modules/{module_name}/{instance_id}

```
1 // Example: /api/modules/fuel/1
2
3 {
4
5 }
6
```

/api/modules/{module_name}/{instance_id}/settings

```
1 // Example: /api/modules/fuel/1/settings
2
3 {
4
5 }
6
```

/api/categories

```
1 // Example: /api/categories
2
3 {
4     "categories": [
5         {
6
7         }
8     ]
9 }
10
```

/api/categories/{category_name}

```
1 // Example: /api/modules/categories/productivity
2
3 {
4
5 }
6
```