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Chapter 1

Module Documentation

1.1 Entities

1.1.0.1 ogit/Mobile/LicenceCodes

Unique Licence Codes which is used for mobile app activation.

• id: http://www.purl.org/ogit/Mobile/LicenceCodes

• valid-from: Thu Jul 09 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

· scope: NTO

· parent: ogit/Node

attributes

- · mandatory:
 - ogit/Mobile/licenceCode
- · optional:
 - ogit/Mobile/activationTime
 - ogit/Mobile/deactivationTime
 - ogit/Mobile/deviceType
 - ogit/Mobile/label
 - ogit/Mobile/lastActive
 - ogit/Mobile/licenceCode

outgoing edges

• ogit/activates => ogit/Mobile/AppInstance

1.1.0.2 ogit/Mobile/AppInstance

Mobile application instance.

• id: http://www.purl.org/ogit/Mobile/AppInstance

valid-from: Sun Mar 15 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

· scope: NTO

· parent: ogit/Node

attributes

- · optional:
 - ogit/Mobile/appPermissions
 - ogit/Mobile/appVersion
 - ogit/Mobile/firebaseToken
 - ogit/Mobile/lastActive
 - ogit/Mobile/osVersion
 - ogit/Mobile/registrationType
 - ogit/Mobile/uuid
 - ogit/consentLevel
 - ogit/description

incoming edges

- ogit/activates <= ogit/Mobile/LicenceCodes
- ogit/uses <= ogit/Mobile/HealthInfo

outgoing edges

- ogit/generates => ogit/Timeseries
- ogit/has => ogit/Mobile/Encounter
- ogit/has => ogit/Auth/Account

1.1.0.3 ogit/Mobile/Message

Message nodes created when new messages are available for App.

- id: http://www.purl.org/ogit/Mobile/Message
- · valid-from: Tue Apr 07 00:00:00 UTC 2020
- · creator: Kaushik Gondaliya
- · scope: NTO
- · parent: ogit/Node

attributes

- · optional:
 - ogit/Mobile/delivered
 - ogit/Mobile/enctime
 - ogit/name

1.1.0.4 ogit/Mobile/HealthInfo

information regarding app instance.

- id: http://www.purl.org/ogit/Mobile/HealthInfo
- valid-from: Thu Jul 09 00:00:00 UTC 2020
- · creator: Kaushik Gondaliya
- scope: NTO
- · parent: ogit/Node

attributes

- · optional:
 - ogit/Mobile/healthStatus
 - ogit/Mobile/healthStatusUpdateTime
 - ogit/Mobile/label
 - ogit/Mobile/licenceCode

outgoing edges

• ogit/uses => ogit/Mobile/AppInstance

1.1.0.5 ogit/Mobile/Encounter

Defined connection between applications.

- id: http://www.purl.org/ogit/Mobile/Encounter
- valid-from: Sun Mar 15 00:00:00 UTC 2020
- · creator: Kaushik Gondaliya
- · scope: NTO
- parent: ogit/Node

attributes

- · optional:
 - ogit/Mobile/category
 - ogit/Mobile/criticality
 - ogit/Mobile/distance
 - ogit/Mobile/duration
 - ogit/Mobile/movementType
 - ogit/Mobile/riskScore
 - ogit/Mobile/time

incoming edges

• ogit/has <= ogit/Mobile/AppInstance

1.1.0.6 ogit/Auth/Account

An account is used for authentication and authorization.

• id: http://www.purl.org/ogit/Auth/Account

• valid-from: Mon Jan 01 00:00:00 UTC 2018

· creator: arago GmbH

· scope: NTO

· parent: ogit/Node

attributes

- · mandatory:
 - ogit/Auth/Account/type
 - ogit/name
 - ogit/status
- · optional:
 - ogit/Auth/Account/acceptedPrivacy
 - ogit/Auth/Account/acceptedProjectTerms
 - ogit/Auth/Account/acceptedTerms
 - ogit/Auth/Account/allowCookies
 - ogit/Auth/Account/statusReason
 - ogit/email

incoming edges

• ogit/has <= ogit/Mobile/AppInstance

1.1.0.7 ogit/Mobile/MsgTemplate

Message templates in different languages.

• id: http://www.purl.org/ogit/Mobile/MsgTemplate

• valid-from: Tue Apr 07 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

· scope: NTO

· parent: ogit/Node

attributes

- · optional:
 - ogit/Mobile/cta
 - ogit/Mobile/ctaTarget
 - ogit/Mobile/ctaType
 - ogit/Mobile/headline
 - ogit/Mobile/locale
 - ogit/Mobile/message
 - ogit/Mobile/subline
 - ogit/name

1.1.0.8 ogit/Timeseries

A time series is a sequence of data points, measured typically at successive points in time spaced at uniform time intervals.

• id: http://www.purl.org/ogit/Timeseries

· valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

scope: SGO

· parent: ogit/Node

attributes

- · optional:
 - ogit/description
 - ogit/instance
 - ogit/isMutable
 - ogit/name
 - ogit/unit

incoming edges

• ogit/generates <= ogit/Mobile/AppInstance

1.2 Verbs 6

1.2 Verbs

1.2.0.1 ogit/generates

Verb indicating if an entity generates another entity.

```
• id: http://www.purl.org/ogit/generates
```

· valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

Allowed Connection

ogit/Mobile/AppInstance => ogit/Timeseries

1.2.0.2 ogit/activates

entity activates other entity.

```
• id: http://www.purl.org/ogit/activates
```

• valid-from: Thu Jul 09 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

Allowed Connection

• ogit/Mobile/LicenceCodes => ogit/Mobile/AppInstance

1.2.0.3 ogit/uses

This relationship indicates that some entity is used by some other.

```
• id: http://www.purl.org/ogit/uses
```

· valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

Allowed Connection

• ogit/Mobile/HealthInfo => ogit/Mobile/AppInstance

1.2.0.4 ogit/has

Indicates if an entity has another entity.

```
• id: http://www.purl.org/ogit/has
```

valid-from: Thu Mar 28 00:00:00 UTC 2019

· creator: Kaushik Gondaliya

Allowed Connection

- ogit/Mobile/AppInstance => ogit/Mobile/Encounter
- ogit/Mobile/AppInstance => ogit/Auth/Account

1.3 Attributes

1.3.0.1 ogit/Mobile/licenceCode

unique uuid number

```
• id: http://www.purl.org/ogit/Mobile/licenceCode
```

• valid-from: Thu Jul 09 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

used

- · mandatory:
 - ogit/Mobile/LicenceCodes
- · optional:
 - ogit/Mobile/HealthInfo
 - ogit/Mobile/LicenceCodes

1.3.0.2 ogit/Mobile/healthStatus

current health status about the person using the device

```
• id: http://www.purl.org/ogit/Mobile/healthStatus
```

• valid-from: Thu Jul 09 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/HealthInfo

1.3.0.3 ogit/email

An email address.

```
• id: http://www.purl.org/ogit/email
```

• valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

- optional:
 - ogit/Auth/Account

1.3.0.4 ogit/Mobile/category

TODO

```
• id: http://www.purl.org/ogit/Mobile/category
```

• valid-from: Mon Mar 16 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/Encounter

1.3.0.5 ogit/Mobile/message

text for message

- id: http://www.purl.org/ogit/Mobile/message
- valid-from: Tue Apr 07 00:00:00 UTC 2020
- · creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/MsgTemplate

1.3.0.6 ogit/Mobile/lastActive

the last day when app was used.

- id: http://www.purl.org/ogit/Mobile/lastActive
- valid-from: Thu Jul 09 00:00:00 UTC 2020
- creator: Kaushik Gondaliya

- · optional:
 - ogit/Mobile/AppInstance
 - ogit/Mobile/LicenceCodes

1.3.0.7 ogit/Mobile/deviceType

type of device such as Mobile, FOB...

• id: http://www.purl.org/ogit/Mobile/deviceType

• valid-from: Mon Mar 16 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/LicenceCodes

1.3.0.8 ogit/Mobile/osVersion

operating system version on which application is installed

- id: http://www.purl.org/ogit/Mobile/osVersion
- valid-from: Mon Mar 16 00:00:00 UTC 2020
- · creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/AppInstance

1.3.0.9 ogit/Mobile/ctaTarget

call to action target, for ex. web url

- id: http://www.purl.org/ogit/Mobile/ctaTarget
- valid-from: Tue Apr 07 00:00:00 UTC 2020
- creator: Kaushik Gondaliya

- optional:
 - ogit/Mobile/MsgTemplate

1.3.0.10 ogit/Mobile/time

Time when connection started.

```
• id: http://www.purl.org/ogit/Mobile/time
```

• valid-from: Mon Mar 16 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/Encounter

1.3.0.11 ogit/unit

Unit of measurement of some value.

```
• id: http://www.purl.org/ogit/unit
```

valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

used

- · optional:
 - ogit/Timeseries

1.3.0.12 ogit/status

A status for an entity. At this level of specification no list of values is specified. However, applications using this attribute are expected to allow only a fixed list of values that seems usefual in the application's semantic context.

```
• id: http://www.purl.org/ogit/status
```

• valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

- mandatory:
 - ogit/Auth/Account

1.3.0.13 ogit/Mobile/appPermissions

permission available for the application

• id: http://www.purl.org/ogit/Mobile/appPermissions

• valid-from: Mon Mar 16 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/AppInstance

1.3.0.14 ogit/Mobile/enctime

TODO

- id: http://www.purl.org/ogit/Mobile/enctime
- valid-from: Tue Apr 07 00:00:00 UTC 2020
- · creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/Message

1.3.0.15 ogit/Mobile/firebaseToken

firebaseToken

- id: http://www.purl.org/ogit/Mobile/firebaseToken
- valid-from: Tue Apr 07 00:00:00 UTC 2020
- creator: Kaushik Gondaliya

- · optional:
 - ogit/Mobile/AppInstance

1.3.0.16 ogit/Mobile/locale

locale code defined in which language message should be retuned

```
• id: http://www.purl.org/ogit/Mobile/locale
```

• valid-from: Tue Apr 07 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/MsgTemplate

1.3.0.17 ogit/Mobile/registrationType

registration Type, to identify push notification service used, if yes then which one

```
• id: http://www.purl.org/ogit/Mobile/registrationType
```

valid-from: Tue Apr 07 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/AppInstance

1.3.0.18 ogit/Mobile/label

label for licence code.

```
• id: http://www.purl.org/ogit/Mobile/label
```

valid-from: Thu Jul 09 00:00:00 UTC 2020

• creator: Kaushik Gondaliya

- optional:
 - ogit/Mobile/HealthInfo
 - ogit/Mobile/LicenceCodes

1.3.0.19 ogit/Auth/Account/statusReason

Status Reason of an ogit/Auth/Account

```
• id: http://www.purl.org/ogit/Auth/Account/statusReason
```

• valid-from: Mon Jan 01 00:00:00 UTC 2018

· creator: arago GmbH

used

- · optional:
 - ogit/Auth/Account

1.3.0.20 ogit/Mobile/headline

headline for message

- id: http://www.purl.org/ogit/Mobile/headline
- valid-from: Tue Apr 07 00:00:00 UTC 2020
- · creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/MsgTemplate

1.3.0.21 ogit/Mobile/uuid

uuid is unique identifier for application.

- id: http://www.purl.org/ogit/Mobile/uuid
- valid-from: Mon Mar 16 00:00:00 UTC 2020
- creator: Kaushik Gondaliya

- · optional:
 - ogit/Mobile/AppInstance

1.3.0.22 ogit/Mobile/duration

time duration of the connection

```
• id: http://www.purl.org/ogit/Mobile/duration
```

• valid-from: Mon Mar 16 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/Encounter

1.3.0.23 ogit/Mobile/ctaType

call to action type

- id: http://www.purl.org/ogit/Mobile/ctaType
- valid-from: Tue Apr 07 00:00:00 UTC 2020
- creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/MsgTemplate

1.3.0.24 ogit/Auth/Account/type

Type of an account. Values: person, application

- id: http://www.purl.org/ogit/Auth/Account/type
- · valid-from: Mon Jan 01 00:00:00 UTC 2018
- creator: arago GmbH

- · mandatory:
 - ogit/Auth/Account

1.3.0.25 ogit/name

Contains a name.

```
• id: http://www.purl.org/ogit/name
```

valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

used

- · mandatory:
 - ogit/Auth/Account
- · optional:
 - ogit/Mobile/Message
 - ogit/Mobile/MsgTemplate
 - ogit/Timeseries

1.3.0.26 ogit/description

Contains a description.

```
• id: http://www.purl.org/ogit/description
```

· valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

used

- · optional:
 - ogit/Mobile/AppInstance
 - ogit/Timeseries

1.3.0.27 ogit/Mobile/subline

Additional text providing more information

```
• id: http://www.purl.org/ogit/Mobile/subline
```

• valid-from: Tue Apr 07 00:00:00 UTC 2020

• creator: Kaushik Gondaliya

- · optional:
 - ogit/Mobile/MsgTemplate

1.3.0.28 ogit/consentLevel

formal agreement with contact.

```
• id: http://www.purl.org/ogit/consentLevel
```

• valid-from: Mon Mar 16 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/AppInstance

1.3.0.29 ogit/Auth/Account/acceptedProjectTerms

Flag about whether HIRO Project terms were accepted

- id: http://www.purl.org/ogit/Auth/Account/acceptedProjectTerms
- valid-from: Mon Jan 01 00:00:00 UTC 2018
- · creator: arago GmbH

used

- · optional:
 - ogit/Auth/Account

1.3.0.30 ogit/Auth/Account/acceptedTerms

Flag about whether usage terms were accepted

- id: http://www.purl.org/ogit/Auth/Account/acceptedTerms
- valid-from: Mon Jan 01 00:00:00 UTC 2018
- creator: arago GmbH

- optional:
 - ogit/Auth/Account

1.3.0.31 ogit/Auth/Account/allowCookies

Flag about whether cookies are allowed

```
• id: http://www.purl.org/ogit/Auth/Account/allowCookies
```

• valid-from: Mon Jan 01 00:00:00 UTC 2018

· creator: arago GmbH

used

- · optional:
 - ogit/Auth/Account

1.3.0.32 ogit/isMutable

True if the value can be changed. E.g. after a service is provisioned.

```
• id: http://www.purl.org/ogit/isMutable
```

valid-from: Thu May 21 00:00:00 UTC 2015

· creator: Peter Larem

used

- optional:
 - ogit/Timeseries

1.3.0.33 ogit/Mobile/deactivationTime

time when licence code is deactivated.

```
• id: http://www.purl.org/ogit/Mobile/deactivationTime
```

• valid-from: Thu Jul 09 00:00:00 UTC 2020

• creator: Kaushik Gondaliya

- · optional:
 - ogit/Mobile/LicenceCodes

1.3.0.34 ogit/Mobile/criticality

TODO

```
• id: http://www.purl.org/ogit/Mobile/criticality
```

• valid-from: Mon Mar 16 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/Encounter

1.3.0.35 ogit/Mobile/movementType

type of movement such as foot, bus, train

- id: http://www.purl.org/ogit/Mobile/movementType
- valid-from: Mon Mar 16 00:00:00 UTC 2020
- · creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/Encounter

1.3.0.36 ogit/Mobile/delivered

boolean value, set true if message is delivered to app.

- id: http://www.purl.org/ogit/Mobile/delivered
- valid-from: Tue Apr 07 00:00:00 UTC 2020
- · creator: Kaushik Gondaliya

- · optional:
 - ogit/Mobile/Message

1.3.0.37 ogit/Auth/Account/acceptedPrivacy

Flag about whether privacy terms were accepted

• id: http://www.purl.org/ogit/Auth/Account/acceptedPrivacy

· valid-from: Mon Jan 01 00:00:00 UTC 2018

· creator: arago GmbH

used

- · optional:
 - ogit/Auth/Account

1.3.0.38 ogit/Mobile/healthStatusUpdateTime

last time when health status was updated. UTC timestamp format

- id: http://www.purl.org/ogit/Mobile/healthStatusUpdateTime
- valid-from: Thu Jul 09 00:00:00 UTC 2020
- · creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/HealthInfo

1.3.0.39 ogit/Mobile/distance

distance between two device where application is installed

- id: http://www.purl.org/ogit/Mobile/distance
- valid-from: Mon Mar 16 00:00:00 UTC 2020
- · creator: Kaushik Gondaliya

- optional:
 - ogit/Mobile/Encounter

1.3.0.40 ogit/Mobile/activationTime

time when licence code is activated.

```
• id: http://www.purl.org/ogit/Mobile/activationTime
```

• valid-from: Thu Jul 09 00:00:00 UTC 2020

· creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/LicenceCodes

1.3.0.41 ogit/Mobile/riskScore

risk score

- id: http://www.purl.org/ogit/Mobile/riskScore
- valid-from: Mon Mar 16 00:00:00 UTC 2020
- · creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/Encounter

1.3.0.42 ogit/Mobile/appVersion

mobile application version

- id: http://www.purl.org/ogit/Mobile/appVersion
- valid-from: Mon Mar 16 00:00:00 UTC 2020
- creator: Kaushik Gondaliya

- · optional:
 - ogit/Mobile/AppInstance

1.3.0.43 ogit/Mobile/cta

call to action. describe action should be taken by app user

• id: http://www.purl.org/ogit/Mobile/cta

• valid-from: Tue Apr 07 00:00:00 UTC 2020

• creator: Kaushik Gondaliya

used

- · optional:
 - ogit/Mobile/MsgTemplate

1.3.0.44 ogit/instance

Defines the name of an instance.

- id: http://www.purl.org/ogit/instance
- valid-from: Wed Aug 03 00:00:00 UTC 2016
- creator: Philipp Pelchmann

- optional:
 - ogit/Timeseries