



Nymi

# Connected Worker Platform

CWP Database Sample Queries

Version 1.0

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Table 1: Version History

Version	Date	Description
1.0	December 15, 2021	Initial release



# Introduction

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From CWP 1.2.0 and onwards, the solution can be configured to log contact tracing events, high skin temperature alerts, employee health attestation records, and secondary screening records. These records are kept in a SQL database. The purpose of this document is to provide sample queries to enable customers to integrate data analytic software with Nymi CWP solution.

## CWP Database Sample Queries

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### Skin Temperature Alerts

Skin temperature alerts are generated on the Nymi Band and uploaded to the database through Nymi Data Exchange Service. The skin temperature alerts are logged in the `dbo.NymiTempInfo` table.

```
SELECT [source_mac/blemacaddress]
      , [create_time]
      , [temperature_data]
FROM [<CWP_Database>].[dbo].[NymiTempInfo]
```

Table 2: Skin Temper Alert Table

Column	Description
<code>source_mac/blemacaddress</code>	BLE mac address of the Nymi Band that raised the temperature alert.
<code>create_time</code>	Unix timestamp of when the temperature alert is raised.
<code>temperature_data</code>	"1" indicates the skin temperature alert is raised.



## Health Attestation and Secondary Screening Records

The health attestation and secondary screening records are captured through the Nymi Health Check App. They are logged in the `dbo.attestation` table. The health attestation and secondary screening records are kept for the retention period, after which they will be automatically deleted.

```
SELECT [userid]
      , [isprimary]
      , [date]
      , [pass]
      , [detail]
      , [account]
      , [fullname]
      , [department]
      , [version]
      , [model_version]
      , [create_time]
      , [last_update_time]
      , [created_by]
      , [last_updated_by]
FROM [<CWP_Database>].[dbo].[Attestation]
```

Table 3: Health Attestation and Secondary Screening Table

Column	Description
userid	Email address of the employee (whom the record is created for)
isprimary • 1 • 0	Identify the type of record • Health attestation record • Secondary screening record
date	Unix timestamp of the date the record was created
pass • 1 • 0	Overall outcome of the record • Passed • Failed
detail	Content of the record
account	Username of the employee

Column	Description
fullname	First and last name of the employee
department	Department of the employee
version	Secondary screening questionnaire version number
model_version	Attestations questionnaire version number
create_time	Unix timestamp of the record was creation
last_update_time	Unix timestamp of the last time the record was updated
created_by	Username of the user who created the record
last_updated_by	Username of the user who updated the record most recently

## Contact Events

Contact events are generated by the Nymi Band when it came into close contact with another Nymi Band. The events are uploaded to the database by the Nymi Data Exchange Service. They are stored in the `dbo.FillContacts` table. The contact events records are kept for the retention period, after which they will be automatically deleted.

```
SELECT [source_mac]
      , [remote_mac]
      , [create_time]
FROM [<CWP_Database>].[dbo].[FullContacts]
```

Table 4: Contact Event Table

Column	Description
source_mac/blemacaddress	BLE mac address of the Nymi Band registered the contact event



Column	Description
rempte_mac	BLE mac addresses of the other Nymi Band that had contacted with the source_mac
create_time	Unix timestamp of when contact event was logged

## Authentication Events

The authentication events are recorded by the Nymi Band when the authentication state is changed. The events are then retrieved uploaded to the database Nymi Data Exchange Service. The authentication information is logged in the dbo.NymiAuthInfo table.

```
SELECT [source_mac/blemacaddress]
      , [create_time]
      , [authentication_data]
FROM [<CWP_Database>].[dbo].[NymiAuthInfo]
```

Table 5: Authentication Event table

Column	Description
source_mac/blemacaddress	BLE mac address of the Nymi Band that logged the authentication event.
create_time	Unix timestamp when an authentication event was registered on Nymi Band.
authentication_data	Type of the authentication event