

Introduction

The INSPIRE Specialised Observations are defined in the *D2.9 Guidelines for the use of Observations & Measurements and Sensor Web Enablement-related standards in INSPIRE* ([link to guidelines](#)).

Currently, the 52°North SOS supports the following Specialised Observations:

- PointObservation
- PointTimeSeriesObservation
- MultiPointObservation
- ProfileObservation
- TrajectoryObservation

Observation types

This section describes the supported INSPIRE OM Specialised Observations including the requirements and an example XML.

PointObservation

Definition: The PointObservation represents a single value measurement at a single point in time, e.g. a manual one-off measurement of sea surface temperature.

Requirements

Mapping

The mapping requirement defines which SOS/O&M objects (e.g. offering, procedure,...) are considered to merge the individual observations to a Specialised Observation.

No requirements

Database

The offeringAllowedObservationType table shall contain the reference between the offering and the observationType <http://inspire.ec.europa.eu/featureconcept/PointObservation>.

Example XML

```
<omso:PointObservation xmlns:omso="http://inspire.ec.europa.eu/schemas/omso/3.0"
  xmlns:ns="http://www.opengis.net/gml/3.2"
  xmlns:om="http://www.opengis.net/om/2.0"
  xmlns:sams="http://www.opengis.net/samplingSpatial/2.0"
  xmlns:sf="http://www.opengis.net/sampling/2.0"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  gml:id="o_B116B53DB20DDC790D9F477900F8874489AEC7BB"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://inspire.ec.europa.eu/schemas/omso/3.0 https://52north.org/schema/ins
  <om:type xlink:href="http://inspire.ec.europa.eu/featureconcept/MultiPointObservation"/>
  <om:phenomenonTime>
    <gml:TimeInstant gml:id="phenomenonTime_361281">
      <gml:timePosition>2013-03-28T09:44:00.000Z</gml:timePosition>
    </gml:TimeInstant>
  </om:phenomenonTime>
  <om:resultTime xlink:href="#phenomenonTime_361281"/>
```

```

<om:procedure xlink:href="procedure" />
<om:observedProperty xlink:href="observedProperty"/>
<om:featureOfInterest>
  <sams:SF_SpatialSamplingFeature gml:id="ssf_F4445301103409A7D7BE5D7BAAC861BD88CD8260">
    <sf:type xlink:href="http://www.opengis.net/def/samplingFeatureType/OGC-OM/2.0/SF_Samplin
    <sf:sampledFeature xlink:href="http://www.opengis.net/def/nil/OGC/0/unknown"/>
    <sams:shape>
      <gml:Point gml:id="Point_28122CE65797436186ED15AA7A85796D8BF2EDAD">
        <gml:pos srsName="http://www.opengis.net/def/crs/EPSSG/0/4326">53.8977 8.6989</gml:pos
        </gml:Point>
      </sams:shape>
    </sams:SF_SpatialSamplingFeature>
  </om:featureOfInterest>
  <om:result xmlns:cv="http://www.opengis.net/cv/0.2/gml32" xsi:type="cv:CV_DiscretePointCovera
  <cv:CV_DiscretePointCoverage gml:id="dpc_361281">
    <cv:domainExtent xlink:href="#Point_28122CE65797436186ED15AA7A85796D8BF2EDAD"/>
    <cv:rangeType xlink:href="5360"/>
    <cv:element>
      <cv:CV_PointValuePair>
        <cv:geometry>
          <gml:Point gml:id="Point_8419808836A515E7B0D873FBFB668BDD4D836E19">
            <gml:pos srsName="http://www.opengis.net/def/crs/EPSSG/0/4326">53.8977 8.6989</gml
            </gml:Point>
          </cv:geometry>
          <cv:value uom="mbar" xsi:type="gml:MeasureType">89.16782</cv:value>
        </cv:CV_PointValuePair>
      </cv:element>
    </cv:CV_DiscretePointCoverage>
  </om:result>
</omso:PointObservation>

```

PointTimeSeriesObservation

Definition: The PointTimeSeriesObservation represents a series of measurements at the same point, e.g. regular measurements by a fixed station.

Requirements

Mapping

The mapping requirement defines which SOS/O&M objects (e.g. offering, procedure,...) are considered to merge the individual observations to a Specialised Observation.

All measurements that belongs to a timeseries shall have the same:

- offering
- procedure
- observedProperty
- featureOfInterest

Database

The offeringAllowedObservationType table shall contain the reference between the offering and the observationType

<http://inspire.ec.europa.eu/featureconcept/PointTimeSeriesObservation>.

Example XML

```

<omso:PointTimeSeriesObservation xmlns:gml="http://www.opengis.net/gml/3.2"
  xmlns:om="http://www.opengis.net/om/2.0"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  xmlns:wml2="http://www.opengis.net/waterml/2.0"
  xmlns:omso="http://inspire.ec.europa.eu/schemas/omso/3.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://inspire.ec.europa.eu/schemas/omso/3.0 https://52north.org/schema/inspire/omso/3.0"
  gml:id="o_85481A6A4F526D677BB8226DAF314A3432E1D1A7">
  <om:type xlink:href="http://inspire.ec.europa.eu/featureconcept/TrajectoryObservation"/>
  <om:phenomenonTime>
    <gml:TimePeriod gml:id="phenomenonTime_123">
      <gml:beginPosition>2016-04-14T14:05:10.530+02:00</gml:beginPosition>
      <gml:endPosition>2016-04-14T14:08:10.531+02:00</gml:endPosition>
    </gml:TimePeriod>
  </om:phenomenonTime>
  <om:resultTime>
    <gml:TimeInstant gml:id="ti_F21DEADD5EC27749846B673AE9C8E6B3A410E806">
      <gml:timePosition>2016-04-14T12:08:10.531Z</gml:timePosition>
    </gml:TimeInstant>
  </om:resultTime>
  <om:procedure xlink:href="procedure"/>
  <om:observedProperty xlink:href="observableProperty"/>
  <om:featureOfInterest>
    <sams:SF_SpatialSamplingFeature gml:id="ssf_F4445301103409A7D7BE5D7BAAC861BD88CD8260">
      <gml:identifier>feature</gml:identifier>
      <sf:type xlink:href="sa:SamplingCurve"/>
      <sf:sampledFeature xlink:href="http://www.opengis.net/def/nil/OGC/0/unknown"/>
      <sams:shape>
        <gml:Point gml:id="Point_ssf_B2C2B35C4C94091E175D3BE7636D042C8F5B3827">
          <gml:pos srsName="http://www.opengis.net/def/crs/EPSSG/0/4326">52.7 7.52</gml:pos>
        </gml:Point>
      </sams:shape>
    </sams:SF_SpatialSamplingFeature>
  </om:featureOfInterest>
  <om:result>
    <wml2:MeasurementTimeseries gml:id="timeseries.1">
      <wml2:metadata>
        <wml2:TimeseriesMetadata>
          <wml2:temporalExtent xlink:href="#phenomenonTime_123"/>
        </wml2:TimeseriesMetadata>
      </wml2:metadata>
      <wml2:defaultPointMetadata>
        <wml2:DefaultTVPMeasurementMetadata>
          <wml2:uom code="mbar"/>
          <wml2:interpolationType xlink:href="http://www.opengis.net/def/timeseriesType/WaterML/2.0/interpolationType/Linear"/>
        </wml2:DefaultTVPMeasurementMetadata>
      </wml2:defaultPointMetadata>
      <wml2:point>
        <wml2:MeasurementTVP>
          <wml2:time>2016-04-14T14:05:10.530+02:00</wml2:time>
          <wml2:value>15.6</wml2:value>
        </wml2:MeasurementTVP>
      </wml2:point>
      <wml2:point>
        <wml2:MeasurementTVP>
          <wml2:time>2016-04-14T14:06:10.531+02:00</wml2:time>
          <wml2:value>16.5</wml2:value>
        </wml2:MeasurementTVP>
      </wml2:point>
      <wml2:point>
        <wml2:MeasurementTVP>
          <wml2:time>2016-04-14T14:07:10.531+02:00</wml2:time>
          <wml2:value>17.6</wml2:value>
        </wml2:MeasurementTVP>
      </wml2:point>
    </wml2:MeasurementTimeseries>
  </om:result>
</omso:PointTimeSeriesObservation>

```

```

</wml2:point>
<wml2:point>
  <wml2:MeasurementTVP>
    <wml2:time>2016-04-14T14:08:10.531+02:00</wml2:time>
    <wml2:value>18.7</wml2:value>
  </wml2:MeasurementTVP>
</wml2:point>
</wml2:MeasurementTimeseries>
</om:result>
</omso:PointTimeSeriesObservation>

```

MultiPointObservation

Definition: The MultiPointObservation is a specific type of Point-based observation. It is intended for cases in which measurements are made at a set of discrete points at the same time. For example a sensor network reporting temperature at 10am. The points themselves are not on a grid but may be distributed in any manner, for example unevenly spaced around a coastline.

Requirements

Mapping

The mapping requirement defines which SOS/O&M objects (e.g. offering, procedure,...) are considered to merge the individual observations to a Specialised Observation.

All measurements that belongs to a MultiPointObservation shall have the same:

- observedProperty
- procedure
- phenomenonTime

Database

The offeringAllowedObservationType table shall contain the reference between the offering and the observationType
<http://inspire.ec.europa.eu/featureconcept/MultiPointObservation>.

Example XML

```

<omso:MultiPointObservation xmlns:omso="http://inspire.ec.europa.eu/schemas/omso/3.0"
  xmlns:ns="http://www.opengis.net/gml/3.2"
  xmlns:om="http://www.opengis.net/om/2.0"
  xmlns:sams="http://www.opengis.net/samplingSpatial/2.0"
  xmlns:sf="http://www.opengis.net/sampling/2.0"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://inspire.ec.europa.eu/schemas/omso/3.0 https://52north.org/schema/inspire/gml/id="o_B116B53DB20DDC790D9F477900F8874489AEC7BB" >
  <om:type xlink:href="http://inspire.ec.europa.eu/featureconcept/MultiPointObservation"/>
  <om:phenomenonTime>
    <gml:TimeInstant gml:id="phenomenonTime_1">
      <gml:timePosition>2012-07-31T17:45:15.000Z</gml:timePosition>
    </gml:TimeInstant>
  </om:phenomenonTime>
  <om:resultTime xlink:href="#phenomenonTime_1"/>
  <om:procedure xlink:href="procedure"/>
  <om:observedProperty xlink:href="observedProperty"/>
  <om:featureOfInterest>
  <sams:SFSpatialSamplingFeature gml:id="ssf_094D1FDB65BC787B8AC339F4029B622A86EED5EC">

```

```

<sf:type xlink:href="http://www.opengis.net/def/samplingFeatureType/OGC-OM/2.0/SF_SamplingSur
<sf:sampledFeature xlink:href="http://www.opengis.net/def/nil/OGC/0/unknown"/>
<sams:shape>
<gml:Polygon gml:id="Polygon_ssf_094D1FDB65BC787B8AC339F4029B622A86EED5EC">
  <gml:exterior>
    <gml:LinearRing xsi:type="gml:LinearRingType">
      <gml:posList srsName="http://www.opengis.net/def/crs/EPSSG/0/4326">7.52 7.32 7.52 52.7 5
    </gml:LinearRing>
  </gml:exterior>
</gml:Polygon>
</sams:shape>
</sams:SF_SpatialSamplingFeature>
</om:featureOfInterest>
<om:result>
  <gml:MultiPointCoverage gml:id="mpc_1">
    <gml:domainSet>
      <gml:MultiPoint gml:id="MultiPoint_A006A11E2AB79D9CDB063F9C20BD418B521399A8">
        <gml:pointMember>
          <gml:Point gml:id="MultiPoint_A006A11E2AB79D9CDB063F9C20BD418B521399A8_0">
            <gml:pos srsName="http://www.opengis.net/def/crs/EPSSG/0/4326">7.52 52.7</gml:pos>
          </gml:Point>
        </gml:pointMember>
        <gml:pointMember>
          <gml:Point gml:id="MultiPoint_A006A11E2AB79D9CDB063F9C20BD418B521399A8_1">
            <gml:pos srsName="http://www.opengis.net/def/crs/EPSSG/0/4326">32.7 7.32</gml:pos>
          </gml:Point>
        </gml:pointMember>
        <gml:pointMember>
          <gml:Point gml:id="MultiPoint_A006A11E2AB79D9CDB063F9C20BD418B521399A8_2">
            <gml:pos srsName="http://www.opengis.net/def/crs/EPSSG/0/4326">51.7 7.51</gml:pos>
          </gml:Point>
        </gml:pointMember>
        <gml:pointMember>
          <gml:Point gml:id="MultiPoint_A006A11E2AB79D9CDB063F9C20BD418B521399A8_3">
            <gml:pos srsName="http://www.opengis.net/def/crs/EPSSG/0/4326">52.7 7.52</gml:pos>
          </gml:Point>
        </gml:pointMember>
      </gml:MultiPoint>
    </gml:domainSet>
    <gml:rangeSet>
      <gml:QuantityList uom="C">0.45 0.35 0.15 0.25</gml:QuantityList>
    </gml:rangeSet>
  </gml:MultiPointCoverage>
</om:result>
</oms:MultiPointObservation>

```

ProfileObservation

Definition: A ProfileObservation represents a set of points along a vertical axis with a measurement value at each point on the profile. The measurements are all nominally made at the same time for the entire profile.

Requirements

Mapping

The mapping requirement defines which SOS/O&M objects (e.g. offering, procedure,...) are considered to merge the individual observations to a Specialised Observation.

All measurements that belongs to a profile shall have the same:

- offering
- procedure

- observedProperty
- featureOfInterest
- phenomenonTime

Database

The offeringAllowedObservationType table shall contain the reference between the offering and the observationType

<http://inspire.ec.europa.eu/featureconcept/ProfileObservation>.

The observation shall have an om:parameter (parameter table) with name

<http://www.opengis.net/def/param-name/OGC-OM/2.0/depth> or

<http://www.opengis.net/def/param-name/OGC-OM/2.0/height> and the depth/height value shall be stored in the numericparametervalue table.

Example XML

```
<omso:ProfileObservation xmlns:omso="http://inspire.ec.europa.eu/schemas/omso/3.0"
  xmlns:gml="http://www.opengis.net/gml/3.2"
  xmlns:om="http://www.opengis.net/om/2.0"
  xmlns:sams="http://www.opengis.net/samplingSpatial/2.0"
  xmlns:sf="http://www.opengis.net/sampling/2.0"
  xmlns:gmlce="http://www.opengis.net/gml/3.3/ce"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://inspire.ec.europa.eu/schemas/omso/3.0 https://52north.org/schema/inspire/omso/3.0"
  gml:id="o_B116B53DB20DDC790D9F477900F8874489AEC7BB" >
  <om:type xlink:href="http://inspire.ec.europa.eu/featureconcept/ProfileObservation"/>
  <om:phenomenonTime>
    <gml:TimeInstant gml:id="phenomenonTime_1">
      <gml:timePosition>2012-07-31T17:45:15.000Z</gml:timePosition>
    </gml:TimeInstant>
  </om:phenomenonTime>
  <om:resultTime xlink:href="#phenomenonTime_1"/>
  <om:procedure xlink:href="procedure"/>
  <om:observedProperty xlink:href="ObservedProperty"/>
  <om:featureOfInterest>
    <sams:SF_SpatialSamplingFeature gml:id="ssf_F4445301103409A7D7BE5D7BAAC861BD88CD8260">
      <sf:type xlink:href="http://www.opengis.net/def/samplingFeatureType/OGC-OM/2.0/SF_SamplingPoint"/>
      <sf:sampledFeature xlink:href="http://www.opengis.net/def/nil/OGC/0/unknown"/>
      <sams:shape>
        <gml:Point gml:id="Point_28122CE65797436186ED15AA7A85796D8BF2EDAD">
          <gml:pos srsName="http://www.opengis.net/def/crs/EPSSG/0/4326">53.8977 8.6989</gml:pos>
        </gml:Point>
      </sams:shape>
    </sams:SF_SpatialSamplingFeature>
  </om:featureOfInterest>
  <om:result>
    <gml:RectifiedGridCoverage gml:id="rgc_13">
      <gml:domainSet>
        <gmlce:SimpleMultiPoint gml:id="smp_rgc_13">
          <gml:posList>5.0 10.0 15.0</gml:posList>
        </gmlce:SimpleMultiPoint>
      </gml:domainSet>
      <gml:rangeSet>
        <gml:QuantityList uom="C">0.28 0.18 0.08</gml:QuantityList>
      </gml:rangeSet>
    </gml:RectifiedGridCoverage>
  </om:result>
</omso:ProfileObservation>
```

TrajectoryObservation

Definition: A TrajectoryObservation represents a series of measurements along a trajectory. For example along a ship's track. Each measurement is made at a separate point along the trajectory and at a separate time.

Requirements

Mapping

The mapping requirement defines which SOS/O&M objects (e.g. offering, procedure,...) are considered to merge the individual observations to a Specialised Observation.

All measurements that belongs to a trajectory shall have the same:

- offering
- procedure
- observedProperty
- featureOfInterest

Database

The offeringAllowedObservationType table shall contain the reference between the offering and the observationType

<http://inspire.ec.europa.eu/featureconcept/TrajectoryObservation>.

Example XML

```
<omso:TrajectoryObservation xmlns:gml="http://www.opengis.net/gml/3.2"
  xmlns:om="http://www.opengis.net/om/2.0"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  xmlns:wml2="http://www.opengis.net/waterml/2.0"
  xmlns:sams="http://inspire.ec.europa.eu/schemas/omso/3.0"
  xmlns:sms="http://www.opengis.net/samplingSpatial/2.0"
  xmlns:sf="http://www.opengis.net/sampling/2.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://inspire.ec.europa.eu/schemas/omso/3.0 https://52north.org/schema/inspire/omso/3.0"
  gml:id="o_85481A6A4F526D677BB8226DAF314A3432E1D1A7">
  <om:type xlink:href="http://inspire.ec.europa.eu/featureconcept/TrajectoryObservation"/>
  <om:phenomenonTime>
    <gml:TimePeriod gml:id="phenomenonTime_123">
      <gml:beginPosition>2016-04-14T14:05:10.530+02:00</gml:beginPosition>
      <gml:endPosition>2016-04-14T14:08:10.531+02:00</gml:endPosition>
    </gml:TimePeriod>
  </om:phenomenonTime>
  <om:resultTime>
    <gml:TimeInstant gml:id="ti_F21DEADD5EC27749846B673AE9C8E6B3A410E806">
      <gml:timePosition>2016-04-14T12:08:10.531Z</gml:timePosition>
    </gml:TimeInstant>
  </om:resultTime>
  <om:procedure xlink:href="procedure"/>
  <om:observedProperty xlink:href="observableProperty"/>
  <om:featureOfInterest>
    <sams:SF_SpatialSamplingFeature gml:id="ssf_F4445301103409A7D7BE5D7BAAC861BD88CD8260">
      <sf:type xlink:href="sa:SamplingCurve"/>
      <sf:sampledFeature xlink:href="http://www.opengis.net/def/nil/OGC/0/unknown"/>
      <sams:shape>
        <gml:LineString gml:id="LineString_ssf_F4445301103409A7D7BE5D7BAAC861BD88CD8260" srsName="http://www.opengis.net/def/crs/EPSG/0/4326">
          <gml:posList srsName="http://www.opengis.net/def/crs/EPSG/0/4326">52.7 7.52 52.8 7.53
```

```

        </gml:LineString>
    </sams:shape>
</sams:SF_SpatialSamplingFeature>
</om:featureOfInterest>
<om:result>
  <wml2:MeasurementTimeseries gml:id="timeseries.1">
    <wml2:metadata>
      <wml2:TimeseriesMetadata>
        <wml2:temporalExtent xlink:href="#phenomenonTime_123"/>
      </wml2:TimeseriesMetadata>
    </wml2:metadata>
    <wml2:defaultPointMetadata>
      <wml2:DefaultTVPMeasurementMetadata>
        <wml2:uom code="mbar"/>
        <wml2:interpolationType xlink:href="http://www.opengis.net/def/timeseriesType/WaterML/2">
        </wml2:DefaultTVPMeasurementMetadata>
      </wml2:defaultPointMetadata>
      <wml2:point>
        <wml2:MeasurementTVP xsi:type="omso:MeasurementTimeLocationValueTripleType">
          <wml2:time>2016-04-14T14:05:10.530+02:00</wml2:time>
          <wml2:value>15.6</wml2:value>
          <omso:location>
            <gml:Point gml:id="Point_1_0">
              <gml:pos srsName="http://www.opengis.net/def/crs/EPSSG/0/4326">52.7 7.52</gml:pos>
            </gml:Point>
          </omso:location>
        </wml2:MeasurementTVP>
      </wml2:point>
      <wml2:point>
        <wml2:MeasurementTVP xsi:type="omso:MeasurementTimeLocationValueTripleType">
          <wml2:time>2016-04-14T14:06:10.531+02:00</wml2:time>
          <wml2:value>16.5</wml2:value>
          <omso:location>
            <gml:Point gml:id="Point_1_1">
              <gml:pos srsName="http://www.opengis.net/def/crs/EPSSG/0/4326">52.7 7.52</gml:pos>
            </gml:Point>
          </omso:location>
        </wml2:MeasurementTVP>
      </wml2:point>
      <wml2:point>
        <wml2:MeasurementTVP xsi:type="omso:MeasurementTimeLocationValueTripleType">
          <wml2:time>2016-04-14T14:07:10.531+02:00</wml2:time>
          <wml2:value>17.6</wml2:value>
          <omso:location>
            <gml:Point gml:id="Point_1_2">
              <gml:pos srsName="http://www.opengis.net/def/crs/EPSSG/0/4326">52.7 7.52</gml:pos>
            </gml:Point>
          </omso:location>
        </wml2:MeasurementTVP>
      </wml2:point>
      <wml2:point>
        <wml2:MeasurementTVP xsi:type="omso:MeasurementTimeLocationValueTripleType">
          <wml2:time>2016-04-14T14:08:10.531+02:00</wml2:time>
          <wml2:value>18.7</wml2:value>
          <omso:location>
            <gml:Point gml:id="Point_1_3">
              <gml:pos srsName="http://www.opengis.net/def/crs/EPSSG/0/4326">52.7 7.52</gml:pos>
            </gml:Point>
          </omso:location>
        </wml2:MeasurementTVP>
      </wml2:point>
    </wml2:MeasurementTimeseries>
  </om:result>
</omso:TrajectoryObservation>

```


Querying Specialised Observation types in GetObservation requests

- The **responseFormat** shall be `http://inspire.ec.europa.eu/schemas/omso/3.0`
- The supported **resultType** parameters are:
 - ◆ `http://inspire.ec.europa.eu/featureconcept/PointObservation`
 - ◆ `http://inspire.ec.europa.eu/featureconcept/PointTimeSeriesObservation`
 - ◆ `http://inspire.ec.europa.eu/featureconcept/MultiPointObservation`
 - ◆ `http://inspire.ec.europa.eu/featureconcept/ProfileObservation`
 - ◆ `http://inspire.ec.europa.eu/featureconcept/TrajectoryObservation`

Example request:

`http://localhost:8080/52n-sos-webapp/service?service=SOS&version=2.0.0&request=GetObservation&responseFormat=`

The GetObservation response contains only those observations which are valid for the requested *resultType*.

Inspire profile file

The 52N SOS has a predefined INPSIRE profile file which defines `http://inspire.ec.europa.eu/schemas/omso/3.0` as default **responseFormat** and sets the encoding of the featureOfInterest in the observations to default.

How to enable the INSPIRE profile of the 52° North SOS

1. Deploy the 52° North SOS.
2. Go to Admin -> Settings -> Profiles
3. Select the profile in the drop-down list
4. Press *Activate Profile!*

Change the content of a profile

1. Go to `[TOMACT_HOME]\webapps\[SOS_NAME]\WEB-INF\classes\profiles` and:
 - ◆ Open `xyz-profile.xml` and change it. **Save** and **close** file.
2. Go to Admin -> Settings -> Profiles
3. Press *Reload Profiles!*