## Installation

the installation of the CIMIM should be as easy as copying one file into the webapps directory of existing Tomcat v6.0 server (http://tomcat.apache.org/download-60.cgi). Java 5 or later also has to be installed on the machine (required by both Tomcat and CIMIM).

Java heap space (amount of RAM to be used) maximum size should be set up to higher values (2GB-4GB). Minimum recommended is 1GB.  
<http://www.coderanch.com/t/87422/Tomcat/increase-java-heap-size>

The file to be copied can be found on our SVN:

trunk/CIM/Adapt4EE\_CIMIM/distribution/Adapt4EE\_CIMIM.war

After you copy the file, and your Tomcat is running, the services will be available at the

http://yourserver:tomcatPort(usually8080)/Adapt4EE\_CIMIM/rest/

(you can replace yourserver for localhost if testing from the same machine e.g:

<http://localhost:8080/Adapt4EE_CIMIM/rest/measurementfile> )

You can test GET methods in any HTML browser, however you need some special RESTFUL client to test PUT and DELETE methods.

## List of available services on CIMIM. Sep 30, 2013 {URL}=http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest

{URL}/measurementfile (GET, PUT)

{URL}/measurementfile/streamimport/lowmem (PUT)

{URL}/measurementfile/{param}/measurementfile.zip (GET)  
{URL}/measurementfile/{param}/filteredbydate/{starttime}/{endtime}/measurementfiletimefiltered.zip (GET)  
{URL}/measurementfile/{param}/xml (GET)  
{URL}/measurementfile/{param} (GET)  
{URL}/measurementfile/{param}/mintime (GET)  
{URL}/measurementfile/{param}/maxtime (GET)  
{URL}/measurementfile/{param}/filteredbydate/{starttime}/{endtime}  
{URL}/measurementfile/{param} (DELETE)

{URL}/measurementfile/{param}/nobigdata (GET)

{URL}/measurementfile/{param}/transformedmeasurementfile.zip (GET)  
{URL}/measurementfile/{param}/transformed (GET)  
{URL}/measurementfile/{param}/transformed/withspaces (GET)

{URL}/measurementfile/{param}/importevents (PUT)  
{URL}/measurementfile/{param}/events.zip (GET)  
{URL}/measurementfile/{param}/events/xml (GET)  
{URL}/measurementfile/{param}/events (GET)  
{URL}/measurementfile/{param}/events/stats (GET)  
{URL}/measurementfile/{param}/events (DELETE)

{URL}/measurementfile/{param}/importmeasurements (PUT)  
{URL}/measurementfile/{param}/measurements.zip (GET)  
{URL}/measurementfile/{param}/measurements/xml (GET)  
{URL}/measurementfile/{param}/measurements (GET)  
{URL}/measurementfile/{param}/measurements (DELETE)

{URL}/measurementfile/{param}/importprocess (PUT)  
{URL}/measurementfile/{param}/processes (GET, DELETE)  
{URL}/measurementfile/{param}/sensordiscovered (PUT)  
{URL}/measurementfile/{param}/sensorsdiscovered (PUT)  
{URL}/measurementfile/{param}/sensors (GET, DELETE)  
{URL}/measurementfile/{param}/sensors/{param2} (GET)  
{URL}/measurementfile/{param}/sensors/other (GET)  
  
{URL}/measurementfile/{param}/importbuilding (PUT)  
{URL}/measurementfile/{param}/gbXML/convert (GET)  
{URL}/measurementfile/{param}/gbXML (GET)  
{URL}/measurementfile/{param}/building (GET, DELETE)

{URL}/measurementfile/{param}/zones (PUT, GET, DELETE)

{URL}/measurementfile/{param}/equipments (GET, DELETE)  
{URL}/measurementfile/{param}/space/{spaceID}/getequipments (GET)  
{URL}/measurementfile/{param}/space/{spaceID}/deleteequipments (DELETE)  
{URL}/measurementfile/{param}/space/{spaceID}/addequipments (PUT)  
{URL}/measurementfile/{param}/space/{spaceID}/replaceequipments (PUT)

{URL}/measurementfile/{param}/space/{spaceID}/getHVACs (GET)  
{URL}/measurementfile/{param}/getHVACs (GET)  
{URL}/measurementfile/{param}/deleteHVACs (DELETE)  
{URL}/measurementfile/{param}/addHVACs (PUT)  
{URL}/measurementfile/{param}/replaceHVACs (PUT)

{URL}/measurementfile/{param}/getlightings (GET)  
{URL}/measurementfile/{param}/space/{spaceID}/getlightings (GET)  
{URL}/measurementfile/{param}/space/{spaceID}/deletelightings (DELETE)  
{URL}/measurementfile/{param}/space/{spaceID}/addlightings (PUT)  
{URL}/measurementfile/{param}/space/{spaceID}/replacelightings (PUT)

{URL}/measurementfile/{param}/getroles (GET)  
{URL}/measurementfile/{param}/deleteroles (DELETE)  
{URL}/measurementfile/{param}/addroles (PUT)  
{URL}/measurementfile/{param}/replaceroles (PUT)

{URL}/sensortypes (PUT, GET, DELETE)

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile |
| Method: |
| PUT |
| Input XML: |
| <cim:MeasurementFile xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile |
| Description: |
| Upload MeasurementFile. It will return an ID of the newly created MeasurementFile (randomly generated if there is no Id inside of the MeasurementFile XML)  If Measurement file exists with the same ID, it will be overwritten with the new one in the database. |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/streamimport/lowmem |
| Method: |
| PUT |
| Input XML: |
| <cim:MeasurementFile xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/streamimport/lowmem |
| Description: |
| Upload MeasurementFile as a stream using low memory. However it can take several minutes to upload (On a testing server 10000 events inside the file takes 4 seconds to upload. Last tested file contained 3000000 events). It will return an ID of the newly created MeasurementFile (randomly generated if there is no Id inside of the MeasurementFile XML)  If Measurement file exists with the same ID, it will be overwritten with the new one in the database. |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfMeasurementFileIDs xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile> |
| Description: |
| Get list of IDs of existing measurement files. |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/measurementfile.zip |
| Method: |
| GET |
| Output XML: |
| <cim:MeasurementFile xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/measurementfile.zip |
| Description: |
| Get MeasurementFile with id={param} (zipped xml file) |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/filteredbydate/{starttime}/{endtime}/measurementfiletimefiltered.zip |
| Method: |
| GET |
| Output XML: |
| <cim:MeasurementFile xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/filteredbydate/{starttime}/{endtime}/measurementfiletimefiltered.zip |
| Description: |
| Get MeasurementFile with id={param} (zipped xml file). Filtered by time. {starttime} and {endtime} should be in XML datetime format (example: 2002-05-30T09:00:00) |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/xml |
| Method: |
| GET |
| Output XML: |
| <cim:MeasurementFile xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/xml> |
| Description: |
| Get MeasurementFile with id={param} (xml file) – can be too big to handle through the service if there is too many events or measurements inside the measurement file (the server will response with heap memory error). Use the zipped version of this service if possible (see above) |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param} |
| Method: |
| GET |
| Output XML: |
| <cim:MeasurementFile xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1> |
| Description: |
| Get MeasurementFile with id={param} (xml file) – can be too big to handle through the service if there is too many events or measurements inside the measurement file (the server will response with heap memory error). Use the zipped version of this service if possible (see above) |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/filteredbydate/{starttime}/{endtime} |
| Method: |
| GET |
| Output XML: |
| <cim:MeasurementFile xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/filteredbydate/{starttime}/{endtime} |
| Description: |
| Get MeasurementFile with id={param} (xml file). Filtered by time. {starttime} and {endtime} should be in XML datetime format (example: 2002-05-30T09:00:00) |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/nobigdata |
| Method: |
| GET |
| Output XML: |
| <cim:MeasurementFile xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/nobigdata> |
| Description: |
| Get MeasurementFile with id={param} (xml file) – without lists of events and measurements |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/transformed |
| Method: |
| GET |
| Output XML: |
| <cim:MeasurementFile xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/transformed |
| Description: |
| Get MeasurementFile with id={param} (xml file) – where old events (with nested element) are transformed to the new format (with one element attributes). All not needed spaces are removed to keep the XML file smaller. So the resulting XML is one long line of text (can be problematic to be viewed inside the text editor SW) |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/transformed/withspaces |
| Method: |
| GET |
| Output XML: |
| <cim:MeasurementFile xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/transformed/withspaces |
| Description: |
| Get MeasurementFile with id={param} (xml file) – where old events (with nested element) are transformed to the new format (with one element attributes). |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/transformedmeasurementfile.zip |
| Method: |
| GET |
| Output XML: |
| <cim:MeasurementFile xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/transformedmeasurementfile.zip |
| Description: |
| Get zipped MeasurementFile with id={param} (xml file) – where old events (with nested element) are transformed to the new format (with one element attributes). All not needed spaces are removed to keep the XML file smaller. |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param} |
| Method: |
| DELETE |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/2 |
| Description: |
| Remove MeasurementFile with id={param}. |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/importevents |
| Method: |
| PUT |
| Input XML: |
| <cim:EventsImport xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/importevents |
| Description: |
| Add events to the MeasurementFile with id {param} |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/events.zip |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfEvents xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/events.zip> |
| Description: |
| Get events from the MeasurementFile with id={param} (zipped xml file) |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/events/xml |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfEvents xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/events/xml> |
| Description: |
| Get events from the MeasurementFile with id={param} (xml file) - can be too big to handle through the service if there is too many events inside the measurement file (the server will response with heap memory error). Use the zipped version of this service if possible (see above) |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/events |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfEvents xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/events> |
| Description: |
| Get events from the MeasurementFile with id={param} (XML file) - can be too big to handle through the service if there is too many events or measurements inside the measurement file (the server will response with heap memory error). Use the zipped version of this service if possible (see above) |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/events |
| Method: |
| GET |
| Output XML: |
| <cim:EventsStats xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/events> |
| Description: |
| Get events stats of the MeasurementFile with id={param}. The returned XML contains:  Count of events contained within the measurement file  Min and Max timestamp of every kind of event  Overall count and min/max timestamp. |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/events |
| Method: |
| DELETE |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/events |
| Description: |
| Remove all events from the MeasurementFile with id={param}. |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/importmeasurements |
| Method: |
| PUT |
| Input XML: |
| <cim:MeasurementsImport xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/importevents |
| Description: |
| Add events to the MeasurementFile with id {param} |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/measurements.zip |
| Method: |
| GET |
| Output XML: |
| Zipped <cim:MeasurementsImport xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/measurements.zip |
| Description: |
| Get events from the MeasurementFile with id={param} (zipped xml file) |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/measurements/xml |
| Method: |
| GET |
| Output XML: |
| <cim:MeasurementsImport xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/measurements/xml> |
| Description: |
| Get events from the MeasurementFile with id={param} (xml file) - can be too big to handle through the service if there is too many events inside the measurement file (the server will response with heap memory error). Use the zipped version of this service if possible (see above) |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/measurements |
| Method: |
| GET |
| Output XML: |
| <cim:MeasurementsImport xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/measurements |
| Description: |
| Get events from the MeasurementFile with id={param} (XML file) - can be too big to handle through the service if there is too many events or measurements inside the measurement file (the server will response with heap memory error). Use the zipped version of this service if possible (see above) |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/measurements |
| Method: |
| DELETE |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/measurements |
| Description: |
| Remove all events from the MeasurementFile with id={param}. |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/importprocess |
| Method: |
| PUT |
| Input XML: |
| <cim:BPMImport xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/importprocess |
| Description: |
| Add process to the MeasurementFile with id {param} |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/processes |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfProcesses xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/processes> |
| Description: |
| Get processes from the MeasurementFile with id={param} |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/processes |
| Method: |
| DELETE |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/processes |
| Description: |
| Remove all business processes from the MeasurementFile with id={param}. |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/devicediscovered |
| Method: |
| PUT |
| Input XML: |
| <cim:DeviceDiscovered xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/devicediscovered |
| Description: |
| Add sensor into the list of sensors in the MeasurementFile |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/devicesdiscovered |
| Method: |
| PUT |
| Input XML: |
| <cim:DeviceDiscovered xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/devicesdiscovered |
| Description: |
| Add multiple sensors into the list of sensors in the MeasurementFile |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/sensors |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfSensors xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/sensors> |
| Description: |
| Get sensor devices from the MeasurementFile with id={param} |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/sensors/{param2} |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfSensors xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/certh/sensors/Kinect> |
| Description: |
| Get sensor devices from the MeasurementFile with id={param} of type {param2} |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/sensors/other |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfSensors xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/certh/sensors>/other |
| Description: |
| Get sensor devices from the MeasurementFile with id={param} of type different from “Kinect” and “RFID” |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/sensors |
| Method: |
| DELETE |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/sensors |
| Description: |
| Remove all sensors from the MeasurementFile with id={param}. |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/equipments |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfEquipments xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/equipments> |
| Description: |
| Get equipment devices from the MeasurementFile with id={param} |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/equipments |
| Method: |
| DELETE |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/equipments |
| Description: |
| Remove all equipments from the MeasurementFile with id={param}. |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/importbuilding |
| Method: |
| PUT |
| Input XML: |
| <cim:BuildingImport xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/importbuilding |
| Description: |
| Add building to the MeasurementFile with id {param}. If there is already a building in the MeasurementFile, it will be replaced with the imported one |

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| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/gbXML/convert |
| Method: |
| GET |
| Output XML: |
| <gbXML> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/gbXML/convert> |
| Description: |
| Get gbXML from the MeasurementFile with id={param}. It will transform .openBR. and .closeBR. strings to the < > so the result is a valid gbXML file (if you get the full measurement file using another service above, it will have .openBR. and .closeBR. strings instead inside the tag) |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/gbXML |
| Method: |
| GET |
| Output XML: |
| <gbXML> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/gbXML> |
| Description: |
| Get gbXML tag content from the MeasurementFile with id={param} as it is. It will not transform .openBR. and .closeBR. strings |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/building |
| Method: |
| GET |
| Output XML: |
| <cim:BuildingExport xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/building> |
| Description: |
| Get building from the MeasurementFile with id={param} |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/building |
| Method: |
| DELETE |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/building |
| Description: |
| Remove building from the MeasurementFile with id={param}. It will also remove all sensorDevices from the MeasurementFile |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/zones |
| Method: |
| PUT |
| Input XML: |
| <cim:ListOfZones xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/zones |
| Description: |
| Add process to the MeasurementFile with id {param} |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/zones |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfZones xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/zones> |
| Description: |
| Get list of zones from the MeasurementFile with id={param} |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/zones |
| Method: |
| DELETE |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/zones |
| Description: |
| Remove list of zones from the MeasurementFile with id={param}. |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/sensortypes |
| Method: |
| PUT |
| Input XML: |
| <dev:SensorType xmlns:dev="http://www.adapt4ee.eu/2012/schema/device/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/sensortypes |
| Description: |
| Add list of sensor types (replaces the existing one) |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/sensortypes |
| Method: |
| GET |
| Output XML: |
| <dev:SensorType xmlns:dev="http://www.adapt4ee.eu/2012/schema/device/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/sensortypes> |
| Description: |
| Get list of sensor types |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/sensortypes |
| Method: |
| DELETE |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/sensortypes |
| Description: |
| Remove list of sensor types |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/space/{spaceID}/getequipments |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfEquipments xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/space/1/getequipments> |
| Description: |
| Get equipments from the measurement file with id = {param} in the space with id = {spaceID} |

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| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/space/{spaceID}/deleteequipments |
| Method: |
| DELETE |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/space/1/deleteequipments> |
| Description: |
| Remove the list of equipments from the specified space |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/space/{spaceID}/addequipments |
| Method: |
| PUT |
| Input XML: |
| <cim:ListOfEquipments xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/space/1/addequipments> |
| Description: |
| Add a list of equipments to the existing one in the specified space (keeps the existing ones) |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/space/{spaceID}/replaceequipments |
| Method: |
| PUT |
| Input XML: |
| <cim:ListOfEquipments xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/space/1/replaceequipments> |
| Description: |
| Replaces the list of equipments in the specified space (replaces the existing ones) |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/getroles |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfRoles xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/getroles> |
| Description: |
| Get list of sensor types |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/deleteroles |
| Method: |
| DELETE |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/deleteroles> |
| Description: |
| Remove list of roles |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/addroles |
| Method: |
| PUT |
| Input XML: |
| <cim:ListOfRoles xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/addroles> |
| Description: |
| Add list of roles (keeps the existing one) |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/replaceroles |
| Method: |
| PUT |
| Input XML: |
| <cim:ListOfRoles xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| <http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/replaceroles> |
| Description: |
| Add list of roles (replaces the existing one) |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/space/{spaceID}/getlightings |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfLightings xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| [http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/space/1/getlightings](http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/space/1/getequipments) |
| Description: |
| Get lightings from the measurement file with id = {param} in the space with id = {spaceID} |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/getlightings |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfLightings xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/getlightings |
| Description: |
| Get lightings from the measurement file with id = {param} |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/space/{spaceID}/deletelightings |
| Method: |
| DELETE |
| Example URL: |
| [http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/space/1/deletelightings](http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/space/1/deleteequipments) |
| Description: |
| Remove the list of lightings from the specified space |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/space/{spaceID}/addlightings |
| Method: |
| PUT |
| Input XML: |
| <cim:ListOfLightings xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| [http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/space/1/addlightings](http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/space/1/addequipments) |
| Description: |
| Add a list of lightings to the existing one in the specified space (keeps the existing ones) |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/space/{spaceID}/replacelightings |
| Method: |
| PUT |
| Input XML: |
| <cim:ListOfLightings xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| [http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/space/1/replacelightings](http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/space/1/replaceequipments) |
| Description: |
| Replaces the list of lightings in the specified space (replaces the existing ones) |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/space/{spaceID}/getHVACs |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfHVACs xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| [http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/space/1/getHVACs](http://147.232.202.15:8080/Adapt4EE_CIMIM/rest/measurementfile/1/space/1/getequipments) |
| Description: |
| Get HVACs from the measurement file with id = {param} in the space with id = {spaceID} |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/getHVACs |
| Method: |
| GET |
| Output XML: |
| <cim:ListOfHVACs xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/getHVACs |
| Description: |
| Get HVACs from the measurement file with id = {param} |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/deleteHVACs |
| Method: |
| DELETE |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/deleteHVACs |
| Description: |
| Remove the list of HVACs from the specified measurement file |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/addHVACs |
| Method: |
| PUT |
| Input XML: |
| <cim:ListOfHVACs xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/addHVACs |
| Description: |
| Add a list of HVACs to the existing one in the specified measurement file (keeps the existing ones) |

|  |
| --- |
| URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/{param}/replaceHVACs |
| Method: |
| PUT |
| Input XML: |
| <cim:ListOfHVACs xmlns:cim="http://www.adapt4ee.eu/2012/schema/cim/"/> |
| Example URL: |
| http://147.232.202.15:8080/Adapt4EE\_CIMIM/rest/measurementfile/1/replaceHVACs |
| Description: |
| Replaces the list of HVACs in the specified measurement file (replaces the existing ones) |