HelixTrack Core REST API documentation

The following sections list all the HeliXTrack API calls specifications.

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Authentication API

Authenticate the user

- endpoint: /do
- method: POST
- payload:

```
{
  "action":     "authenticate"   /* mandatory */
  "username":   "string",        /* mandatory */
  "password":   "string",        /* mandatory */
  "locale":     "string"         /* optional  */
}
```

- response:

```
{
  "jwt":                        "string",
  "errorCode":                  -1,
  "errorMessage":               "string",
```

```
      "errorMessageLocalised":  "string"
   }
```

The JWT payload

```
{
  "sub":                    "authentication",
  "name":                   "string",
  "username":               "string",
  "role":                   "string",
  "permissions":            "string",
  "htCoreAddress":          "string"
}
```

Sign out the user from the system

- endpoint: /do
- method: POST
- payload:

```
{
  "action":      "signOut"      /* mandatory */
  "jwt":         "string"       /* mandatory */
  "locale":      "string"       /* optional  */
}
```

- response:

```
{
  "errorCode":               -1,
  "errorMessage":            "string",
  "errorMessageLocalised":  "string"
}
```

Obtain the version of the authentication API service

- endpoint: /do
- method: POST
- payload:

```
{
  "action":      "version"      /* mandatory */
  "jwt":         "string"       /* mandatory */
```

```
    "locale":      "string"      /* optional  */
  }
```

- response:

```
{
  "version":                "string",
  "versionCode":            "string",
  "errorCode":              -1,
  "errorMessage":           "string",
  "errorMessageLocalised":  "string"
}
```

Core API

JWT capability check

- endpoint: /do
- method: POST
- payload:

```
{
  "action":      "jwtCapable"   /* mandatory */
  "locale":      "string"       /* optional  */
}
```

- response:

```
{
  "capable":                "boolean",
  "errorCode":              -1,
  "errorMessage":           "string",
  "errorMessageLocalised":  "string"
}
```

Database capability check

- endpoint: /do
- method: POST
- payload:

```
{
  "action":      "dbCapable"    /* mandatory */
```

```
    "locale":       "string"      /* optional */
  }
```

- response:

```
  {
    "capable":               "boolean",
    "errorCode":             -1,
    "errorMessage":          "string",
    "errorMessageLocalised": "string"
  }
```

System health

- endpoint: /do
- method: POST
- payload:

```
  {
    "action":      "health"      /* mandatory */
    "locale":      "string"      /* optional  */
  }
```

- response:

```
  {
    "report":                "string",
    "errorCode":             -1,
    "errorMessage":          "string",
    "errorMessageLocalised": "string"
  }
```

Obtain the version of the HelixTrack Core API service

- endpoint: /do
- method: POST
- payload:

```
  {
    "action":      "version"     /* mandatory */
    "jwt":         "string"      /* mandatory */
    "locale":      "string"      /* optional  */
  }
```

- response:

```
{
  "version":               "string",
  "versionCode":           "string",
  "errorCode":             -1,
  "errorMessage":          "string",
  "errorMessageLocalised": "string"
}
```

Perform the entity CRUD operations

- endpoint: /do
- method: POST
- payload:

```
{
  "action":      "string"      /* mandatory */
  "jwt":         "string"      /* mandatory */
  "locale":      "string"      /* optional  */
  "object":      "string"      /* mandatory */
}
```

- response:

```
{
  "id":                    "string",
  "errorCode":             -1,
  "errorMessage":          "string",
  "errorMessageLocalised": "string"
}
```

Supported action(s) are:

- create
- modify
- remove.

The object payload can be:

- JSON serialized value of the object if action is create or modify
- The UUID identifier of the object if it is the remove action.

Response will contain the UUID identifier of the object with no error code (-1) if operation is successful.

API response error codes

The following list contains all supported error codes:

- -1: No error
- 100X: Request related error codes
- 200X: System related error codes
- 300X: Entity related error codes

Note: More error codes will be documented soon.

Request related error codes

Tbd.

System related error codes

Tbd.

Entity related error codes

Tbd.

HashiCorp Vault API

HashiCorp Vault API documentation can be found here.

Note: Vault is used by the API services.