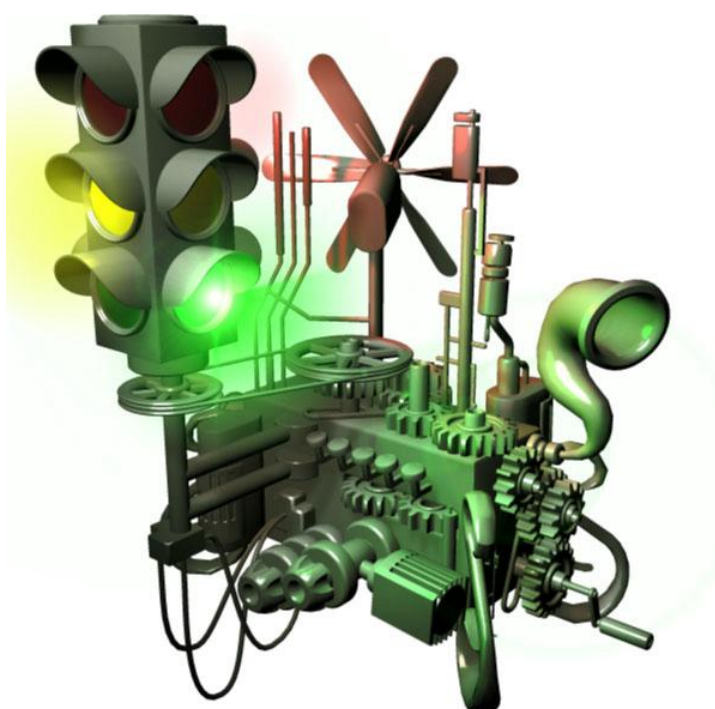


DecisionMaker

The Bisnode Match:it Information Source



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1 Target

This document is positioned towards software developers and integrators who are to use the DecisionMaker (DM) application in order to get information from Bisnode Match:it.

2 Documentation

In addition to this document the DM Integrationguide is required reading material. Documentation may be downloaded from www.soliditetd.no.

3 About this document

This document describes briefly how to fetch information from Bisnode Match:it using DecisionMaker. Bisnode Credit is not responsible for the actual information contents returned.

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4 Bisnode Match:it – Norwegian information

Bisnode Match:it has their information from postal registers, phone companies etc.

Because Bisnode Credit is basing their information on the Norwegian tax register, two situations may occur:

1. Name and address for a person returned from Bisnode Match:it may not be the same as registered at Bisnode Credit.
2. The person returned from Bisnode Match:it may *not* be registered at Bisnode Credit. This means the person in question has never paid Norwegian taxes. Usually because the person is too young.

Because of 1) above, using the name and address from Bisnode Match:it in a new request towards Bisnode Credit (for credit information or scoring) may fail. A special flag may be added to the last request in order to help maximizing the hit chance.

4.1 Bisnode Match:it Query

In order to query Bisnode Match:it, use the *informationHandler* "match:find:xml:server". This is available only when subscribed for.

Three arguments may be specified in the request:

- *searchMode*. Possible values (only one of them):
 - "Phonetic", "SmartPhonetic" or the number "3". This is the default.
 - "Exact" or the number "0"
 - "ExactPhonetic" or the number "2"
- *searchType*. Possible values (only one of them):
 - "P" for person search only
 - "C" or "F" for company searches
 - "B" for both company and person searches. This is the default
- *sources*. Match delivers, at the time of this writing (date: March 13, 2008), from the following sources. Specify them separated with a comma. Specifying none (default) is the same as specifying all:
 - "101", i.e. public/official registers
 - "507", i.e. postal register
 - "100", i.e. telecom registers
 - "501", i.e. trade registers (companies)

The arguments may be specified like this:

Using XML Services this flag is added like this:

```
....."match:find:xml:server"</informationHandler>
<addInfo><hashtableXML>
<element key="searchMode">Exact</element>
<element key="searchType">P</element>
<element key="sources">101,507</element>
</hashtableXML></addInfo> </request></dmRequest>"
```

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When using WebServices:

```
DmWSInformationRequest irq = new DmWSInformationRequest();
irq.setInformationHandler("match:find:xml:server");
DmWSElement mode = new DmWSElement();
mode.setName("searchMode"); mode.setVal("Exact");
DmWSElement type = new DmWSElement();
type.setName("searchType"); type.setVal("P");
DmWSElement sources = new DmWSElement();
sources.setName("sources"); sources.setVal("101,507");

//Using JAX-RPC:
irq.setAddInfo(new DmWSElement[]{mode, type, sources});
//Using JAX-WS:
irq.getAddInfo().add(mode);
irq.getAddInfo().add(type);
irq.getAddInfo().add(sources);
```

4.2 Bisnode Match:it result

The lay-out of the result from DecisionMaker's Bisnode Match:it (BM) does not equal to the same as what comes directly from BM's own WebServices. BM does not offer XML Services as DecisionMaker does. The contents however, i.e. the pure information, is of course the same as what comes directly from BM.

4.2.1 XML Services result

Example of a result:

```
<info>
  <exti>
    <match>
      <matchApplicant>
        <birthDate dateFormat="ddMMyyyy">14071964</birthDate>
        <rowId>1</rowId>
        <unitId>123456</unitId>
        <applicantType>P</applicantType>
        <birthNo/>
        <organizationNo/>
        <name>Surname Firstname</name>
        <firstName>firstname</firstName>
        <lastName>Surname</lastName>
        <address>street 12</address>
        <zipCode>1234</zipCode>
        <streetName>street 12</streetName>
        <city>Oslo</city>
        <countyNo>0301</countyNo>
        <countryCode>NO</countryCode>
        <houseNo>12</houseNo>
        <entrance/>
        <phone>12345678</phone>
        <mobile/>
        <searchType>0</searchType>
        <source>100</source>
      </matchApplicant>
      <matchApplicant>
        <birthDate dateFormat="ddMMyyyy">14071964</birthDate>
        <rowId>5</rowId>
        <unitId>123456</unitId>
        <applicantType>P</applicantType>
        <birthNo/>
        <organizationNo/>
        <name>Surname Firstname</name>
```

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```

        <firstName>firstname</firstName>
        <lastName>Surname</lastName>
        <address>street 111</address>
        <zipCode>1234</zipCode>
        <streetName>street</streetName>
        <city>Oslo</city>
        <countyNo>0301</countyNo>
        <countryCode>NO</countryCode>
        <houseNo>111</houseNo>
        <entrance/>
        <phone>12345678</phone>
        <mobile/>
        <searchType>0</searchType>
        <source>100</source>
      </matchApplicant>
    </match>
  </exti>
</info>

```

The `<source>` tag contains the same numbers as described for *sources* in chapter “4.1 Bisnode Match:it Query”. Note that the tag `<streetName>` may contain the street name only *or* both the street name *and* the house number.

4.2.2 WebServices result

As for all our *getInformation* method services, the result contains an XML. The *DmWSInformationResponse* object contains a string, *informationResult* that contains the same XML string as described in “4.2.1 XML Services result” above. In addition to that, all applicants from BM also are returned as *DmWSApplicant* objects. The *DmWSInformationResponse* object contains an *applicant's* member which is an array/list of *DmWSApplicant* objects.

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5 Use Bisnode Match:it result in a request towards Bisnode Credit

The information from Bisnode Match:it (BM) may or may not be equal to the information as it is registered at Bisnode Credit (BC). In order to ease the use of using a result from BM in a new credit check request towards BC, one may enable some extra verification process. This process makes several requests against the BC database, manipulating names and address in a certain way in order to make a hit. One should be aware that this does not guarantee a hit, even if BC and BM both has the same person/company registered, as the databases are based on different sources. So even if a request towards BC results in a “no hit”, BC still may have this person or company registered. The name and address may just not be the same...

To use a result from BM in a *new* query towards BC, specify the flag “verify” and set it to the value “true”.

Using XML Services this flag is added like this:

```
....."alpha:some_name_here:xml:server"</informationHandler>
<addInfo><hashtableXML><element key="verify">true</element>
</hashtableXML></addInfo> </request></dmRequest>"
```

When using WebServices:

```
DmWSInformationRequest irq = new DmWSInformationRequest();

// specify informationhandler (see document for Bisnode Credit as a source):
irq.setInformationHandler("alpha:some_name_here:xml:server");

// turn on extra verification
DmWSElement el = new DmWSElement(); el.setName("verify"); el.setVal("true");

// set "true" to maximize hit percentage
irq.setAddInfo( new DmWSElement[]{el});
// or, using JAX-WS:
irq.getAddInfo().add(el);
```

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