

User Logging

User Authentication (Auth0)

.decimal uses [Auth0](#) as it's user authentication service. Auth0 provides users logs including:

- Successful & Failed Logins
- Successful Logouts
- Blocked Account (after too many login attempts)

See below for example logs for common Auth0 events:

[Successful_login.json](#)

```
{
  "date": "2022-05-11T12:13:02.783Z",
  "type": "Success Exchange",
  "description": "",
  "connection_id": "",
  "client_id": "<REDACTED>",
  "client_name": "decimal Launcher",
  "ip": "<REDACTED>",
  "user_agent": "Electron 5.0.13 / Windows 10.0.0",
  "details": {
    "code": "<REDACTED>"
  },
  "hostname": "dotdecimal.us.auth0.com",
  "user_id": "<REDACTED>",
  "user_name": "<REDACTED>",
  "log_id": "<REDACTED>",
  "_id": "<REDACTED>",
  "isMobile": false,
  "type_code": "seacft",
  "os": "Windows 0.0.0",
  "os_version": "0.0.0",
  "device": "Other 0.0.0",
  "device_version": "0.0.0"
}
```

[Incorrect_password.json](#)

```
{
  "date": "2022-05-11T13:24:10.066Z",
```

```
"type": "fp",
"description": "Wrong email or password.",
"connection": "decimal",
"connection_id": "<REDACTED>",
"client_id": "<REDACTED>",
"client_name": "decimal Launcher",
"ip": "<REDACTED>",
"user_agent": "Electron 5.0.13 / Windows 10.0.0",
"details": {
  "error": {
    "message": "Wrong email or password."
  }
},
"user_id": "<REDACTED>",
"user_name": "<REDACTED>",
"strategy": "auth0",
"strategy_type": "database",
"log_id": "<REDACTED>",
"_id": "<REDACTED>",
"isMobile": false
}
```

Blocked_user.json

```
{
  "date": "2022-05-11T13:54:35.190Z",
  "type": "limit_wc",
  "description": "User (<REDACTED>) attempted 10 consecutive logins unsuccessfully. Brute force protection is enabled for this connection, further attempts are blocked from this IP address for this user.",
  "connection": "decimal",
  "connection_id": "<REDACTED>",
  "client_id": "<REDACTED>",
  "ip": "68.202.104.120",
  "user_agent": "Electron 5.0.13 / Windows 10.0.0",
  "hostname": "dotdecimal.us.auth0.com",
  "user_id": "",
  "user_name": "<REDACTED>",
  "log_id": "<REDACTED>",
  "_id": "<REDACTED>",
  "isMobile": false
}
```

Customer Applications

Customer Applications include .decimal developed applications used by end clinical users that are downloaded and installed on the customer's local computers. These may include, but are not limited to: p.d, decimal3D, decimal Launcher, and decimal eRT. See each application below for an example activity log.

p.d

p.d logs the local user activity and records the following information to it's local patient database:

| Log Item | Description |
|---------------------|--|
| username | The username/email of the user performing the action |
| patientName | An encrypted string for the patient the log entry applies to |
| medicalRecordNumber | An encrypted string for the patient the log entry applies to |
| uniquePlanName | An encrypted string for the plan the log entry applies to |
| planName | An encrypted string for the plan the log entry applies to |
| logDate | The local date time of the log entry |
| logEvent | The event that the log entry is for |

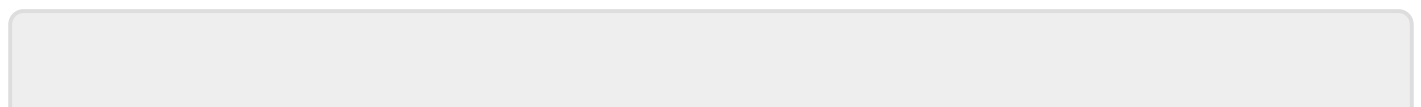
logEvents include, but are not limited to:

- User log in
- User log out
- Plan Opens
- Plan Saves
- Plan Closes
- Orders placed to decimal Direct
- Local and DICOM AE file exports (e.g.: DICOM)
- Patient deletion

decimal3D

decimal Direct

HTTPS API Logs



From:

<https://apps.dotdecimal.com/> - **decimal App Documentation**

Permanent link:

https://apps.dotdecimal.com/doku.php?id=support:user_logging&rev=1652279146

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