

Webservice - Person export

Technical Documentation -

Employee export

Version 1.0.1

Document Version	Webservice Version
1.0.0	hrm-ws 2011.1
1.0.1	hrm-ws 2012.1

Employee export

This service will look up employees in Visma Enterprise HRM and return one or more matching records in an XML format.

Root URI:

`http://<host>:<port>/<context>/secure/persons`

For example

http://visma-webservice:8080/hrm_ws/secure/persons

The following overview of resources only contains the relative path and should hence always be prefixed with the Root URI. All queries utilize HTTP GET.

Available resources:

PersonId

GET /id/<personId>

Returns all employment records for the person matching the provided personId or a blank XML if no matches are found.

Social Security Number

GET /ssn/<ssn>

Returns all employment records for the person matching the given Social Security Number or a blank XML if no matches are found.

BrukerAdmin userid

GET /userid/<userId>

Returns person record for the given security userid, or a blank XML if no matches are found.

BrukerAdmin username

GET /username/<username>

Returns person record for the given security username, or a blank XML if no matches are found.

Name

GET /name/firstname/<firstname>/lastname/<lastname>

Returns the full employment records of persons matching the full name. Wildcarding or partial names will not give hits.

Company & employeeld

GET /company/<companyId>/start-id/<startEmployeeId>/end-id/<endEmployeeId>

Matches all employees found in the range of employeelds for a given company. Will only return the employee details for that specific company.

Company & department

GET /company/<companyId>/department-start/<startDepartment>/department-end/<endDepartment>

Matches all employees found in the provided range of departments. Will only return employee details for the specified company. Department refers to Cost Centres and must not be confused with Units from the Organization structure.

Company & Termination interval

GET /company/<companyId>/terminated/date-interval/<start-date>/<end-date>

Retrieves all positions, and their attendant employee/person records, which have been terminated in a given interval. The dates use the same formats as our exports, yyyy-MM-dd

XML sample

```
<personsXML>
  <person personIdHRM="...">
    <givenName>...</givenName>
    <familyName>...</familyName>
    <ssn>...</ssn>
    <dateOfBirth>...</dateOfBirth>
    <genderCode>...</genderCode>
    <maritalStatus>...</maritalStatus>
    <municipality value="..." name="..." />
    <socialSecurityOffice value="..." name="..." />

    <postalAddress>
      <address1>...</address1>
      <address2>...</address2>
      <postalCode>...</postalCode>
      <postalArea>...</postalArea>
    </postalAddress>

    <contactInfo>
      <email>...</email>
      <workPhone>...</workPhone>
      <mobilePhone>...</mobilePhone>
      <privatePhone>...</privatePhone>
    </contactInfo>

    <dependents>
      <dependent>
        <relation>...</relation>
        <name>...</name>
        <birthYear>...</birthYear>
        <postalAddress>
          <address1>...</address1>
          <address2>...</address2>
          <postalCode>...</postalCode>
          <postalArea>...</postalArea>
        </postalAddress>
        <contactInfo>
          <email>...</email>
          <workPhone>...</workPhone>
          <mobilePhone>...</mobilePhone>
          <privatePhone>...</privatePhone>
        </contactInfo>
      </dependent>

      <dependent>
        ...
      </dependent>
    </dependents>

    <authentication>
      <userId>...</userId>
      <initials>...</initials>
      <username>...</username>
      <alias>...</alias>
      <alias>...</alias>
    </authentication>

    <employments>
      <employment>
```

```
<company>
  <organizationNumber>...</organizationNumber>
  <companyId>...</companyId>
  <companyName>...</companyName>
</company>
<employeeId>...</employeeId>
<startDate>...</startDate>
<endDate>...</endDate>
<employmentPercentage>...</employmentPercentage>
<union value="..." name="...">
<pension value="..." name="...">
<taxDetails>
  <taxMunicipality value="..." name="...">
  <taxDeductionCard cardId="..." cardType="..." cardName="...">
  <taxPercentage>...</taxPercentage>
  <taxExemptionCard>...</taxExemptionCard>
</taxDetails>

<bankDetails>
  <type>...</type>
  <accountNumber>...</accountNumber>
  <IBAN>...</IBAN>
  <swift>...</swift>
  <bankCode>...</bankCode>
</bankDetails>

<positions>
  <position isPrimaryPosition="..." validFromDate="...">
    <positionPercentage>...</positionPercentage>
    <positionStartDate>...</positionStartDate>
    <positionEndDate>...</positionEndDate>
    <seniorityDate>...</seniorityDate>
    <location value="..." name="...">
    <officeLocation value="..." name="...">
    <weeklyHours>...</weeklyHours>
    <yearlyHours>...</yearlyHours>

  <positionInfo>
    <positionCode positionCode="..." positionId="..." tableNr="..." name="...">
    <positionType value="..." name="...">
    <publicPositionCode value="..." name="...">
  </positionInfo>

  <costCentres>
    <dimension1 name="..." value="...">
    <dimension2 name="..." value="...">
    <dimension3 name="..." value="...">
    <dimension4 name="..." value="...">
    <dimension5 name="..." value="...">
    <dimension6 name="..." value="...">
    <dimension7 name="..." value="...">
    <dimension8 name="..." value="...">
    <dimension9 name="..." value="...">
    <dimension10 name="..." value="...">
  </costCentres>

  <positionStatistics>
    <businessNumber>...</businessNumber>
    <companyNumer>...</companyNumer>
    <workMunicipality value="..." name="...">
    <includeInPAI>...</includeInPAI>
    <includeInAA>...</includeInAA>
    <workClassification name="..." value="...">
  </positionStatistics>

  <salaryInfo>
    <salaryStartDate>...</salaryStartDate>
    <salaryEndDate>...</salaryEndDate>
    <yearlySalary>...</yearlySalary>
    <basicSalary>...</basicSalary>
    <authorizedPosition name="..." value="...">
    <salaryTable name="..." value="...">
    <paymentLocation name="..." value="...">
  </salaryInfo>
```

```
<shiftWork>...</shiftWork>
<workDaysInWeek monday="..." tuesday="..." wednesday="..." thursday="..." friday="..."
saturday="..." sunday="..."/>

<leave>
  <leaveFromDate>...</leaveFromDate>
  <leaveToDate>...</leaveToDate>
  <leaveReason name="..." value="..."/>
</leave>

<chart id="..." name="...">
  <unit id="..." name="...">
    <manager id="..." name="..."/>
    <roles>
      <role id="..." name="..."/>
      <role id="..." name="..."/>
    </roles>
  </unit>
</chart>

</position>

<position>...</position>
</positions>
</employment>

<employment>
  ...
</employment>
</employments>
</person>
<person>
```

```

...
</person>
</personsXML>

```

XML format

Persons

```

<persons>
  <person personIdHRM="...">
    <givenName/>
    <familyName/>
    <ssn/>
    <dateOfBirth/>
    <genderCode/>
    <maritalStatus/>
    <municipality/>
    <socialSecurityOffice/>
    <postalAddress>...</postalAddress>
    <contactInfo>...</contactInfo>
    <authentication>...</authentication>
    <dependents>...</dependents>
    <employments>...</employments>
  </person>
</persons>

```

Name	Datatype/format	Occurrence	Other	Source
persons		1		
person		0+		
personIdHRM	Integer	1		person.personid
givenName	String	0..1		person.fornavn
familyName	String	0..1		person.etternavn
ssn	Long	1		person.personnr
dateOfBirth	Date	0..1	yyyy-MM-dd	person.fodsdato
genderCode	String	0..1	M / K	person.kjonn
maritalStatus	String	0..1	U/G/X/S/E	person.sivstand
municipality	Municipality	1		
socialSecurityOffice	SocialSecurityOffice	1		
postalAddress	PostalAddress	1		
contactInfo	ContactInfo	1		
dependents	Dependents	1		

authentication	Authentication	1		
employments	Employments	1		

Municipality

```
<municipality value="..." />
```

Name	Datatype/format	Occurrence	Other	Source
value	Integer	1		
name	String	1		

SocialSecurityOffice

```
<socialSecurityOffice value="..." name="..."/>
```

Name	Datatype/format	Occurrence	Other	Source
value	Integer	1		
name	String	1		

PostalAddress

```
<postalAddress>
  <address1/>
  <address2/>
  <postalCode/>
  <postalArea/>
</postalAddress>
```

Name	Datatype/format	Occurrence	Other	Source
address1	String	0..1		
address2	String	0..1		
postalCode	String	0..1		
postalArea	String	0..1		

ContactInfo

```

<contactInfo>
  <email/>
  <workPhone/>
  <mobilePhone/>
  <privatePhone/>
</contactInfo>

```

Name	Datatype/format	Occurrence	Other	Source
email	String	0..1		
workPhone	String	0..1		
mobilePhone	String	0..1		
privatePhone	String	0..1		

Dependents

```

<dependent>
  <relation/>
  <name/>
  <birthYear/>
  <postalAddress>...</postalAddress>
  <contactInfo>...</contactInfo>
</dependent>

```

Name	Datatype/format	Occurrence	Other	Source
dependent	Dependent	0+		
relation	String	0..1	See below	paarorende.slektskap
name	String	0..1		paarorende.navn
birthYear	Date	0..1	yyyy-MM-dd For non-minors this is likely only the year. If so month/day will be set to 01/01	paarorende.fodtsdato
postalAddress	PostalAddress	1		
contactInfo	ContactInfo	1		

Relation constants – **Far** (Father), **Mor** (Mother), **Barn** (Child), **Andre** (Other), **Ektefelle** (Spouse) or **Samboer** (Cohabitant)

Authentication

```

<authentication>
  <userId/>
  <initials/>
  <username/>
  <alias/>
</authentication>

```

Name	Datatype/format	Occurrence	Other	Source
userId	Integer	1		suser.userId
initials	String (8)	0..1		suser.initial
username	String (255)	1		
alias	String (255)	0..*		

Employments

```

<employment>
  <company/>
  <employeeId/>
  <startDate/>
  <endDate/>
  <employmentPercentage/>
  <union/>
  <pension/>
  <taxDetails/>
  <positions>
    <position>...</position>
  </positions>
  <bankDetails/>
</employment>

```

Name	Datatype/format	Occurrence	Other	Source
employment	Employment	0+		
company	Company	1		ansatt.selskap
employeeId	Integer	1		ansatt.resknr
startDate	Date	1	yyyy-MM-dd	ansatt.ansdato
endDate	Date	0..1	yyyy-MM-dd	ansatt.slutdato
employmentPercentage	float	1	See below	
union	Union	1		
pension	Pension	1		
taxDetails	TaxDetails	1		
positions	Positions	1		
bankDetails	BankDetails	1		

EmploymentPercentage is the sum of all positionPercentages for a given company.

Company


```

<company>
  <organizationNumber/>
  <companyId/>
  <companyName/>
</company>

```

Name	Datatype/format	Occurrence	Other	Source
organizationNumber	Long	1		sellonn.arbgjvnr
companyId	Short	1		selskap.selskap
companyName	String (30)	1		selskap.navnsel

Union

```

<union value="..." name="..." />

```

Name	Datatype/format	Occurrence	Other	Source
value	short	1		fagfor.fagfornr
name	String (30)	1		fagfor.navnfagf

Pension

```

<pension value="..." />

```

Name	Datatype/format	Occurrence	Other	Source
value	short	1		pensjon.pensjnr
name	String (30)	1		pensjon.tekst

TaxDetails

```

<taxDetails>
  <taxMunicipality/>
  <taxDeductionCard/>
  <taxPercentage/>
  <taxExemptionCard/>
</taxDetails>

```

Name	Datatype/format	Occurrence	Other	Source
taxMunicipality	Municipality	1		ansatt.kommunnr
taxDeductionCard	TaxDeductionCard	1		ansatt.skattab

taxPercentage	float	0..1		ansatt.skatpros
taxExemptionCard	float	0..1		ansatt.frikort

TaxDeductionCard

```
<taxDeductionCard cardId="..." cardType="..." cardName="..." />
```

Name	Datatype/format	Occurrence	Other	Source
cardId	short	0..1		ansatt.skattab
cardType	String (2)	0..1		ansatt.skattyp
cardName	String (40)	0..1		Descriptive name

BankDetails

```
<bankDetails>
  <type/>
  <accountNumber/>
  <IBAN/>
  <swift/>
  <bankCode/>
</bankDetails>
```

Name	Datatype/format	Occurrence	Other	Source
type	String (255)	1		bankacctype.name
accountNumber	String (30)	0..1		bankaccount.number
IBAN	String (60)	0..1		bankaccount.iban
swift	String (20)	0..1		bankaccount.swift
bankCode	String (20)	0..1		bankaccount.bankCode

Positions

```

<position isPrimaryPosition="..." validFromDate="...">
  <positionPercentage/>
  <positionStartDate/>
  <positionEndDate/>
  <validFromDate/>
  <positionInfo/>
  <officeLocation/>
  <location/>
  <costCentres/>
  <positionStatistics/>
  <salaryInfo/>
  <shiftWork/>
  <workDaysInWeek/>
  <leave/>
  <chart/>
</position>

```

Name	Datatype/format	Occurrence	Other	Source
position	Position	0+		
isPrimaryPosition	boolean	1		Calculated
positionPercentage	float	0..1		histjem.stillpros
positionStartDate	Date	0..1	yyyy-MM-dd	histjem.fradato
positionEndDate	Date	0..1	yyyy-MM-dd	histjem.tildato
seniorityDate	float	0..1		histjem.ansidato
validFromDate	Date	1	yyyy-MM-dd	histjem.histdato
weeklyHours	float	0..1		
yearlyHours	float	0..1		
positionInfo	PositionInfo	1		
officeLocation	OfficeLocation	1		histjem.kontorid
location	Location	1		histjem.lokasjon
costCentres	CostCentres	1		histjem.ksid
positionStatistics	PositionStatistics	1		
salaryInfo	SalaryInfo	1		
shiftWork	boolean	1		histjem.turnus
workDaysInWeek	WorkDaysInWeek	1		histjem.ukedager
leave	Leave	1		
chart	Chart	1		

Location

```
<location value="..." />
```

Name	Datatype/format	Occurrence	Other	Source
value	short	1		lokasjon.lokasjon
name	String (100)	1		lokasjon.navn

OfficeLocation

```
<officeLocation value="..." />
```

Name	Datatype/format	Occurrence	Other	Source
value	String (4)	1		kontor.kontorid
name	String (20)	1		kontor.kontsted

PositionInfo

```
<positionInfo>  
  <positionCode />  
  <positionType />  
  <publicPositionCode />  
</positionInfo>
```

Name	Datatype/format	Occurrence	Other	Source
positionCode	PositionCode	0..1		
positionType	PositionType	0..1		
publicPositionCode	PublicPositionCode	0..1		

PositionCode

```
<positionCode positionCode="..." positionId="..." tableNr="..." />
```

Name	Datatype/format	Occurrence	Other	Source
positionCode	short	1		stilling.stilling
positionId	short	1		hishjem.stillid
tableNr	short	1		stilling.tabellnr

name	String (20)	1		stilling.beskr
------	-------------	---	--	----------------

PositionType

```
<positionType value="..." name="..."/>
```

Name	Datatype/format	Occurrence	Other	Source
value	String(2)	1		stilltyp.kodetyp
name	String (20)	1		stilltyp.tekst

PublicPositionCode

```
<publicPositionCode value="..."/>
```

Name	Datatype/format	Occurrence	Other	Source
value	String (8)	1		settkode.setverdi
name	String (40)	1		settkode.tekst

CostCentres

```
<costCentres>
  <dimension1/>
  <dimension2/>
  <dimension3/>
  <dimension4/>
  <dimension5/>
  <dimension6/>
  <dimension7/>
  <dimension8/>
  <dimension9/>
  <dimension10/>
</costCentres>
```

Name	Datatype/format	Occurrence	Other	Source
dimension1	Dimension	1		konterin.kb01
dimensionX	Dimension	1		konterin.kbxx

Dimension

```
<dimension name="..." value="..."/>
```

Name	Datatype/format	Occurrence	Other	Source
------	-----------------	------------	-------	--------

name	String (12)	1		kbdef.kbid
value	String (20)	1		kbdef.kbnavn

PositionStatistics

```
<positionStatistics>
  <businessNumber/>
  <companyNumer/>
  <workMunicipality/>
  <includeInPAI/>
  <includeInAA/>
  <workClassification/>
</positionStatistics>
```

Name	Datatype/format	Occurrence	Other	Source
businessNumber	BusinessNumber	0..1		hishjem.bednr
companyNumber	CompanyNumber	0..1		hishjem.orgledd
workMunicipality	Municipality	0..1		hishjem.arbkommu
includeInPAI	short (boolean)	1		hishjem.paikode
includeInAA	short (boolean)	1		hishjem.aakode
workClassification	WorkClassification	1		hishjem.aayrke

BusinessNumber

```
<businessNumber name="..." value="..." />
```

Name	Datatype/format	Occurrence	Other	Source
name	string	1		
value	long	1		

CompanyNumber

```
<companyNumber name="..." value="..." />
```

Name	Datatype/format	Occurrence	Other	Source
name	string	1		
value	long	1		

WorkClassification

```
<workClassification name="..." value="..." />
```

Name	Datatype/format	Occurrence	Other	Source
name	String (8)	1		settkode.setverdi
value	String (40)	1		settkode.tekst

SalaryInfo

```
<salaryInfo>
  <salaryStartDate/>
  <salaryEndDate/>
  <yearlySalary/>
  <basicSalary/>
  <authorizedPosition/>
  <salaryTable/>
  <paymentLocation/>
</salaryInfo>
```

Name	Datatype/format	Occurrence	Other	Source
salaryStartDate	Date	0..1	yyyy-MM-dd	hishjem.lonnfra
salaryEndDate	Date	0..1	yyyy-MM-dd	hishjem.lonntil
yearlySalary	float	0..1		hishjem.aarslonn
basicSalary	float	0..1		hishjem.grunnlon
authorizedPosition	AuthorizedPosition	1		hishjem.hjemmel
salaryTable	SalaryTable	1		hishjem.tabellnr
paymentLocation	PaymentLocation	1		hishjem.utbsted

AuthorizedPosition

```
<authorizedPosition name="..." value="..." />
```

Name	Datatype/format	Occurrence	Other	Source
name	String (20)	1		hjemmel.navn
value	int	1		hjemmel.hjemmel

SalaryTable

```
<salaryTable name="..." value="..." />
```

Name	Datatype/format	Occurrence	Other	Source
------	-----------------	------------	-------	--------

name	String (30)	1		tabeller.tabtekst
value	short	1		tabeller.tabellnr

PaymentLocation

```
<paymentLocation name="..." value="..."/>
```

Name	Datatype/format	Occurrence	Other	Source
name	String (20)	1		utbsted.stednavn
value	short	1		utbsted.utbsted

WorkDaysInWeek

```
<workDaysInWeek monday="..." tuesday="..." wednesday="..." thursday="..." friday="..."
saturday="..." sunday="...">\
```

Name	Datatype/format	Occurrence	Other	Source
monday	boolean	1		
sunday	boolean	1		

Tuesday-Saturday are identical to Monday & Sunday

Leave

```
<leave>
  <leaveFromDate/>
  <leaveToDate/>
  <leaveReason/>
</leave>
```

Name	Datatype/format	Occurrence	Other	Source
leaveFromDate	Date	0..1	yyyy-MM-dd	hishjem.permfdat
leaveToDate	Date	0..1	yyyy-MM-dd	hishjem.permtat
leaveReason	LeaveReason	1		hishjem.arsakkod

LeaveReason

```
<leaveReason name="..." value="..."/>
```

Name	Datatype/format	Occurrence	Other	Source
------	-----------------	------------	-------	--------

name	String (20)	1		kodfrav.tekst
value	short	1		kodfrav.arakkod

Chart

```
<chart id="...">
  <unit/>
</chart>
```

Name	Datatype/format	Occurrence	Other	Source
id	int	1		kart.kartid
name	String (255)	1		kart.navn
unit	Unit	1		

Unit

```
<unit>
  <manager/>
  <roles>...</roles>
</unit>
```

Name	Datatype/format	Occurrence	Other	Source
id	String (30)	1		enhet.enhetkode
name	String (25)	1		enhet.navn
manager	Manager	0..1		
roles	Role	0+		

Manager

```
<manager id="..." />
```

Name	Datatype/format	Occurrence	Other	Source
id	int	1		person.personid
name	String (61)	1		person.<fullName>

Roles

```
<roles>
  <role name="..." />
</roles>
```

Name	Datatype/format	Occurrence	Other	Source
role	Role	0+		
id	int	1		rolle.rolleid
name	String (255)	1		rolle.navn