

# CPR BROKER

## *Release notes*

**MAGENTA**<sub>AS</sub>

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# INTRODUCTION

This document lists all the versions of CPR Broker that are released after the first release.

# 1VERSION 1.0.1

This version is a minor enhancement for DPR data provider and data providers' configuration page.

The implementation is as follows

- Extra logging at key points in DPR to show decisions about using DPR diversion or skipping it.
- A new configuration property : DisableDiversion has been added to DPR data provider. The new property disables usage of DPR diversion (viderestilling) and thus using only the local DPR database records.
- The data providers configuration page now shows Boolean data provider properties as check boxed.

## 2 VERSION 1.1.0

This version contains some changes to the core engine, affecting List operation, and also some bug fixes in engine and DPR.

### 2.1 Interface changes

The interface now defines a new status code, 206. This code means that the interface method succeeded only partially. This status code can now only be returned from List operation, if not all requested person UUIDs have succeeded, but at least one UUID was read successfully.

In clear text, List operation will return status codes as follows

- 200 (OK) if all the UUIDs were found and successfully read.
- 206 (PARTIAL\_SUCCESS) if all UUIDs were mapped to CPR numbers, at least one person was retrieved and at least one person UUID not retrieved. The status text field will contain more details (including the UUIDs).

- 400 (BAD\_CLIENT\_REQUEST) if

The application token is invalid, or

Input validation fails for a well known reason, such as an invalid/unknown UUID.

- 500 (UNSPECIFIED) if

Input validation fails for an unknown reason

An exception has occurred and cannot be handled

- 503 (DATASOURCE\_UNAVAILABLE) if

There are no internal or external data providers defined in the system that can process the request, or

All the UUIDs did not match any known person data

The above description applies to all other interface methods, except for the parts that are specific to List()

### 2.2 Changed DLLs

#### 2.2.1 CprBroker.Engine

- Sub methods can now be greater than maximum wait handles supported by the

system. This affects the List method at the moment.

- The ability for methods to partially success, implemented through the enumeration `AggregationFailOption`. This only affects `List()` at the moment.

### **2.2.2CprBroker.Schemas**

- New return code : 206 (`PARTIAL_SUCCESS`)
- Code refactoring and some new construction methods

### **2.2.3CprBroker.Providers.DPR**

- Bug fix for conversion from decimal to date where month or day is zero. A zero is converted to one, which assumes that a zero month means beginning of the year (January)

## 3VERSION 1.1.1

The List operation no longer completely fails if one or more UUID is not mapped to a CPR number. Instead, this case is treated in a similar way as if there is no data provider that has data for the CPR number, although the error message is different.

In clear text, List operation will return status codes as follows

- 200 (OK) if all the UUIDs were found and successfully read
- 206 (PARTIAL\_SUCCESS) if at least one person was retrieved and at least one person UUID not mapped to a CPR number or whose data could not be retrieved. The status text field will contain more details (including the UUIDs). The error message would be like this :

Partial success. Failed = Unknown UUID : <uuid1,uuid1,...>;Data provider failed : <uuid3,uuid4,...>

- 400 (BAD\_CLIENT\_REQUEST) if
  - o The application token is invalid, or
  - o Input validation fails for a well known reason, such as an invalid UUID.
- 500 (UNSPECIFIED) if
  - o Input validation fails for an unknown reason
  - o An exception has occurred and cannot be handled
- 503 (DATASOURCE\_UNAVAILABLE) if
  - o There are no internal or external data providers defined in the system that can process the request, or
  - o All the UUIDs did not match any known CPR number or person data

The above description applies to all other interface methods, except for the parts that are specific to List()

### 3.1Changed Dlls

#### 3.1.1CprBroker.Engine

- UUID mapping to CPR numbers is now part of the actual read operation logic rather than input validation.
- New method SubMethodInfo. PossibleErrorReason().

### 3.1.2CprBroker.Schemas

- Handling of different failure reasons in partial success.
- New method : `TilstandVirkningType.ToVirkningType()`
- Bug fix for calculation of effect dates for a person registration whole effect (`RegistreringType1.Virkning`). The new calculation takes into account all `TilstandVirkningType` objects in the `RegistreringType1` object.
- `ToLifeStatus()` now throws an exception if the given status is invalid. This is determined through the new method `IsValidCivilRegistrationStatus()` which relies on a new enumeration: `PersonCivilRegistrationStatusCode`.
- New method : `UnikIdType.Clone()`

### 3.1.3CprBroker.Utilities

- New method: `Utilities.Dates.DateRangeIncludes()`



## 4 VERSION 1.1.2

This version includes 2 main changes, the implementation of the E&M database as a data provider and a newer version of the installer itself.

### ***4.1 E&M Database implementation***

This implementation has started some time ago, but only included since this version. This implementation has been done in the file "CprBroker.Providers.E\_M.dll".

The implementation made use of extensive unit testing for almost every single method, covering almost all the possible test cases.

### ***4.2 New installer version***

#### **4.2.1 Custom actions**

The number of custom actions has been significantly reduced. Database operations are performed in 1 action per operation type. The same applies for web custom actions.

#### **4.2.2 Silent installations**

It is possible now to deploy CPR Broker without having user interface at all (and all other UI levels in windows installer).

#### **4.2.3 Easier upgrades**

It is now possible to upgrade an existing installation by simply running the installer of the new version. This is easier than the previous use of patches.

**MAGENTA<sup>AP</sup>s**

**adresse**

Stuðiestræde 14, 1.  
1455 København K

**email**

info@magenta-aps.dk

**telefon**

(+45) 33 36 96 96