|  |  |
| --- | --- |
|  | BeST example mutation files.  Example descriptions (V1.2) |

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## Changelog

V1.2:   
- Updated xml files according to XSD v24.4 requirements  
- Updated document to reflect xml update  
- Added mentioning what mutation file the example file is in instead of using group names  
- Changed example number on Wallonia Scenario: Creating a new municipality, postal info and part of municipality. [s3-4-5] to the same order of the xml file.  
- Removed “Additional examples” xml files.

## Mutation examples

#### Context of the examples and descriptions

The example mutation files are a set of XML files validated against XSD v24.4 containing example records that go through a sequence of mutations over a span of time. Each example represents a mutation happening at a different date, starting off with the oldest mutation and following up all the examples towards the end where the latest mutation happens.

The examples included are for all 3 regions with each region having the appropriate filename and ‘source’ tag within the mutation file. In this document each example has a number which corresponds to the number within the xml mutation files.

The example xml files are commented to aid in identifying the corresponding description within this document.

**Note:** All record data are strictly examples and do not reflect real address data.

## Examples Brussels

### Scenario: Creating a new municipality and new postal info. [s3-4]

#### [Mutation file: BeStAddress\_MBelgium20221123.zip] Example file: Brussels\_M\_20221123\_L72

Starting off with creating 2 **new** records a **municipality (scenario 4)** record and immediately a **new** **postal Info (scenario 3)**.  
Below are some details of these new records, the complete details should be viewed within the mutation file itself.

#### Example 1 - [ADD] Municipality

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/municipality |
| Object identifier | 21013 |
| Version Identifier | 1 |
| Spelling fr | Ganshoren I |
| Spelling nl | Ganshoren I |
| Status | Current |
| validFrom | 2022-11-23T10:32:58 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

#### Example 2 - [ADD] Postal info

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/postalinfo |
| Object identifier | 2000 |
| Version Identifier | 1 |
| Spelling fr | Ganshoren I |
| Spelling nl | Ganshoren I |
| Status | Current |
| validFrom | 2022-11-23T10:32:58 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

### Scenario: Creating a new street name and new address. [s1-2]

#### [Mutation file: BeStAddress\_MBelgium20221208.zip] Example file: Brussels\_M\_20221208\_L72

In this next mutation file, a **new** **street name (scenario 2)** that references the municipality added previously in the first file, and a **new address (scenario 1)** that references every record previously added including the new street name.

#### Example 3 - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/streetname |
| Object identifier | 7964 |
| Version Identifier | 1 |
| Spelling fr | Dixième Rue du Test |
| Assigned by municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T15:30:07 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

#### Example 4 - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/address |
| Object identifier | 982863 |
| Version Identifier | 1 |
| Has StreetName | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://databrussels.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T14:50:36 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

### Scenario: Address attribute changed. [s6]

#### [Mutation file: BeStAddress\_MBelgium20230202.zip] Example file: Brussels\_M\_20230202\_L72

In this example file you are shown how an attribute of an **address** that was previously created is changed. The attribute change in the mutation file is the house number value.

#### Example 5 (1/2) - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/address |
| Object identifier | 982863 |
| Version Identifier | 2 |
| Has StreetName | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://databrussels.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-02T14:50:36 |
| validTo | N/A |
| Predecessor | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 982863 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 5 (2/2) - [UPDATE] Address

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/address |
| Object identifier | 982863 |
| Version Identifier | 1 |
| Has StreetName | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://databrussels.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T14:50:36 |
| validTo | 2023-02-02T21:00:54 |
| Predecessor | N/A |
| Successor | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 982863 VersionIdentifier: 2 |

### Scenario: street name add spelling + language. [s15]

#### [Mutation file: BeStAddress\_MBelgium20230222.zip] Example file: Brussels\_M\_20230222\_L72

In this example a **street name** is getting an additional language, when a street name gets a new id, all addresses that reference the old street name must be updated to reference the new street name id. In this example there is only one **address** record referencing the street name.

#### Example 6 (1/2) - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/streetname |
| Object identifier | 7964 |
| Version Identifier | 2 |
| Spelling nl | Tiende Teststraat |
| Spelling fr | Dixième Rue du Test |
| Assigned by municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 7 (1/2) - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/address |
| Object identifier | 982863 |
| Version Identifier | 3 |
| Has StreetName | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Has Municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://databrussels.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-02T14:50:36 |
| validTo | N/A |
| Predecessor | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 982863 VersionIdentifier: 2 |
| Successor | N/A |

#### Example 7 (2/2) - [UPDATE] Address

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/address |
| Object identifier | 982863 |
| Version Identifier | 2 |
| Has StreetName | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://databrussels.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T14:50:36 |
| validTo | 2023-02-02T21:00:54 |
| Predecessor | N/A |
| Successor | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 982863 VersionIdentifier: 3 |

#### Example 6 (2/2) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/streetname |
| Object identifier | 7964 |
| Version Identifier | 1 |
| Spelling fr | Dixième Rue du Test |
| Assigned by municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T15:30:07 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |

### Scenario: Creating a new municipality, postal info and address. [s1-3-4]

#### [Mutation file: BeStAddress\_MBelgium20230223.zip] Example file: Brussels\_M\_20230223\_L72

A **new** **municipality (s4)**, **postal info (s3)** and **address (s1)** are created in this file. They will be used for later example scenarios. The new address references the same municipality, street name, postal info as the already existing address from a previous mutation file.

#### Example 8 - [ADD] Municipality

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/municipality |
| Object identifier | 53262 |
| Version Identifier | 1 |
| Spelling fr | Ganshoren I |
| Spelling nl | Ganshoren I |
| Status | Current |
| validFrom | 2023-02-23T10:32:58 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

#### Example 9 - [ADD] Postal info

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/postalinfo |
| Object identifier | 1200 |
| Version Identifier | 1 |
| Spelling fr | Ganshoren I |
| Spelling nl | Ganshoren I |
| Status | Current |
| validFrom | 2023-02-23T10:33:54 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

#### Example 10 - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/address |
| Object identifier | 720419 |
| Version Identifier | 1 |
| Has StreetName | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Has Municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://databrussels.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-23T15:30:07 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

### Scenario: Partial Street name split, into 1 new and 1 existing street names (A=A+B). [s22]

#### [Mutation file: BeStAddress\_MBelgium20230301.zip] Example file: Brussels\_M\_20230301\_L72

In this example a **street name** is being split into 2 street names with the original existing street name remaining in existence. ( A = A + B ). Street name A is split into street name A and B.

Changes to a street name causes a cascading effect on addresses that reference the changed street name. Any addresses that belong to the new street name (B) must update their reference accordingly. In this example situation only one **address** will be referencing the new split street name (B)

#### Example 11 - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/streetname |
| Object identifier | 4831 |
| Version Identifier | 1 |
| Spelling nl | Nieuwe Tiende Teststraat |
| Assigned by municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-01T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Successor | N/A |

#### Example 12 (1/2) - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/address |
| Object identifier | 720419 |
| Version Identifier | 2 |
| Has StreetName | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 4831 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://databrussels.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-01T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://databrussels.be/id/address ObjectIdentifier: 720419 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 12 (2/2) - [UPDATE] Address

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/address |
| Object identifier | 720419 |
| Version Identifier | 1 |
| Has StreetName | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Has Municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://databrussels.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-23T15:30:07 |
| validTo | 2023-03-01T15:30:07 |
| Predecessor | N/A |
| Successor | Namespace: https://databrussels.be/id/address ObjectIdentifier: 720419 VersionIdentifier: 2 |

### Scenario: Complete Street name split, into 2 new street names (A=B+C). [s21]

#### [Mutation file: BeStAddress\_MBelgium20230302.zip] Example file: Brussels\_M\_20230302\_L72

In this example **street name** (A) from previous example is being reused and split it into 2 new street names (A = B + C). Street name (A) expires, and 2 new street names are created.

**Note:** Street name (A) does not have any addresses referencing it in this example. If it did then the involved addresses would also be updated with the appropriate new references.

#### Example 13 (1/3) - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/streetname |
| Object identifier | 64464 |
| Version Identifier | 1 |
| Spelling nl | Split (B) straat |
| Assigned by municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Successor | N/A |

#### Example 13 (2/3) - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/streetname |
| Object identifier | 64465 |
| Version Identifier | 1 |
| Spelling nl | Split (C) straat |
| Assigned by municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Successor | N/A |

#### Example 13 (3/3) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/streetname |
| Object identifier | 7964 |
| Version Identifier | 2 |
| Spelling nl | Tiende Teststraat |
| Spelling fr | Dixième Rue du Test |
| Assigned by municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-22T15:30:07 |
| validTo | 2023-03-02T15:30:07 |
| Predecessor | N/A |
| Successor | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 64465 VersionIdentifier: 1 |
| Successor | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 64464 VersionIdentifier: 1 |

### Scenario: Partial Street names merge, both street names keep existing (A+B=A). [s23]

#### [Mutation file: BeStAddress\_MBelgium20230303.zip] Example file: Brussels\_M\_20230303\_L72

In this example **street name** (C) is being reused from previous file and will be partially merged it into street name (B) from previous example (B+C=B).

**Note:** in this example both street names (B and C) don’t have any addresses linked to them, if they did, all involved addresses would have been updated too.

#### Example 14 (1/2) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/streetname |
| Object identifier | 64465 |
| Version Identifier | 1 |
| Spelling nl | Split (C) straat |
| Assigned by municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 64464 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 14 (2/2) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/streetname |
| Object identifier | 64464 |
| Version Identifier | 1 |
| Spelling nl | Split (B) straat |
| Assigned by municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 64465 VersionIdentifier: 1 |
| Successor | N/A |

### Scenario: Complete Street names merge, both street names expire (A+B=C). [s24]

#### [Mutation file: BeStAddress\_MBelgium20230304.zip] Example file: Brussels\_M\_20230304\_L72

Street names (B and C) from previous examples are reused and merged into 1 new **street name** (B+C=D) Both Street names (B and C) expire upon merging.

**Note:** In this example both street names don’t have any addresses linked to them, otherwise all addresses would have needed to be updated to reference the new address id.

#### Example 15 (1/3) - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/streetname |
| Object identifier | 23432 |
| Version Identifier | 1 |
| Spelling nl | Merge (B en C) straat |
| Assigned by municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-04T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 64464 VersionIdentifier: 1 |
| Predecessor | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 64465 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 15 (2/3) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/streetname |
| Object identifier | 64464 |
| Version Identifier | 1 |
| Spelling nl | Split (B) straat |
| Assigned by municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | 2023-03-04T15:30:07 |
| Predecessor | N/A |
| Successor | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 23432 VersionIdentifier: 1 |

#### Example 15 (3/3) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://databrussels.be/id/streetname |
| Object identifier | 64465 |
| Version Identifier | 1 |
| Spelling nl | Split (C) straat |
| Assigned by municipality | Namespace: https://databrussels.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | 2023-03-04T15:30:07 |
| Predecessor | N/A |
| Successor | Namespace: https://databrussels.be/id/streetname ObjectIdentifier: 23432 VersionIdentifier: 1 |

## Examples Wallonia

### Scenario: Creating a new municipality, postal info and part of municipality. [s3-4-5]

#### [Mutation file: BeStAddress\_MBelgium20221123.zip] Example file: Wallonia\_M\_20221123\_L72

The same examples for Brussels also apply to Wallonia with the exception that Wallonia has one additional element ‘Part Of Municipality’ that no other region has. The same example scenarios are repeated here starting off with creating 2 new records a **municipality** **(s4)** record, a **postal Info (s3)** and for Wallonia the optional **part of municipality (s5).**

#### Example 1 - [ADD] Municipality

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/municipality |
| Object identifier | 21013 |
| Version Identifier | 1 |
| Spelling fr | Liège (A) |
| Spelling nl | Luik (A) |
| Status | Current |
| validFrom | 2022-11-23T10:32:58 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

#### Example 2 - [ADD] Part Of Municipality

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/PartOfMunicipality |
| Object identifier | 21014 |
| Version Identifier | 1 |
| Spelling fr | Avroy (A) |
| Status | Current |
| validFrom | 2022-11-23T10:32:58 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

#### Example 3 - [ADD] Postal info

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/postalinfo |
| Object identifier | 2000 |
| Version Identifier | 1 |
| Spelling fr | Liège (A) |
| Spelling nl | Luik (A) |
| Status | Current |
| validFrom | 2022-11-23T10:32:58 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

### Scenario: Creating a new street name and new address. [s1-2]

#### [Mutation file: BeStAddress\_MBelgium20221208.zip] Example file: Wallonia\_M\_20221208\_L72

In this next mutation file, a **new** **street name (s2)** that references the municipality added previously in the first file, and a **new** **address (s1)** that references every record previously added including the new street name.

#### Example 4 - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/streetname |
| Object identifier | 7964 |
| Version Identifier | 1 |
| Spelling fr | Dixième Rue du Test |
| Assigned by municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T15:30:07 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

#### Example 5 - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/address |
| Object identifier | 982863 |
| Version Identifier | 1 |
| Has StreetName | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://geodata.wallonie.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Has Part Of Municipality | Namespace: https://geodata.wallonie.be/id/PartOfMunicipality ObjectIdentifier: 21014 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T14:50:36 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

### Scenario: Address attribute changed. [s6]

#### [Mutation file: BeStAddress\_MBelgium20230202.zip] Example file: Wallonia\_M\_20230202\_L72

In this example file you are shown how an attribute of an **address** that was previously created is changed. The attribute change in the mutation file is the house number value.

#### Example 6 (1/2) - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/address |
| Object identifier | 982863 |
| Version Identifier | 2 |
| Has StreetName | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://geodata.wallonie.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Has Part Of Municipality | Namespace: https://geodata.wallonie.be/id/PartOfMunicipality ObjectIdentifier: 21014 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-02T14:50:36 |
| validTo | N/A |
| Predecessor | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 982863 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 6 (2/2) - [UPDATE] Address

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/address |
| Object identifier | 982863 |
| Version Identifier | 1 |
| Has StreetName | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://geodata.wallonie.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Has Part Of Municipality | Namespace: https://geodata.wallonie.be/id/PartOfMunicipality ObjectIdentifier: 21014 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T14:50:36 |
| validTo | 2023-02-02T21:00:54 |
| Predecessor | N/A |
| Successor | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 982863 VersionIdentifier: 2 |

### Scenario: street name add spelling + language. [s15]

#### [Mutation file: BeStAddress\_MBelgium20230222.zip] Example file: Wallonia\_M\_20230222\_L72

In this example a **street name** is getting an additional language, when a street name gets a new id, all addresses that reference the old street name must be updated to reference the new street name id. In this example there is only one **address** record referencing the street name.

#### Example 7 (1/2) - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/streetname |
| Object identifier | 7964 |
| Version Identifier | 2 |
| Spelling nl | Tiende Teststraat |
| Spelling fr | Dixième Rue du Test |
| Assigned by municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 8 (1/2) - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/address |
| Object identifier | 982863 |
| Version Identifier | 3 |
| Has StreetName | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Has Municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://geodata.wallonie.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Has Part Of Municipality | Namespace: https://geodata.wallonie.be/id/PartOfMunicipality ObjectIdentifier: 21014 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-02T14:50:36 |
| validTo | N/A |
| Predecessor | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 982863 VersionIdentifier: 2 |
| Successor | N/A |

#### Example 8 (2/2) - [UPDATE] Address

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/address |
| Object identifier | 982863 |
| Version Identifier | 2 |
| Has StreetName | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://geodata.wallonie.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Has Part Of Municipality | Namespace: https://geodata.wallonie.be/id/PartOfMunicipality ObjectIdentifier: 21014 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T14:50:36 |
| validTo | 2023-02-02T21:00:54 |
| Predecessor | N/A |
| Successor | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 982863 VersionIdentifier: 3 |

#### Example 7 (2/2) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/streetname |
| Object identifier | 7964 |
| Version Identifier | 1 |
| Spelling fr | Dixième Rue du Test |
| Assigned by municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T15:30:07 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |

### Scenario: Creating a new municipality, postal info and address. [s1-3-4]

#### [Mutation file: BeStAddress\_MBelgium20230223.zip] Example file: Wallonia\_M\_20230223\_L72

A new **municipality (s4)**, **postal info (s3)** and **address (s1)** are created in this file. They will be used for later example scenarios. The new address references the same municipality, street name, postal info as the already existing address from a previous mutation file.

#### Example 9 - [ADD] Municipality

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/municipality |
| Object identifier | 53262 |
| Version Identifier | 1 |
| Spelling fr | Ganshoren I |
| Spelling nl | Ganshoren I |
| Status | Current |
| validFrom | 2023-02-23T10:32:58 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

#### Example 10 - [ADD] Postal info

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/postalinfo |
| Object identifier | 1200 |
| Version Identifier | 1 |
| Spelling fr | Ganshoren I |
| Spelling nl | Ganshoren I |
| Status | Current |
| validFrom | 2023-02-23T10:33:54 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

#### Example 11 - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/address |
| Object identifier | 720419 |
| Version Identifier | 1 |
| Has StreetName | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Has Municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://geodata.wallonie.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Has Part Of Municipality | Namespace: https://geodata.wallonie.be/id/PartOfMunicipality ObjectIdentifier: 21014 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-23T15:30:07 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

### Scenario: Partial Street name split, into 1 new and 1 existing street names (A=A+B). [s22]

#### [Mutation file: BeStAddress\_MBelgium20230301.zip] Example file: Wallonia\_M\_20230301\_L72

In this example a **street name** is being split into 2 street names with the original existing street name remaining in existence. ( A = A + B ). Street name A is split into street name A and B.

Changes to a street name causes a cascading effect on addresses that reference the changed street name. Any addresses that belong to the new street name (B) must update their reference accordingly. In this example situation only one **address** will be referencing the new split street name (B)

#### Example 12 - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/streetname |
| Object identifier | 4831 |
| Version Identifier | 1 |
| Spelling nl | Nieuwe Tiende Teststraat |
| Assigned by municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-01T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Successor | N/A |

#### Example 13 (1/2) - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/address |
| Object identifier | 720419 |
| Version Identifier | 2 |
| Has StreetName | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 4831 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://geodata.wallonie.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Has Part Of Municipality | Namespace: https://geodata.wallonie.be/id/PartOfMunicipality ObjectIdentifier: 21014 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-01T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://geodata.wallonie.be/id/address ObjectIdentifier: 720419 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 13 (2/2) - [UPDATE] Address

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/address |
| Object identifier | 720419 |
| Version Identifier | 1 |
| Has StreetName | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Has Municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://geodata.wallonie.be/id/postalinfo ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Has Part Of Municipality | Namespace: https://geodata.wallonie.be/id/PartOfMunicipality ObjectIdentifier: 21014 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-23T15:30:07 |
| validTo | 2023-03-01T15:30:07 |
| Predecessor | N/A |
| Successor | Namespace: https://geodata.wallonie.be/id/address ObjectIdentifier: 720419 VersionIdentifier: 2 |

### Scenario: Complete Street name split, into 2 new street names (A=B+C). [s21]

#### [Mutation file: BeStAddress\_MBelgium20230302.zip] Example file: Wallonia\_M\_20230302\_L72

In this example **street name** (A) from previous example is being reused and split it into 2 new street names (A = B + C). Street name (A) expires, and 2 new street names are created.

**Note:** Street name (A) does not have any addresses referencing it in this example. If it did then the involved addresses would also be updated with the appropriate new references.

#### Example 14 (1/3) - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/streetname |
| Object identifier | 64464 |
| Version Identifier | 1 |
| Spelling nl | Split (B) straat |
| Assigned by municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Successor | N/A |

#### Example 14 (2/3) - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/streetname |
| Object identifier | 64465 |
| Version Identifier | 1 |
| Spelling nl | Split (C) straat |
| Assigned by municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Successor | N/A |

#### Example 14 (3/3) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/streetname |
| Object identifier | 7964 |
| Version Identifier | 2 |
| Spelling nl | Tiende Teststraat |
| Spelling fr | Dixième Rue du Test |
| Assigned by municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-22T15:30:07 |
| validTo | 2023-03-02T15:30:07 |
| Predecessor | N/A |
| Successor | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 64465 VersionIdentifier: 1 |
| Successor | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 64464 VersionIdentifier: 1 |

### Scenario: Partial Street names merge, both street names keep existing (A+B=A). [s23]

#### [Mutation file: BeStAddress\_MBelgium20230303.zip] Example file: Wallonia\_M\_20230303\_L72

In this example **street name** (C) is being reused from previous file and will be partially merged it into street name (B) also from previous example (B+C=B).

**Note:** in this example both street names (B and C) don’t have any addresses linked to them, if they did, all involved addresses would have been updated too.

#### Example 15 (1/2) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/streetname |
| Object identifier | 64465 |
| Version Identifier | 1 |
| Spelling nl | Split (C) straat |
| Assigned by municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 64464 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 15 (2/2) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/streetname |
| Object identifier | 64464 |
| Version Identifier | 1 |
| Spelling nl | Split (B) straat |
| Assigned by municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 64465 VersionIdentifier: 1 |
| Successor | N/A |

### Scenario: Complete Street names merge, both street names expire (A+B=C). [s24]

#### [Mutation file: BeStAddress\_MBelgium20230304.zip] Example file: Wallonia\_M\_20230304\_L72

Street names (B and C) from previous examples are reused and merged into 1 new **street name** (B+C=D) Both Street names (B and C) expire upon merging.

**Note:** In this example both street names don’t have any addresses linked to them, otherwise all addresses would have needed to be updated to reference the new address id.

#### Example 16 (1/3) - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/streetname |
| Object identifier | 23432 |
| Version Identifier | 1 |
| Spelling nl | Merge (B en C) straat |
| Assigned by municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-04T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 64464 VersionIdentifier: 1 |
| Predecessor | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 64465 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 16 (2/3) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/streetname |
| Object identifier | 64464 |
| Version Identifier | 1 |
| Spelling nl | Split (B) straat |
| Assigned by municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | 2023-03-04T15:30:07 |
| Predecessor | N/A |
| Successor | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 23432 VersionIdentifier: 1 |

#### Example 16 (3/3) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://geodata.wallonie.be/id/streetname |
| Object identifier | 64465 |
| Version Identifier | 1 |
| Spelling nl | Split (C) straat |
| Assigned by municipality | Namespace: https://geodata.wallonie.be/id/municipality ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | 2023-03-04T15:30:07 |
| Predecessor | N/A |
| Successor | Namespace: https://geodata.wallonie.be/id/streetname ObjectIdentifier: 23432 VersionIdentifier: 1 |

## Examples Flanders

### Scenario: Creating a new municipality and new postal info. [s3-4]

#### [Mutation file: BeStAddress\_MBelgium20221123.zip] Example file: Flanders\_M\_20221123\_L72

As with the other two regions the start of the examples is with creating 2 new records a **municipality (scenario 4)** record and a **postal Info (scenario 3)**.

#### Example 1 - [ADD] Municipality

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/gemeente/ |
| Object identifier | 21013 |
| Version Identifier | 1 |
| Spelling nl | Evergem (A) |
| Status | Current |
| validFrom | 2022-11-23T10:32:58 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

#### Example 2 - [ADD] Postal info

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/postinfo/ |
| Object identifier | 2000 |
| Version Identifier | 1 |
| Spelling nl | Evergem (A) |
| Status | Current |
| validFrom | 2022-11-23T10:32:58 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

### Scenario: Creating a new street name and new address. [s1-2]

#### [Mutation file: BeStAddress\_MBelgium20221208.zip] Example file: Flanders\_M\_20221208\_L72

In this next mutation file, a new **street name (scenario 2)** that references the municipality added previously in the first file, and a new **address (scenario 1)** that references every record previously added including the new street name.

#### Example 3 - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/straatnaam/ |
| Object identifier | 7964 |
| Version Identifier | 1 |
| Spelling fr | Dixième Rue du Test |
| Assigned by municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T15:30:07 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

#### Example 4 - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/adres/ |
| Object identifier | 982863 |
| Version Identifier | 1 |
| Has StreetName | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://data.vlaanderen.be/id/postinfo/ ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T14:50:36 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

### Scenario: Address attribute changed. [s6]

#### [Mutation file: BeStAddress\_MBelgium20230202.zip] Example file: Flanders\_M\_20230202\_L72

In this example file you are shown how an attribute of an **address** that was previously created is changed. The attribute change in the mutation file is the house number value.

#### Example 5 (1/2) - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/adres/ |
| Object identifier | 982863 |
| Version Identifier | 2 |
| Has StreetName | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://data.vlaanderen.be/id/postinfo/ ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-02T14:50:36 |
| validTo | N/A |
| Predecessor | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 982863 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 5 (2/2) - [UPDATE] Address

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/adres/ |
| Object identifier | 982863 |
| Version Identifier | 1 |
| Has StreetName | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://data.vlaanderen.be/id/postinfo/ ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T14:50:36 |
| validTo | 2023-02-02T21:00:54 |
| Predecessor | N/A |
| Successor | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 982863 VersionIdentifier: 2 |

### Scenario: street name add spelling + language. [s15]

#### [Mutation file: BeStAddress\_MBelgium20230222.zip] Example file: Flanders\_M\_20230222\_L72

In this example a **street name** is getting an additional language when a street name gets a new id.

**Note:** Flanders does not update addresses that reference the changed street name.

#### Example 6 (1/2) - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/straatnaam/ |
| Object identifier | 7964 |
| Version Identifier | 2 |
| Spelling nl | Tiende Teststraat |
| Spelling fr | Dixième Rue du Test |
| Assigned by municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 7964 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 6 (2/2) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/straatnaam/ |
| Object identifier | 7964 |
| Version Identifier | 1 |
| Spelling fr | Dixième Rue du Test |
| Assigned by municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2022-12-08T15:30:07 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 7964 VersionIdentifier: 2 |

### Scenario: Creating a new municipality, postal info and address. [s1-3-4]

#### [Mutation file: BeStAddress\_MBelgium20230223.zip] Example file: Flanders\_M\_20230223\_L72

A new **municipality (s4)**, **postal info (s3)** and **address (s1)** are created in this file. They will be used for later example scenarios. The new address references the same municipality, street name, postal info as the already existing address from a previous mutation file.

#### Example 7 - [ADD] Municipality

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/gemeente/ |
| Object identifier | 53262 |
| Version Identifier | 1 |
| Spelling fr | Ganshoren I |
| Spelling nl | Ganshoren I |
| Status | Current |
| validFrom | 2023-02-23T10:32:58 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

#### Example 8 - [ADD] Postal info

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/postinfo/ |
| Object identifier | 1200 |
| Version Identifier | 1 |
| Spelling fr | Ganshoren I |
| Spelling nl | Ganshoren I |
| Status | Current |
| validFrom | 2023-02-23T10:33:54 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

#### Example 9 - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/adres/ |
| Object identifier | 720419 |
| Version Identifier | 1 |
| Has StreetName | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Has Municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://data.vlaanderen.be/id/postinfo/ ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-23T15:30:07 |
| validTo | N/A |
| Predecessor | N/A |
| Successor | N/A |

### Scenario: Partial Street name split, into 1 new and 1 existing street names (A=A+B). [s22]

#### [Mutation file: BeStAddress\_MBelgium20230301.zip] Example file: Flanders\_M\_20230301\_L72

In this example a **street name** is being split into 2 street names with the original existing street name remaining in existence. ( A = A + B ). Street name A is split into street name A and B.

Changes to a street name causes a cascading effect on addresses that reference the changed street name. Any addresses that belong to the new street name (B) must update their reference accordingly. In this example situation only one **address** will be referencing the new split street name (B)

#### Example 10 - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/straatnaam/ |
| Object identifier | 4831 |
| Version Identifier | 1 |
| Spelling nl | Nieuwe Tiende Teststraat |
| Assigned by municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-01T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Successor | N/A |

#### Example 11 (1/2) - [ADD] Address

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/adres/ |
| Object identifier | 720419 |
| Version Identifier | 2 |
| Has StreetName | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 4831 VersionIdentifier: 1 |
| Has Municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://data.vlaanderen.be/id/postinfo/ ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-01T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://data.vlaanderen.be/id/adres/ ObjectIdentifier: 720419 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 11 (2/2) - [UPDATE] Address

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/adres/ |
| Object identifier | 720419 |
| Version Identifier | 1 |
| Has StreetName | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Has Municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Has PostalInfo | Namespace: https://data.vlaanderen.be/id/postinfo/ ObjectIdentifier: 2000 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-23T15:30:07 |
| validTo | 2023-03-01T15:30:07 |
| Predecessor | N/A |
| Successor | Namespace: https://data.vlaanderen.be/id/adres/ ObjectIdentifier: 720419 VersionIdentifier: 2 |

### Scenario: Complete Street name split, into 2 new street names (A=B+C). [s21]

#### [Mutation file: BeStAddress\_MBelgium20230302.zip] Example file: Flanders\_M\_20230302\_L72

In this example **street name** (A) from previous example is being reused and split it into 2 new street names (A = B + C). Street name (A) expires, and 2 new street names are created.

**Note:** Street name (A) does not have any addresses referencing it in this example. If it did then the involved addresses would also be updated with the appropriate new references.

#### Example 12 (1/3) - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/straatnaam/ |
| Object identifier | 64464 |
| Version Identifier | 1 |
| Spelling nl | Split (B) straat |
| Assigned by municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Successor | N/A |

#### Example 12 (2/3) - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/straatnaam/ |
| Object identifier | 64465 |
| Version Identifier | 1 |
| Spelling nl | Split (C) straat |
| Assigned by municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 7964 VersionIdentifier: 2 |
| Successor | N/A |

#### Example 12 (3/3) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/straatnaam/ |
| Object identifier | 7964 |
| Version Identifier | 2 |
| Spelling nl | Tiende Teststraat |
| Spelling fr | Dixième Rue du Test |
| Assigned by municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-02-22T15:30:07 |
| validTo | 2023-03-02T15:30:07 |
| Predecessor | N/A |
| Successor | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 64465 VersionIdentifier: 1 |
| Successor | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 64464 VersionIdentifier: 1 |

### Scenario: Partial Street names merge, both street names keep existing (A+B=A). [s23]

#### [Mutation file: BeStAddress\_MBelgium20230303.zip] Example file: Flanders\_M\_20230303\_L72

In this example **street name** (C) is being reused from previous file and will be partially merged it into street name (B) also from previous example (B+C=B).

**Note:** in this example both street names (B and C) don’t have any addresses linked to them, if they did, all involved addresses would have been updated too.

#### Example 13 (1/2) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/straatnaam/ |
| Object identifier | 64465 |
| Version Identifier | 1 |
| Spelling nl | Split (C) straat |
| Assigned by municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 64464 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 13 (2/2) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/straatnaam/ |
| Object identifier | 64464 |
| Version Identifier | 1 |
| Spelling nl | Split (B) straat |
| Assigned by municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 64465 VersionIdentifier: 1 |
| Successor | N/A |

### Scenario: Complete Street names merge, both street names expire (A+B=C). [s24]

#### [Mutation file: BeStAddress\_MBelgium20230304.zip] Example file: Flanders\_M\_20230304\_L72

**Note:** In this example both street names don’t have any addresses linked to them, otherwise all addresses would have needed to be updated to reference the new address id.

Street names (B and C) from previous examples are reused and merged into 1 new **street name** (B+C=D) Both Street names (B and C) expire upon merging.

#### Example 14 (1/3) - [ADD] Street name

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/straatnaam/ |
| Object identifier | 23432 |
| Version Identifier | 1 |
| Spelling nl | Merge (B en C) straat |
| Assigned by municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-04T15:30:07 |
| validTo | N/A |
| Predecessor | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 64464 VersionIdentifier: 1 |
| Predecessor | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 64465 VersionIdentifier: 1 |
| Successor | N/A |

#### Example 14 (2/3) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/straatnaam/ |
| Object identifier | 64464 |
| Version Identifier | 1 |
| Spelling nl | Split (B) straat |
| Assigned by municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | 2023-03-04T15:30:07 |
| Predecessor | N/A |
| Successor | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 23432 VersionIdentifier: 1 |

#### Example 14 (3/3) - [UPDATE] Street name

|  |  |
| --- | --- |
| Namespace | https://data.vlaanderen.be/id/straatnaam/ |
| Object identifier | 64465 |
| Version Identifier | 1 |
| Spelling nl | Split (C) straat |
| Assigned by municipality | Namespace: https://data.vlaanderen.be/id/gemeente/ ObjectIdentifier: 21013 VersionIdentifier: 1 |
| Status | Current |
| validFrom | 2023-03-02T15:30:07 |
| validTo | 2023-03-04T15:30:07 |
| Predecessor | N/A |
| Successor | Namespace: https://data.vlaanderen.be/id/straatnaam/ ObjectIdentifier: 23432 VersionIdentifier: 1 |