Sample Mapping #	Mapping Type	Topics/Substitutions	API	Template-Source	Target-Payload	Expected Result
51	JSON	<pre>publishTopic: evt/outbound/# mappingTopicSample: evt/outbound/berlin_01 filterMapping: bus_event NOTE: for outbound mappings no tt (template topic) is defined. check: Use external id  sub: 1.[ _IDENTITYc8ySourceId -&gt; _TOPIC_LEVEL_[2] ] 2.[ type -&gt; eventType ] 3.[ Snow() -&gt; time ] 4.[ bus_event -&gt; bus_event ] 5.[ _IDENTITYexternalId -&gt; deviceId ]</pre>	Е	{     "type": "c8y_BusEvent",     "text": "Bus was stopped",     "time": "2022-08-05700:14:49.389+02:00",     "bus_event": "stop_event" }	<pre>"deviceId": "909090",    "description": "This is a new test event.",    "time": "2022-08-05T00:14:49.389+02:00",    "eventType": "TestEvent",    "bus_event": "stop_event",    "_TOPIC_LEVEL_": [         "evet",         "outbound",         "berlin_01" ]</pre>	Publish mqtt msg. with event on topic 'evt/outbound/berlin_01' Use following command to create sample event: c8y events createdevice "YOUR_DEVICE_ID"data 'bus_event="stop_event", text="Bus was stopped today!", type="c8y_BusEvent"'
52	JSON	<pre>publishTopic: opp/outbound/# mappingTopicSample: opp/outbound/berlin_01 filterMapping: bus_opp check: Use external id  NOTE: for outbound mappings no tt (template topic) is defined.  sub: 1. [_IDENTITYexternalId -&gt; _TOPIC_LEVEL_[2] ] choose: Resolve to externalId 2. [ bus_opp -&gt; decription ] 3. [ * _IDENTITYc8ySourceId -&gt; c8y_Id ]</pre>	0	{   "bus_opp": "New engine restart operation!" }	<pre>"c8y_Id": "909090", "decription": "dummy operation", "type": "bus_operation", "_TOPIC_LEVEL_": [     "opp",     "outbound",     "berlin_01" ]</pre>	Publish mqtt msg. with operation on topic 'opp/outbound/berlin_01' Use following command to create sample event: c8y operations create device "YOUR_DEVICE_ID" data 'bus_opp="New engine restart operation!"' Note: The option "resolve2ExternalId = false" esures that the C8Y internal device id is used in substitution 3.
53	JSON	<pre>publishTopic: evt/outDeviceId/# mappingTopicSample: evt/outDeviceId/berlin_01 filterMapping: bus_event NOTE: for outbound mappings no tt (template topic) is defined. check: Use external id  sub: 1.[ _IDENTITYexternalId -&gt; _TOPIC_LEVEL_[2] ] 2.[ type -&gt; eventType ] 3.[ \$now() -&gt; time ] 4.[ bus_event -&gt; bus_event ] 5.[ _IDENTITYc8ySourceId -&gt; c8y_Id ] 6. [ text -&gt; description ]</pre>	Е	{     "type": "c8y_BusEvent",     "text": "Bus was stopped",     "time": "2022-08-05700:14:49.389+02:00",     "bus_event": "stop_event" }	<pre>"c8y_Id": "909090",    "description": "This is a new test event.",    "time": "2022-08-05T00:14:49.389+02:00",    "eventType": "TestEvent",    "bus_event": "stop_event",    "_TOPIC_LEVEL_": [         "evt",         "outbound",         "berlin_01" ]</pre>	Publish mqtt msg. with event on topic 'evt/outbound/berlin_01' Use following command to create sample event: c8y events createdevice "YOUR_DEVICE_ID"data 'bus_event="stop_event", text="Bus was stopped today!", type="c8y_BusEvent"
54	JSON	<pre>publishTopic: ednvcfnr-event mappingTopicSample: ednvcfnr-event filterMapping: bus_event NOTE: for outbound mappings no tt (template topic) is defined. check: Use external id check: Use message context  sub: 1.    [_IDENTITYexternalId -&gt; _CONTEXT_DATAkey ] 2.    [ type -&gt; eventType ] 3.    [ \$now() -&gt; time ] 4.    [ bus_event -&gt; bus_event ] 5.    [_IDENTITYexternalId -&gt; deviceId ]</pre>	Е	<pre>"type": "c8y_BusEvent",   "text": "Bus was stopped",   "time": "2022-08-05T00:14:49.389+02:00",   "bus_event": "stop_event" }</pre>	<pre>"deviceId": "909090",   "description": "This is a new test event.",   "time": "2022-08-05700:14:49.389+02:00",   "eventType": "TestEvent",   "bus_event": "stop_event",   "_TOPIC_LEVEL_": [       "evt",       "outbound",       "berlin_01" ]</pre>	Publish msg. to kafka with event on topic 'ednvcfnr-event' Use following command to create sample event: c8y events createdevice "YOUR_DEVICE_ID"data 'bus_event="stop_event", text="Bus was stopped today!", type="c8y_BusEvent"'. The Cumulocity device id is added as key (message context).

55	JSON OUTBOUND check "Define substitutions as JavaScript"	publishTopic: measurement/measurements mappingTopicSample: measurement/measurements filterMapping: c8y_TemperatureMeasurement.T.value > 10 filterInventory: type = "wika_PGW23"  sub are defined in the JavaScript code:  //Define temperature fragment mapping temperature -> c8y_Temperature.T.value/unit const temperatureSV = new SubstitutionValue(temperatureFragment, TYPE.OBJECT, RepairStrategy.CREATE_IF_MISSING, false); addSubstitution(result, 'c8y_TemperatureProcessed', temperatureSV);  NOTE: the JavaScript code is included in the samples file mappings-OUTBOUND.json	М	<pre>{   "c8y_TemperatureMeasurement": {     "r": {         "value": 110,         "unit": "C"     } },   "time": "2022-08-05T00:14:49.389+02:00",   "type": "c8y_TemperatureMeasurement", }</pre>	{     "Temperature": {         "value": 110,         "unit": "C" },     "source": {         "id": "878275" },     "time": "2022-08-05700:14:49.389+02:00",     "type": "c8y_TemperatureProcessed",     "CONTEXT_DATA_": {         "key": "key-sample",         "method": "POST",         "publishTopic": "measurement/measurements" },     "_TOPIC_LEVEL_": [         "measurement",         "measurements" ] }	This outbound mapping listens to c8y_TemperatureMeasurement and creates a new measurement of type c8y_TemperatureProcessed
56	JSON OUTBOUND check "Define substitutions as JavaScript"	<pre>publishTopic:</pre>	Е	<pre>{   "id": "74292",   "time": "2025-04-01T23:06:58.794+02:00",   "text": "New uplink event: 2025-04- 01T23:06:58.794+02:00",   "source": {       "name": "PDW23 - 102030",       "id": "9375325"     },   "type": "c8y_Uplink",   "bytes": [       1,       0,       35,       90,       185,       35,       110     ],   "_IDENTITY_": {       "c8ySourceId": "909090"     } }</pre>	<pre>"_TOPIC_LEVEL_": [     "inventory",     "managedObjects",     "+" ],     "CONTEXT_DATA_": {         "key": "key-sample",         "method": "POST",         "publishTopic": "inventory/managedObjects/#" } }</pre>	This outbound mapping listens to events of type "c8y_Uplink" and extracts data for the fragment w2a_configuration. The inventory of this device is updated. Additionally this update is a merge/ patch of the existing fragment w2a_configuration.