

# API Links

Please use API tools like PostMan to test the following APIs

\* **authenticate-user api**

\* **create-update-user api**

\* **panic-request api**

\* **get-panic-requests-data api**

The Object needs to be hashed, before passing over the wire. The example of un-hashed message body is as below and before the API is consumed, you need to MD hash the object. This to add some salt on the security of this integration.

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## Authentication API

### Authentication Request schema

```
1 {
2   "$schema": "http://json-schema.org/draft-04/schema#",
3   "type": "object",
4   "properties": {
5     "email": {
6       "type": "string"
7     },
8     "password": {
9       "type": "string"
10    }
11  },
12  "required": [
13    "email",
```

```
14 |     "password"
15 |   ]
16 | }
```

## Authentication Response schema

```
1 | {
2 |   "$schema": "http://json-schema.org/draft-04/schema#",
3 |   "type": "object",
4 |   "properties": {
5 |     "message": {
6 |       "type": "string"
7 |     }
8 |   }
9 | }
```

## Example

### Third Party Request: **POST**

```
1 | {
2 |   "email": "user@aura.net",
3 |   "password": "Cd@u@#$□45"
4 | }
```

### Panic Auth System Response: (MVP1)

#### Successful Response

```
1 | {
2 |   "access_token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJodHRwczpcL1wvc2JzLW
3 |   "status": "Success",
4 |   "message": "Authentication Successful"
5 | }
```

#### Invalid Response

```
1 | {
2 |   "access_token": "",
3 |   "status": "Error",
4 |
5 | }
```

```
{
  "message": "Invalid Credentials"
}
```

► Details

# create-update user API

## create user Request schema (MVP1)

```
1  {
2    "$schema": "http://json-schema.org/draft-04/schema#",
3    "type": "object",
4    "properties": {
5      "name": {
6        "type": "string"
7      },
8      "surname": {
9        "type": "string"
10     },
11     "gender": {
12       "type": "integer"
13     },
14     "date_of_birth": {
15       "type": "string"
16     },
17     "email": {
18       "type": "string"
19     },
20     "marital_status": {
21       "type": "string"
22     },
23     "mobile_number": {
24       "type": "string"
25     },
26     "role_id": {
27       "type": "integer"
28     },
29     "user_type": {
30       "type": "integer"
31     },
32     "emergency_number": {
33       "type": "string"
34     },
35     "location": {
36       "type": "string"
37     },
38     "user_photo": {
39       "type": "string"
40     },
41     "address_line_1": {
```

```

42     "type": "string"
43 },
44 "zip_code": {
45     "type": "string"
46 },
47 "city": {
48     "type": "string"
49 },
50 "username": {
51     "type": "string"
52 },
53 "password": {
54     "type": "string"
55 },
56 "country": {
57     "type": "integer"
58 },
59 "third_party_url": {
60     "type": "string"
61 }
62 },
63 "required": [
64     "name",
65     "surname",
66     "gender",
67     "date_of_birth",
68     "email",
69     "marital_status",
70     "mobile_number",
71     "role_id",
72     "user_type",
73     "emergency_number",
74     "location",
75     "user_photo",
76     "address_line_1",
77     "zip_code",
78     "city",
79     "username",
80     "password",
81     "country",
82 ]
83 }

```

## Example

### Panic System create user Request: **POST**

un-hashed request data object for creating a user (MVP1)

```

1 {

```

```
2  "name": "Tebalo",
3  "surname": "Thatho",
4  "gender": 1,
5  "date_of_birth": "20000910",
6  "email": "tebalost@live.com",
7  "marital_status": "single",
8  "mobile_number": "26662210960",
9  "role_id": 1,
10 "user_type": 2,
11 "emergency_number": "26623332833",
12 "location": "-25.645454, 26.645454",
13 "user_photo": "",
14 "address_line_1": "Khubetsoana",
15 "zip_code": "100",
16 "city": "Maseru",
17 "username": "tthatho1",
18 "password": "5ucc355",
19 "country": 1,
20 "third_party_url": "http://gogl.com"
21 }
```

#### hashed request message (MVP2)

```
1  {
2    "message": "675710c59f36aaee28bbfbb93a29cb4f"
3  }
```

## Panic System Response:

### Successful Response

#### un-hashed response data object

```
1  {
2    "status": "Success",
3    "message": "Successfully created {user_info}"
4  }
```

#### hashed response message

```
1  {
2    "message": "10f1aae1a4ecd0e30c783f5afa978c0c"
3  }
```

### Invalid Response

```
1  {
```

```
2 | "status": "Error",
3 | "message": "User Already Exists, please login instead."
4 | }
```

# Send Panic Request API

## send-panic Request schema

```
1 | {
2 |   "$schema": "http://json-schema.org/draft-04/schema#",
3 |   "title": "send_panic_request",
4 |   "description": "send panic request object",
5 |   "type": "object",
6 |   "properties": {
7 |     "request_details": {
8 |       "title": "personal_details",
9 |       "description": "Sending Panic Details to the server",
10 |      "type": "object",
11 |      "properties": {
12 |        "user_id": {
13 |          "type": "number"
14 |        },
15 |        "coordinates": {
16 |          "type": "string"
17 |        },
18 |        "user_map_location": {
19 |          "type": "string"
20 |        },
21 |        "request_date": {
22 |          "type": "string"
23 |        },
24 |        "request_time": {
25 |          "type": "string"
26 |        }
27 |      },
28 |      "required": [
29 |        "user_id",
30 |        "coordinates",
31 |        "user_map_location",
32 |        "request_date",
33 |        "request_time"
34 |      ]
35 |    }
36 |  }
37 | }
```

## Send Panic Response schema

```

1  {
2    "$schema": "http://json-schema.org/draft-04/schema#",
3    "type": "object",
4    "properties": {
5      "response_data": {
6        "type": "object",
7        "properties": {
8          "request_status": {
9            "type": "string"
10         },
11         "instruction": {
12           "type": "string"
13         },
14         "request_id": {
15           "type": "string"
16         }
17       },
18       "required": [
19         "request_status",
20         "instruction",
21         "request_id"
22       ]
23     },
24     "status": {
25       "type": "string"
26     },
27     "message": {
28       "type": "string"
29     }
30   },
31   "required": [
32     "data",
33     "status",
34     "message"
35   ]
36 }

```

## Example

### Send Panic Request: **POST**

#### un-hashed request data object

```

1  {
2    "request_details": {
3      "user_id": 178,
4      "coordinates": "-26.0053149,28.098312",
5      "user_map_location": "Pierneef Street Midrand, Gauteng, 1686, South Africa",
6      "request_date": "2021-08-29",

```

```
7 |     "request_time": "12:09:34"
8 |   }
9 | }
```

#### hashed request message

```
1 | {
2 |   "message": "675710c59f36aaee28bbfbb93a29cb4f"
3 | }
```

## Panic System Response:

### Successful ASync Response

un-hashed response data object (locate\_providers would trigger a worker to locate providers in the area of the user request then send a notification to all drivers)

```
1 | {
2 |   "response_data": {
3 |     "status": "Pending",
4 |     "instruction": "locate_providers",
5 |     "request_id": "edjrdpjhjehrwehr45945jir",
6 |     "timestamp": "2021-08-29 12:09:35"
7 |   },
8 |   "message": "Panic Request Successfully send, Waiting for providers to accept reque
9 | }
```

#### hashed response message

```
1 | {
2 |   "message": "10f1aae1a4ecd0e30c783f5afa978c0c"
3 | }
```

### Invalid Response

```
1 | {
2 |   "response_data": {
3 |     "status": "Failed",
4 |     "instruction": "notify_user",
5 |     "request_id": "edjrdpjhjehrwehr45945jir",
6 |     "timestamp": "2021-08-29 12:09:35"
7 |   }
8 |   "status": "Request Failed, all providers currently busy, please try again after fe
9 | }
```



---

## Get all Panic Requests: GET

### un-hashed response data object

```
1 {
2   "request_data": [
3     {
4       "id": 178,
5       "user": "Lipolelo Maseru",
6       "country": "South Africa",
7       "coordinates": "-26.0053149,28.098312",
8       "user_map_location": "6 Pierneef Street Midrand, Gauteng, 1686, South Africa",
9       "request_date": "2021-08-27",
10      "request_time": "18:56:07",
11      "status": "EN-ROUTE"
12    },
13    {
14      "id": 179,
15      "user": "Metsing Hata",
16      "country": "Lesotho",
17      "coordinates": "-26.0053156,28.098389",
18      "user_map_location": "1603 Waterfall Crest Midrand, Gauteng, 1686, South Africa",
19      "request_date": "2021-08-29",
20      "request_time": "12:09:34",
21      "status": "Completed"
22    }
23  ],
24  "status": "Success",
25  "message": "Report Successfully Generated"
26 }
```

### hashed request message

```
1 {
2   "message": "675710c59f36aaee28bbfbb93a29cb4f"
3 }
```

---

## Provider Accepting Request API

### send-panic Request schema

```
1 {
2   "$schema": "http://json-schema.org/draft-04/schema#",
```

```

3  "title": "send_panic_request",
4  "description": "update user request after provider accepts the panic request obje
5  "type": "object",
6  "properties": {
7    "request_details": {
8      "title": "accept_panic_request",
9      "description": "Sending Panic Details to the server",
10     "type": "object",
11     "properties": {
12       "user_id": {
13         "type": "number"
14       },
15       "provider_id": {
16         "type": "number"
17       },
18       "coordinates": {
19         "type": "string"
20       },
21       "user_map_location": {
22         "type": "string"
23       },
24       "accept_date": {
25         "type": "string"
26       },
27       "accept_time": {
28         "type": "string"
29       },
30       ,
31       "request_id": {
32         "type": "string"
33       }
34     },
35     "required": [
36       "user_id",
37       "provider_id",
38       "coordinates",
39       "user_map_location",
40       "accept_date",
41       "accept_time",
42       "request_id"
43     ]
44   }
45 }
46 }

```

## Send Panic Response schema

```

1  {
2    "$schema": "http://json-schema.org/draft-04/schema#",
3    "type": "object",
4    "properties": {
5      "response_data": {

```

```

6      "type": "object",
7      "properties": {
8          "request_status": {
9              "type": "string"
10         },
11         "instruction": {
12             "type": "string"
13         },
14         "request_id": {
15             "type": "string"
16         }
17     },
18     "required": [
19         "request_status",
20         "instruction",
21         "request_id"
22     ]
23 },
24 "status": {
25     "type": "string"
26 },
27 "message": {
28     "type": "string"
29 }
30 },
31 "required": [
32     "data",
33     "status",
34     "message"
35 ]
36 }

```

## Example

### Send Panic Request: **POST**

#### un-hashed request data object

```

1  {
2      "accept_details": {
3          "user_id": 178,
4          "provider_id": 388,
5          "coordinates": "-26.0053149,28.098312",
6          "provider_map_location": "Pierneef Street Midrand, Gauteng, 1686, South Africa"
7          "accept_date": "2021-08-29",
8          "accept_time": "12:13:14",
9          "request_id": "edjrdpfhjehrwehr45945jir"
10     }
11 }

```

hashed request message

```
1 {  
2   "message": "675710c59f36aaee28bbfbb93a29cb4f"  
3 }
```

Title: Send Panic Request to the server  
User Login -> Web Service : Send Authenticate Request  
Lookup User in DB -> Validate : Display User Dashboard  
Press PANIC Button -> Send Request: Store Details  
Login as Admin -> View Reports : Retrieve Records from DB