

Sample Mapping #	Mapping Type	Topics/Substitutions	API	Template-Source	Target-Payload	Expected Result
01	JSON	<pre> mappingTopic: /plant1/+/ mappingTopicSample: /plant1/line1/device1_measure1_Type check: Create non existing device  sub: 1.[ * _TOPIC_LEVEL_[1]&amp;"_&amp;_TOPIC_LEVEL_[2]&amp;"_&amp;\$substringBefore(_TOPIC_LEVEL_[3],".") -&gt; _IDENTITY_.externalId ] 2.[ \$substringAfter(_TOPIC_LEVEL_[3],"_") -&gt; type ] 3.[ \$now() -&gt; time ] 4.[ value -&gt; measure1_Type.V.value ] </pre>	M	<pre> {     "value": 100 } </pre>	<pre> {     "measure1_Type": {         "V": {             "value": 110,             "unit": "C"         }     },     "time": "2022-08-05T00:14:49.389+02:00",     "type": "c8y_TemperatureMeasurement" } </pre>	For the device with external id: plant1_line1_device1 a measurement c8y_TemperatureMeasurement should be created. The device is created implicitly.
02	JSON	<pre> mappingTopic: devices/+ mappingTopicSample: devices/device_best_01 check: Create non existing device  sub: 1.[ * _TOPIC_LEVEL_[1] -&gt; _IDENTITY_.externalId ] 2.[ mea.values[0].value -&gt; c8y_ProcessLoadMeasurement.L.value ] 3.[ mea.values.timestamp.\$fromMillis(\$) -&gt; time ] check expand to array for this substitution </pre>	M	<pre> {     "mea": [         {             "tid": "uuid_01",             "psid": "Crest",             "devicePath": "path01_80_X03_VVB001statusB_Crest",             "values": [                 {                     "value": 4.6,                     "timestamp": 1648562285347                 }             ]         },         {             "tid": "uuid_02",             "psid": "Crest",             "devicePath": "path01_80_X03_VVB001statusB_Crest",             "values": [                 {                     "value": 5.6,                     "timestamp": 1648563285347                 }             ]         }     ] } </pre>	<pre> {     "c8y_ProcessLoadMeasurement": {         "L": {             "value": 110,             "unit": "%"         }     },     "time": "2022-08-05T00:14:49.389+02:00",     "type": "c8y_ProcessLoadMeasurement" } </pre>	For the device with external id: device_best_01 multiple measurements should be created. The device is created implicitly.
03	JSON	<pre> mappingTopic: device/express/+ mappingTopicSample: device/express/berlin_01 check: Use external id  sub: 1.[ * _TOPIC_LEVEL_[2] -&gt; _IDENTITY_.externalId ] 2.[ customType -&gt; type ] 3.[ operator&amp;"-&amp;line -&gt; name ] 4.[ capacity -&gt; capacity ] </pre>	I	<pre> {     "line": "Bus-Berlin-Rom",     "operator": "EuroBus",     "customFragment": {         "customFragmentValue": "Express"     },     "capacity": 64,     "customArray": [         "ArrayValue1",         "ArrayValue2"     ],     "customType": "type_International" } </pre>	<pre> {     "c8y_IsDevice": {},     "com_cumulocity_model_Agent": {},     "name": "Bus Name",     "type": "type_bus",     "capacity": 100,     "time": "2022-08-05T00:14:49.389+02:00", } </pre>	Create device with: 1.external id: berlin_01 2.name: EuroBus-Bus-Berlin-Rom 3.type: type_International
04	JSON	<pre> mappingTopic: event/+ mappingTopicSample: event/berlin_01 check: Use external id  sub: 1.[ * _TOPIC_LEVEL_[1] -&gt; _IDENTITY_.externalId] 2.[ txt-&gt;text ] 3.[ msg_type -&gt; type ] </pre>	E	<pre> {     "msg_type": "c8y_BusStopEvent",     "txt": "Bus stopped at petrol station today!",     "td": "2022-09-08T16:21:53.389+02:00",     "ts": "1665473038000" } </pre>	<pre> {     "text": "This is a new test event.",     "time": "2022-08-05T00:14:49.389+02:00",     "type": "c8y_GeneralBusEvent" } </pre>	Event for existing device should be created mention [ \$fromMillis(\$number(deviceTimestamp))->time ]
05	JSON	<pre> mappingTopic: measurement/+/gazoline mappingTopicSample: measurement/berlin_01/gazoline check: Use external id  sub: 1.[ * _TOPIC_LEVEL_[1] -&gt; _IDENTITY_.externalId ] 2.[ fuel -&gt; c8y_FuelMeasurement.F.value ] 3.[ \$now() -&gt; time ] </pre>	M	<pre> {     "fuel": 65,     "ts": "2022-08-05T00:14:49.389+02:00",     "mea": "c8y_FuelMeasurement" } </pre>	<pre> {     "c8y_FuelMeasurement": {         "L": {             "value": 110,             "unit": "L"         }     },     "time": "2022-10-18T00:14:49.389+02:00",     "type": "c8y_FuelMeasurement" } </pre>	Add c8y_FuelMeasurement to bus.

06	JSON	<pre> mappingTopic: multiarray/devices mappingTopicSample: multiarray/devices check: Use external id  sub: 1. [ * device -&gt; _IDENTITY_.externalId ] , choose option "Expand Array" 2.[ types.type_A -&gt; type ] 3.[ \$map(used_name, function(\$v, \$i, \$a) { \$contains(\$v,'dl') ? \$join(['Special_i0', \$string(\$i)]) : \$join([\$string(\$v), \$string(\$i)]) }) -&gt; name ] , choose option "Expand Array" </pre>	I	<pre> {   "device": [     "d1_id",     "d2_id"   ],   "types": {     "type_A": "type_A",     "type_B": "type_B"   },   "used_name": [     "Pressure_d1",     "Pressure_d2"   ] } </pre>	<pre> {   "c8y_IsDevice": {},   "name": "Vibration Sensor",   "type": "maker_Vibration_Sensor" } </pre>	<p>New Devices: 1.Pressure_d21 2.Special_i00 should be created.</p> <p>All device have the same type "type_A"</p>
07	JSON	<pre> mappingTopic: arrayType/devices mappingTopicSample: arrayType/devices check: Create non existing device check: Use external id  sub: 1. [ \$substringBefore(\${0}.devicePath,"_AL") -&gt; _IDENTITY_.externalId ] 2. [ \${}.values[0].value -&gt; c8y_TemperatureMeasurement.T.value ] , choose option "Expand Array" 3. [ \$map(\$map(\${}.values[0].timestamp, \$number), function(\$v){ \$fromMillis(\$v)}) -&gt; time ] , choose option "Expand Array" </pre>	M	<pre> [   {     "tid": "5e4bac9f-b47a-499e-8601-68fc16a9847c",     "psid": "Crest",     "devicePath": "c2818e07-4c09-42f0-ba24-ddb712573ab5_AL1352_192168221_80_X03_VVB001StatusB_Cre st",     "processDataUnit": "20",     "values": [       {         "value": 4.6,         "timestamp": 1648562285347       }     ]   },   {     "tid": "5e4bac9f-b47a-499e-8601-68fc16a9847c",     "psid": "Crest",     "devicePath": "c2818e07-4c09-42f0-ba24-ddb712573ab5_AL1352_192168221_80_X03_VVB001StatusB_Cre st",     "processDataUnit": "20",     "values": [       {         "value": 5.6,         "timestamp": 1648562285347       }     ]   } ] </pre>	<pre> {   "c8y_TemperatureMeasurement": {     "T": {       "value": 110,       "unit": "C"     }   },   "time": "2022-08-05T00:14:49.389+02:00",   "type": "c8y_TemperatureMeasurement" } </pre>	Create one device implicitly with the name: device_c8y_Serial_c2818e07-4c09-42f0-ba24-ddb712573ab5 and for this device create two measurements of type: "c8y_TemperatureMeasurement"
08	JSON	<pre> mappingTopic: eventObject/ mappingTopicSample: eventObject/berlin_01 check: Use external id  sub: 1. [ _TOPIC_LEVEL_[1] -&gt; _IDENTITY_.externalId ] 2. [ txt -&gt; text ] 3. [ msg_type -&gt; type ] 4. [ \$now() -&gt; time ] 5. [ model -&gt; customProperties ] choose Repair Strategy: REMOVE_IF_MISSING_OR_NULL </pre>	E	<pre> {   "msg_type": "c8y_BusStopEvent",   "txt": "Bus stopped at petrol station today!",   "td": "2022-09-08T16:21:53.389+02:00",   "model": {     "name": "MAN e-Bus"   } } </pre>	<pre> {   "text": "This is a new test event.",   "time": "2022-08-05T00:14:49.389+02:00",   "type": "c8y_TestEvent",   "customProperties": "dummy" } </pre>	<p>Create event for device.</p> <p>If the source payload contains the fragment model it is mapped to customProperties.</p> <p>If it does not contain the fragment the customProperties is removed from the target payload.</p>

09	JSON	<pre> mappingTopic: measurementObject/+/gazoline mappingTopicSample: measurementObject/berlin_01/gazoline check: Use external id  sub: 1.[ * _TOPIC_LEVEL_[1] -&gt; _IDENTITY_.externalId ] 2.[ mea -&gt; type ] 3.[ \$now() -&gt; time ] 4.[ fuel*3.78541 -&gt; c8y_FuelMeasurement.Tank.value ] 5.[ (oil?{"Motor": {"value":oil, "unit":"l"}):null) -&gt; c8y_OilMeasurement ] choose Repair Strategy: REMOVE_IF_MISSING_OR_NULL </pre>	M	<pre> {   "fuel": 65,   "oil": 4.5,   "ts": "2022-08-05T00:14:49.389+02:00",   "mea": "c8y_FuelMeasurement" } </pre>	<pre> {   "c8y_FuelMeasurement": {     "Tank": {       "value": 110,       "unit": "l"     }   },   "c8y_OilMeasurement": "undefined",   "time": "2022-08-05T00:14:49.389+02:00",   "type": "c8y_FuelMeasurement" } </pre>	This mapping makes use of the option "REMOVE_IF_MISSING_OR_NULL". The incoming payload can contain either properties: "fuel", "oil" or both. Depending on this the relevant fragments in the Cumulocity measurement are created.
10	HEX	<pre> mappingTopic: hex/ mappingTopicSample: hex/berlin_01 check: Use external id  sub: 1.[ * _TOPIC_LEVEL_[1] -&gt; _IDENTITY_.externalId ] 2.[ \$number(\$substring(payload,0,6)) -&gt; value ] </pre>	E	Hex Code: 0x41b1 No leading 0x, only the plain payload as hexadecimal numbers	<pre> {   "text": "This is a new test event.",   "time": "2022-08-05T00:14:49.389+02:00",   "type": "c8y_TestEvent",   "value": 99 } </pre>	Snoop recorded message
11	JSON	<pre> mappingTopic: operation/ mappingTopicSample: operation/berlin_01 check: Use external id  sub: 1.[ * _TOPIC_LEVEL_[1] -&gt; deviceId ] </pre>	O	<pre> {   "text": "Special operation restart" } </pre>	<pre> {   "description": "New camera operation!",   "type": "maintenance_operation" } </pre>	Create operation "maintenance_operation" for device with externalId berlin_01
12	HEX	<pre> mappingTopic: hexEvent/ mappingTopicSample: hexEvent/berlin_01 check: Use external id  sub: 1. [ "Temp: "&amp;\$number(\$substring(payload,0,4))&amp;" C" -&gt; text ] 2. [ * _TOPIC_LEVEL_[1] -&gt; _IDENTITY_.externalId ] 3. [ \$now() -&gt; time ] </pre>	E	Hex Code: 0x5a75 No leading 0x, only the plain payload as hexadecimal numbers	<pre> {   "text": "This is a new test event.",   "time": "2022-08-05T00:14:49.389+02:00",   "type": "c8y_TestEvent" } </pre>	Send c8y_TestEvent to device with externalId berlin_01
13	JSON	<pre> mappingTopic: device/update/ mappingTopicSample: device/update/berlin_01 check: Use external id  sub: 1.[ * _TOPIC_LEVEL_[2] -&gt; _IDENTITY_.externalId ] </pre>	I	<pre> {   "customType": "type_Ovenight" } </pre>	<pre> {   "type": "type_any" } </pre>	Update type of existing device.
14	PROTOBUF_INTERNAL	<pre> mappingTopic: protobuf/measurement mappingTopicSample: protobuf/measurement check: Use external id  sub: Defined in cumulocity-dynamic-mapper/dynamic-mapper-service/src/main/java/dynamic/mapper/processor/processor/fixed/StaticProtobufProcessor.java </pre>	M	Send message in protobuf format:  <pre> option java_package = "mqtt.mapping.processor.protobuf"; option java_outer_classname = "MeasurementProto"; message CustomMeasurement {   int64 timestamp = 1;   float value = 2;   string unit = 3;   string externalIdType = 4;   string externalId = 5;   string measurementType = 6; }  Use test client: cumulocity-dynamic-mapper/dynamic-mapper-service/src/test/java/dynamic/mapping/ProtobufMqttClient </pre>	<pre> {   "c8y_GenericMeasurement": {     "Module": {       "value": 110,       "unit": "l"     }   },   "time": "2022-08-05T00:14:49.389+02:00",   "type": "c8y_GenericMeasurement_type" } </pre>	Use test client: cumulocity-dynamic-mapper/dynamic-mapper-service/src/test/java/dynamic/mapping/ProtobufMqttClient.java to create a new measurement for bus "berlin_01"

		<pre> mappingTopic: protobuf/event mappingTopicSample: protobuf/event check: Use external id  sub: Defined in cumulocity-dynamic-mapper/dynamic-mapper-extension/src/main/java/dynamic/mapper/processor/extension/external/ProcessorExtensionCustomEvent.java  In selection: Extensions for PROCESSOR_EXTENSION choose: dynamic-mapper-extension  In selection: Events for dynamic-mapper-extension choose: CustomEvent </pre>		Send message in protobuf format:  syntax = "proto3"; package processor.protobuf;  option java_package = "mqtt.mapping.processor.extension.external"; option java_outer_classname = "CustomEventOuter";  message CustomEvent { int64 timestamp = 1; string txt = 2; string unit = 3; string externalIdType = 4; string externalId = 5; string eventType = 6; }  Use test client: cumulocity-dynamic-mapper/dynamic-mapper-extension/src/test/java/dynamic/mapping/ProtobufMqttClient.java	{ "text": "This is a new test event.", "time": "2022-08-05T00:14:49.389+02:00", "type": "c8y_TestEvent" }	Use test client: cumulocity-dynamic-mapper/dynamic-mapper-extension/src/test/java/dynamic/mapping/ProtobufMqttClient.java to create a new event for bus "berlin_01"
15	EXTENSION_SOURCE	<pre> mappingTopic: panel mappingTopicSample: panel check: Create non existing device check: Use external id  sub: 1.[ * deviceId -&gt; _IDENTITY_.externalId ] 2.[ \$fromMillis(\$number(deviceTimestamp)) -&gt; time ] 3.[ temperature -&gt; c8y_TemperatureMeasurement.T.value ] </pre>	M	{ "deviceId": "863859042393327", "version": "1", "deviceType": "20", "deviceTimestamp": "1665473038000", "deviceStatus": "BTR", "temperature": 90 }	{ "c8y_TemperatureMeasurement": { "t": { "value": 110, "unit": "C" } }, "time": "2022-08-05T00:14:49.389+02:00", "type": "c8y_TemperatureMeasurement" }	Devices with external id: 863859042393327 does not exist and is implicitly created. For this device an new measurement is created.
16	JSON	<pre> mappingTopic: panel mappingTopicSample: panel check: Use external id  sub: 1.[ * deviceId -&gt; _IDENTITY_.externalId ] 2.[ \$fromMillis(\$number(deviceTimestamp)) -&gt; time ] 3.[ temperature -&gt; c8y_TemperatureMeasurement.T.value ] </pre>	E	{ "deviceId": "863859042393327", "version": "1", "deviceType": "20", "deviceTimestamp": "1665473038000", "deviceStatus": "BTR", "temperature": 90 }	{ "text": "New device status: BTR!", "time": "2022-11-24T00:14:49.389+02:00", "type": "c8y_GeneralPanelEvent" }	For this device an new event is created.
17	JSON	<pre> mappingTopic: flexM/+/gazoline mappingTopicSample: flexM/berlin_01/gazoline check: Use external id  sub: 1.[ * _TOPIC_LEVEL_[1] -&gt; _IDENTITY_.externalId ] 2.[ Measurementname &amp; "_type" -&gt; type ] 3.[ Measurementname = "Airsensor" ? {Seriesname:{value": value, "unit": unit}} : null -&gt; Airsensor ] select: Repair Strategy: REMOVE_IF_NULL_OR_MISSING 4.[ Measurementname = "Liquidsensor" ? {Seriesname:{value": value, "unit": unit}} : null -&gt; Liquidsensor ] select: Repair Strategy: REMOVE_IF_NULL_OR_MISSING 5.[ Snow() -&gt; time ] </pre>	M	{ "Measurementname": "Airsensor", "Seriesname": "Humidity", "value": 10, "unit": "%" }	{ "Airsensor": "dummy", "Liquidsensor": "dummy", "time": "2022-08-05T00:14:49.389+02:00", "type": "c8y_measurementtype" }	Depending on the content in the payload: 1. is "Airsensor" present 2. is "Liquidsensor" present either mapping 3. or 4. is evaluated and the relevant fragment in the measurement is crrected.
18	JSON	<pre> mappingTopic: alarm/tires mappingTopicSample: alarm/tires check: Use external id  sub: 1.[ bus_id -&gt; _IDENTITY_.externalId ] 2.[ msg_type -&gt; type ] 3.[ tx -&gt; text ] </pre>	A	{ "msg_type": "c8y_FlatTireAlarm", "tx": "Left rear tire loses air!", "bus_id": "berlin_01" }	{ "type": "c8y_FlatTireAlarm", "text": "Left rear tire loses air!", "severity": "MAJOR", "status": "ACTIVE", "time": "2022-03-19T12:03:27.845Z" }	An alarm should be created for the device berlin_01.

20	EXTENSION_SOURCE	<pre> mappingTopic: measurementExt mappingTopicSample: measurementExt mappingType: Processor Extension Source check: Use external id  sub: Extension for PROCESSOR_EXTENSION_SOURCE: dynamic-mapper-extension Events for dynamic-mapper-extension: CustomMeasurement  Defined in cumulocity-dynamic-mapper/dynamic-mapper-extension/src/main/java/dynamic/mapping/processor/extension/external/ProcessorExtensionCustomMeasurement.java </pre>	M	<pre>{     "temperature": 120.5,     "unit": "Celsius",     "time": "2023-07-12T16:21:53.389+02:00",     "externalId": "berlin_01",     "unexpected": 17.5 }</pre>	<pre>{     "time": "2022-08-05T00:14:49.389+02:00",     "type": "c8y_Temperature",     "c8y_Temperature": "dummy",     "c8y_Fragment_to_remove": "remove_me" }</pre>	<p>A measurement should be created for the device <code>berlin_01</code>. The fragment <code>"c8y_Fragment_to_remove"</code> is not included in the created measurement, as the repair strategy is <code>"REMOVE_IF_NULL"</code>. In addition the repair strategy <code>"CREATE_IF_MISSING"</code> is used. This is required to map the node <code>"unexpected"</code> to the target fragment <code>"c8y_Unexpected"</code>. This is created, due to the used repair strategy.</p>
21	JSON	<pre> mappingTopic: v2/things/ mappingTopicSample: v2/things/berlin_01 check: Use external id  1. [* _TOPIC_LEVEL_[2] -&gt; _IDENTITY_.externalId ] 2. [ \$now() -&gt; time ] 3. [ values(key: { 'Measurement':{ 'value':value, 'key': 'U'}}) -&gt; \$ ] </pre>	M	<pre>{     "values": [         {             "key": "velocidad_cabezal",             "value": 136.34         },         {             "key": "temperature",             "value": 25         }     ] }</pre>	<pre>{     "time": "2022-08-05T00:14:49.389+02:00",     "type": "c8y_FlexibleMeasurement" }</pre>	<p>A measurement with two fragments: 1. <code>velocidad_cabezal</code> 2. <code>temperature</code> is created. It demonstrates the use of a substitution using <code>"\$"</code> as a target. This results in merging the extracted content with the predefined target template.</p>
22	JSON	<pre> mappingTopic: v3/things/ mappingTopicSample: v3/things/berlin_01 check: Use external id  1. [* _TOPIC_LEVEL_[2] -&gt; _IDENTITY_.externalId ] 2. [ \$now() -&gt; time ] 3. [ \$map(values, function (\$v) { { \$v.key: { 'Measurement':{ 'value':\$v.value, 'unit': 'U'}}}}) -&gt; \$ ] ] select: Expand as array </pre>	M	<pre>{     "values": [         {             "key": "velocidad_cabezal",             "value": 136.34         },         {             "key": "temperature",             "value": 25         }     ] }</pre>	<pre>{     "time": "2022-08-05T00:14:49.389+02:00",     "type": "c8y_FlexibleMeasurement" }</pre>	<p>Two measurements with different fragments: 1. <code>velocidad_cabezal</code> 2. <code>temperature</code> are created. It demonstrates the use of a substitution using <code>"\$"</code> as a target. This results in merging the extracted content with the predefined target template in combination with the attribute <code>"expand2Array"</code>. See as well mapping 21.</p>
23	JSON	<pre> mappingTopic: datalogger/0018 mappingTopicSample: datalogger/0018 check: Use external id  1. [ * ID -&gt; _IDENTITY_.externalId ] 2. [ \$replace(ts, ' ', 'T') -&gt; time ] 3. [ \$map(\$spread(meas), function(\$v, \$k) { { \$keys(\$v): { "value": \$lookup(\$v,\$keys(\$v))[0], "unit": "l/h" } } })-&gt;\$merge() -&gt; onguardMeasurement ] </pre>	M	<pre>{     "ID": "0018",     "meas": {         "Product1_Flow": [             14.93         ],         "Water_Flow": [             18.54         ],         "Product2_Flow": [             272.9         ],         ...     },     "ts": "2024-06-18 13:20:45.000Z" }</pre>	<pre>{     "onguardMeasurement": null,     "time": "2022-08-05T00:14:49.389+02:00",     "type": "onguardMeasurement" }</pre>	<p>Map the structure under <code>meas</code> as fragments in the measurements. The number of keys in <code>meas</code> can vary and must therefore be generated dynamically.</p>
24	EXTENSION_SOURCE_TARGET	<pre> mappingTopic: extension/source_target mappingTopicSample: extension/source_target check: Use external id  Extensions for Processor Extension Source Target: select Events for: select  Defined in cumulocity-dynamic-mapper/dynamic-mapper-extension/src/main/java/dynamic/mapping/processor/extension/external/ProcessorExtensionCustomAlarm.java </pre>	A	<pre>{     "alarmType": "MAJOR",     "message": "This is an alarm for the extension!",     "type": "c8y.ExtensionAlarm",     "externalId": "berlin_01",     "time": "2024-06-18T13:20:45.000Z" }</pre>	<pre>{     "onguardMeasurement": null,     "time": "2022-08-05T00:14:49.389+02:00",     "type": "onguardMeasurement" }</pre>	<p>the extraction and the substitution in the <code>tagetPayload</code> are implemented in java, see <code>ProcessorExtensionCustomAlarm.java</code>. This is useful if the processing of the source payload can't be achieved in JSONata and the building of the <code>tagetP</code> payload (Cumulocity) cant be achieved by standard substitutions.</p>

25	JSON	<pre> mappingTopic: alarm/tires_c8ySourceId mappingTopicSample: alarm/tires_c8ySourceId check: Use external id  sub: 1. [ bus_c8ySourceId -&gt; _IDENTITY_.c8ySourceId ] 2. [ msg_type -&gt; type ] 3. [ tx -&gt; text ] </pre>	A	<pre> {   "msg_type": "c8y_FlatTireAlarm",   "tx": "Left rear tire loses air!",   "bus_c8ySourceId": "10203040" } </pre>	<pre> {   "type": "c8y_FlatTireAlarm",   "text": "Left rear tire loses air!",   "severity": "MAJOR",   "status": "ACTIVE",   "time": "2022-03-19T12:03:27.845Z" } </pre>	An alarm should be created for the device identified by a Cumulocity id. This is in contrast to the mapping 19, which uses the external id: "Berlin_01"
26	FLAT_FILE	<pre> mappingTopic: flatfile/quec_msg mappingTopicSample: flatfile/quec_msg check: Use external id  sub: 1. [ * \$split(payload,',')[2] -&gt; _IDENTITY_.externalId ] 2. [ \$split(payload,',')[11] -&gt; c8y_Position.lng ] 3. [ \$split(payload,',')[10] -&gt; c8y_Position.alt ] 4. [ \$split(payload,',')[12] -&gt; c8y_Position.lat ] 5. [ \$replace(\$split(payload,',')[13], '^(\d{4}) (\d{2}) (\d{2}) (\d{2}) (\d{2}) \$', '\$1-\$2-\$3T\$4:\$5:\$6.00+02:00') -&gt; time ] </pre>	E	<p>this is the wrapped message to be used in the UI:</p> <pre> {   "payload": "+RESP:GTRRI,740B02,862524060786163,GV350CEU,,10,10,1, 0.0,0,683.1,46.764443,24.818146,20250821072739" } </pre> <p>the original payload would be just the cvs string to be send from the device:</p> <pre> +RESP:GTRRI,740B02,862524060786163,GV350CEU,,10,10,1,0 .0,0,683.1,46.764443,24.818146,20250821072739 </pre>	<pre> {   "text": "Locaiton Update Event",   "time": "2022-08-05T00:14:49.389+02:00",   "type": "c8y_LocationUpdate",   "c8y_Position": {     "lng": 6.95173,     "alt": 67,     "lat": 51.151977   } } </pre>	An event should be created for the device identified by an external id which is found at the 3rd position (starting from position 3).