

Validate Customer Tenant

Validate configuration of Customer Tenant using a validation endpoint.

Tenant Subscription

Tenant subscription is a logic that allows you to request and obtain data from the Data Tenant to the Customer Tenant.

Create Subscription (Between Registered DTs and CTs)

Tenant subscription is a logic that allows you to request and get data from Data Tenants to Customer Tenants.

Create Subscription (Subscribe Customer Tenant to Data Tenant)

HTTP METHOD	POST
URL	{DTSSURL}/subscriptions
HEADERS	Content-Type: application/json Authorization: Bearer {oauth_token}
BODY	<div style="border: 1px solid #ccc; padding: 10px;"><div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 10px;">Create Tenant Subscription Body</div><pre>[{ "dataTenant": { "id": "{dataTenantId}" }, "customerTenant": { "id": "{customerTenantId}" }, "bringGoldenRecord": "{bringGoldenRecord}", "bringInternalSources": "{bringInternalSources}", "mappings": "{mappings}", "security": "{security}", "eventsConfiguration": "{eventsConfiguration}", "importRelationsConfig": "{importConnectionConfiguration}", "groupContributors": "{groupContributors}", "supportEmail": "{email}", "fullImportLogCF": "{cassandraColumnFamily}", "fullImportLogESIndex": "{elasticsearchIndex}" }]</pre></div>

Parameters

Name	Required	Description
oauth_token	Yes	Authorization token of user.

dataTenantId	Yes	Source Data Tenant id.
customerTenantId	Yes	Target Customer Tenant id.
bringGoldenRecord	Yes	This parameter means that DTSS will load the <code>ov=true</code> slice of data entity attributes. Possible values: <code>true</code> or <code>false</code> .
bringInternalSources	No	JSON Array of Crosswalk Source Types that are loaded from the Data Tenant to the Customer Tenant. Value ["*"] means that all Crosswalk Source Types are loaded from the Data Tenant to the Customer Tenant. Example: <code>bringInternalSources : ["configuration/sources/Veeva", "configuration/sources/AMA"]</code> .
hiddenDt	No	If set to <code>true</code> in the DTSS subscription configuration, the Data Tenant will not be visible in the UI (left-hand side panel of the search results UI in the Customer Tenant), and any potential matches from the hidden Data Tenant will not be shown.
mappings	No	If tenant subscription transformation mappings are not defined, all attributes of the entity satisfying <code>bringInternalSources</code> and <code>bringGoldenRecord</code> are imported to the customer tenant.
security	No	Security configuration of Tenant Subscription.
eventsConfiguration	No, but it will be created automatically	Configuration of event processing.
synchronizationConfig	No, but it will be created automatically	Configuration of entities and relations synchronization.
validation	No, but it will be created automatically	<p>The attribute "validation" is added to the subscription structure to provide an option for lower validation severity from FAILED to WARN.</p> <pre>"validation": { "strictValidation": true/false, "strictDataTenantValidation": true/false, "strictCustomerTenantValidation": true/false, "strictMappingCheck": true/false }</pre> <p>These properties are added to the DTSS properties file to assign the default values of newly added attributes:</p> <ul style="list-style-type: none"> <code>validation.check.subscription.mapping.strict.default</code> This property performs the subscription mapping strict validation check (default value is <code>false</code>). <code>validation.check.tenant.data.strict.default</code> This property performs the data tenant strict validation check (default value is <code>false</code>). <code>validation.check.tenant.customer.strict.default</code> This property performs the customer tenant strict validation check and (default value is <code>false</code>). <code>validation.check.subscription.strict.default</code> This property performs the subscription strict validation check (default value is <code>false</code>).

endpointsConfig	No, but it will be created automatically	<p>Advanced behavior for endpoints.</p> <pre>"endpointsConfig": { "useSynchronizationConfig": true false, "ruleNameInMatchResult": true false }</pre> <p>useSynchronizationConfig</p> <p>Configuration for import entities and relationships. This provides a configurable option that allows you to define what should be downloaded when you press the Import entities button in the UI. If the option is <code>true</code>, then import entities and their associated relationships occurs. If the option is <code>false</code>, then import entities only occurs.</p> <p>The DTSS properties field <code>"endpoints.entities.import.useSynchronizationConfig"</code> provides the default value <code>true false</code>. If this properties field is not provided, then the application considers the default value as <code>false</code>.</p> <p>The DTSS subscription field can be <code>subscription.endpointsConfig.useSynchronizationConfig</code> and is located in the subscription configuration:</p> <pre>ruleNameInMatchResult</pre> <p>Whether PotentialmatchesearchinDT and PotentialmatchesearchinCT should return Match Rule names instead of Match Rule URIs in the result.</p>										
importRelationsConfig	No, but it will be created automatically	<p>Configuration for import connections functionality.</p> <pre>"importRelationsConfig": { "defaultStrategy": "ALL IMPORT_IF_ENTITIES_SUBSCRIBED IMPORT_IF_START_ENTITY_SUBSCRIBED IMPORT_IF_END_ENTITY_SUBSCRIBED", "strategyPerRelationType": { "relationTypes": [{"<type>"}], "strategy": "ALL IMPORT_IF_ENTITIES_SUBSCRIBED IMPORT_IF_START_ENTITY_SUBSCRIBED IMPORT_IF_END_ENTITY_SUBSCRIBED" } }</pre> <p>defaultStrategy and strategy copying rules description:</p> <table border="1" data-bbox="618 1045 1482 1394"> <thead> <tr> <th>Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ALL</td> <td>All of the relations.</td> </tr> <tr> <td>IMPORT_IF_ENTITIES_SUBSCRIBED</td> <td>Only if CT is subscribed on DT relation's both startEntity and endEntity entities.</td> </tr> <tr> <td>IMPORT_IF_START_ENTITY_SUBSCRIBED</td> <td>Only if CT is subscribed on at least DT relation's startEntity entity.</td> </tr> <tr> <td>IMPORT_IF_END_ENTITY_SUBSCRIBED</td> <td>Only if CT is subscribed on at least DT relation's endEntity entity.</td> </tr> </tbody> </table>	Value	Description	ALL	All of the relations.	IMPORT_IF_ENTITIES_SUBSCRIBED	Only if CT is subscribed on DT relation's both startEntity and endEntity entities.	IMPORT_IF_START_ENTITY_SUBSCRIBED	Only if CT is subscribed on at least DT relation's startEntity entity.	IMPORT_IF_END_ENTITY_SUBSCRIBED	Only if CT is subscribed on at least DT relation's endEntity entity.
Value	Description											
ALL	All of the relations.											
IMPORT_IF_ENTITIES_SUBSCRIBED	Only if CT is subscribed on DT relation's both startEntity and endEntity entities.											
IMPORT_IF_START_ENTITY_SUBSCRIBED	Only if CT is subscribed on at least DT relation's startEntity entity.											
IMPORT_IF_END_ENTITY_SUBSCRIBED	Only if CT is subscribed on at least DT relation's endEntity entity.											
groupContributors	No	This configuration parameter is used to define if DTSS should group all crosswalks to one contributor in customer tenant. Possible values: <code>true</code> or <code>false</code> . Default value is <code>true</code> .										
fullImportLogCF	No	Used by the Full Import Log (default: <code>"FullImportLogCommonCF"</code>). <p>Note: By default, DTSS stores all the records across all the subscriptions in the same Cassandra CF. This does not affect Full Import Log functionality and was done in order to keep fewer CFs.</p>										
fullImportLogESIndex	No	Used by the Full Import Log (default: <code>"dtss-full-import-log-index-default"</code>). <p>Note: By default DTSS indexes all the records cross all the subscriptions into the same ES Index. This does not affect Full Import Log functionality and was done to keep fewer indices.</p>										
supportEmail	No	Email to use for mailing in case of validation errors.										

validationResult	No	If validation is requested, the field contains one of these validation results: <ul style="list-style-type: none"> • NOT_CHECKED • SUCCESS • INFO • WARN • FAILED
partialOverride ForReference	No, but it will be auto-matically created	The default value is false. If you make the value true, then all attributes are overridden. However, for references, any attributes not involved with referencedAttributeURIs are not touched.

Tenant Subscription Example

Example of Tenant Subscription

```
{
  "dataTenant": {
    "id": "DTData"
  },
  "customerTenant": {
    "id": "TestData"
  },
  "bringGoldenRecord": false,
  "bringInternalSources": [
    "configuration/sources/Veeva",
    "configuration/sources/AMA"
  ],
  "id": "DTData_TestData",
  "mappings": [
    {
      "copyFromDT": "configuration/entityTypes/HCP",
      "copyToCT": "configuration/entityTypes/HCP",
      "attributes": [
        {
          "copyFromDT":
"configuration/entityTypes/HCP/attributes/FirstName",
          "copyToCT": [
            "configuration/entityTypes/HCP/attributes/FirstName"
          ]
        },
        {
          "copyFromDT":
"configuration/entityTypes/HCP/attributes/LastName",
          "copyToCT": [
            "configuration/entityTypes/HCP/attributes/LastName"
          ]
        }
      ]
    },
    {
      "copyFromDT":
```

```
"configuration/entityTypes/HCP/attributes/MiddleName",
  "copyToCT": [
    "configuration/entityTypes/HCP/attributes/MiddleName"
  ]
},
{
  "copyFromDT":
"configuration/entityTypes/HCP/attributes/Prefix",
  "copyToCT": [
    "configuration/entityTypes/HCP/attributes/Prefix"
  ]
},
{
  "copyFromDT":
"configuration/entityTypes/HCP/attributes/SuffixName",
  "copyToCT": [
    "configuration/entityTypes/HCP/attributes/SuffixName"
  ]
},
{
  "copyFromDT":
"configuration/entityTypes/HCP/attributes/Phone",
  "copyToCT": [
    "configuration/entityTypes/HCP/attributes/Phone"
  ],
  "attributes": [
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Phone/attributes/Active",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Phone/attributes/Active"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Phone/attributes/AreaCode",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Phone/attributes/AreaCode"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Phone/attributes/CountryCode",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Phone/attributes/CountryCode"
      ]
    }
  ]
},
```

```
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Phone/attributes/DigitCount",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Phone/attributes/DigitCount"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Phone/attributes/FormatMask",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Phone/attributes/FormatMask"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Phone/attributes/GeoArea",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Phone/attributes/GeoArea"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Phone/attributes/GeoCountry",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Phone/attributes/GeoCountry"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Phone/attributes/LineType",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Phone/attributes/LineType"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Phone/attributes/LocalNumber",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Phone/attributes/LocalNumber"
      ]
    },
    {
      "copyFromDT":
```

```

"configuration/entityTypes/HCP/attributes/Phone/attributes/Number",
    "copyToCT": [
"configuration/entityTypes/HCP/attributes/Phone/attributes/Number"
    ]
    },
    {
        "copyFromDT":
"configuration/entityTypes/HCP/attributes/Phone/attributes/Type",
        "copyToCT": [
"configuration/entityTypes/HCP/attributes/Phone/attributes/Type"
            ],
            "transformValue": [
                {
                    "from": "Business",
                    "to": "Work"
                }
            ]
        },
        {
            "copyFromDT":
"configuration/entityTypes/HCP/attributes/Phone/attributes/ValidationSta
tus",
            "copyToCT": [
"configuration/entityTypes/HCP/attributes/Phone/attributes/ValidationSta
tus"
                ]
            }
        ]
    },
    {
        "copyFromDT":
"configuration/entityTypes/HCP/attributes/ProfDesignation",
        "copyToCT": [
            "configuration/entityTypes/HCP/attributes/AccountType"
        ]
    },
    {
        "copyFromDT":
"configuration/entityTypes/HCP/attributes/Specialities",
        "copyToCT": [
            "configuration/entityTypes/HCP/attributes/Specialities"
        ],
        "attributes": [
            {
                "copyFromDT":
"configuration/entityTypes/HCP/attributes/Specialities/attributes/Rank",
                "copyToCT": [

```



```

    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/License/attributes/State",
      "copyToCT": [

"configuration/entityTypes/HCP/attributes/License/attributes/State"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/License/attributes/Status",
      "copyToCT": [

"configuration/entityTypes/HCP/attributes/License/attributes/Status"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/License/attributes/WorkType",
      "copyToCT": [

"configuration/entityTypes/HCP/attributes/License/attributes/WorkType"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/License/attributes/Qualifier",
      "copyToCT": [

"configuration/entityTypes/HCP/attributes/License/attributes/Qualifier"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/License/attributes/SubQualifie
r",
      "copyToCT": [

"configuration/entityTypes/HCP/attributes/License/attributes/SubQualifie
r"
      ]
    }
  ],
  {
    "copyFromDT":
"configuration/entityTypes/HCP/attributes/Identifiers",
    "copyToCT": [

"configuration/entityTypes/HCP/attributes/Identifiers"
    ]
  }
}

```

```
],
  "attributes": [
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Identifiers/attributes/ID",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Identifiers/attributes/ID"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Identifiers/attributes/Type",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Identifiers/attributes/Type"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Identifiers/attributes/Rank",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Identifiers/attributes/Rank"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Identifiers/attributes/Status",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Identifiers/attributes/Status"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Credentials",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Credentials"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/HCP/attributes/Address",
      "copyToCT": [
"configuration/entityTypes/HCP/attributes/Address"
      ]
    }
  ]
}
```

```

    }
  ],
},
{
  "copyFromDT": "configuration/entityTypes/Location",
  "copyToCT": "configuration/entityTypes/Location",
  "attributes": [
    {
      "copyFromDT":
"configuration/entityTypes/Location/attributes/AddressLine1",
      "copyToCT": [
        "configuration/entityTypes/Location/attributes/AddressLine1"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/Location/attributes/AddressLine2",
      "copyToCT": [
        "configuration/entityTypes/Location/attributes/AddressLine2"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/Location/attributes/City",
      "copyToCT": [
        "configuration/entityTypes/Location/attributes/City"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/Location/attributes/StateProvince",
      "copyToCT": [
"configuration/entityTypes/Location/attributes/StateProvince"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/Location/attributes/SubAdministrativeArea",
      "copyToCT": [
"configuration/entityTypes/Location/attributes/SubAdministrativeArea"
      ]
    },
    {
      "copyFromDT":
"configuration/entityTypes/Location/attributes/Country",
      "copyToCT": [
        "configuration/entityTypes/Location/attributes/Country"
      ]
    }
  ]
}

```

```

    },
    {
      "copyFromDT":
"configuration/entityTypes/Location/attributes/Zip",
      "copyToCT": [
        "configuration/entityTypes/Location/attributes/Zip"
      ],
      "attributes": [
        {
          "copyFromDT":
"configuration/entityTypes/Location/attributes/Zip/attributes/Zip5",
          "copyToCT": [

"configuration/entityTypes/Location/attributes/Zip/attributes/Zip5"
          ]
        },
        {
          "copyFromDT":
"configuration/entityTypes/Location/attributes/Zip/attributes/Zip4",
          "copyToCT": [

"configuration/entityTypes/Location/attributes/Zip/attributes/Zip4"
          ]
        }
      ]
    }
  ],
  {
    "copyFromDT": "configuration/relationTypes/HasAddress",
    "copyToCT": "configuration/relationTypes/HasAddress",
    "filter": [
      {
        "attribute":
"configuration/relationTypes/HasAddress/attributes/AddressRank",
        "values": [
          "1",
          "2"
        ]
      }
    ],
    "attributes": [
      {
        "copyFromDT":
"configuration/relationTypes/HasAddress/attributes/AddressRank",
        "copyToCT": [

"configuration/relationTypes/HasAddress/attributes/AddressRank"
        ],
        "transformValue": [

```

```

        {
            "from": "1",
            "to": "0"
        },
        {
            "from": "2",
            "to": "0"
        }
    ]
},
{
    "copyFromDT":
"configuration/relationTypes/HasAddress/attributes/AddressType",
    "copyToCT": [
"configuration/relationTypes/HasAddress/attributes/AddressType"
    ]
},
{
    "copyFromDT":
"configuration/relationTypes/HasAddress/attributes/Phone",
    "copyToCT": [
        "configuration/relationTypes/HasAddress/attributes/Phone"
    ],
    "attributes": [
        {
            "copyFromDT":
"configuration/relationTypes/HasAddress/attributes/Phone/attributes/Active",
            "copyToCT": [
"configuration/relationTypes/HasAddress/attributes/Phone/attributes/Active"
            ]
        },
        {
            "copyFromDT":
"configuration/relationTypes/HasAddress/attributes/Phone/attributes/Type",
            "copyToCT": [
"configuration/relationTypes/HasAddress/attributes/Phone/attributes/Type"
            ]
        }
    ],
    "transformValue": [
        {
            "from": "Business",
            "to": "Work"
        }
    ]
}
]

```

```

    },
    {
      "copyFromDT":
"configuration/relationTypes/HasAddress/attributes/Phone/attributes/Rank
",
      "copyToCT": [

"configuration/relationTypes/HasAddress/attributes/Phone/attributes/Rank
"

      ]
    },
    {
      "copyFromDT":
"configuration/relationTypes/HasAddress/attributes/Phone/attributes/Numb
er",
      "copyToCT": [

"configuration/relationTypes/HasAddress/attributes/Phone/attributes/Numb
er"

      ]
    }
  ],
  {
    "copyFromDT":
"configuration/relationTypes/HasAddress/attributes/DEA",
    "copyToCT": [
      "configuration/relationTypes/HasAddress/attributes/DEA"
    ],
    "attributes": [
      {
        "copyFromDT":
"configuration/relationTypes/HasAddress/attributes/DEA/attributes/Number
",
        "copyToCT": [

"configuration/relationTypes/HasAddress/attributes/DEA/attributes/Number
"

        ]
      },
      {
        "copyFromDT":
"configuration/relationTypes/HasAddress/attributes/DEA/attributes/Expira
tionDate",
        "copyToCT": [

"configuration/relationTypes/HasAddress/attributes/DEA/attributes/Expira
tionDate"

        ]
      }
    ]
  },

```

```

        {
            "copyFromDT":
"configuration/relationTypes/HasAddress/attributes/DEA/attributes/Status
",
            "copyToCT": [
"configuration/relationTypes/HasAddress/attributes/DEA/attributes/Status
"
                ]
        }
    ]
}
]
}
],
"synchronizationConfig": {
    "dtSyncType": "REALTIME",
    "ctSyncType": "REALTIME",
    "entities": [
        {
            "action": "AUTOSUBSCRIBE",
            "types": [
                "configuration/entityTypes/HCP"
            ],
            "matchRules": [
                "configuration/entityTypes/HCP/matchGroups/PersonByMEAuto",
                "configuration/entityTypes/HCP/matchGroups/PersonByMESuspect2"
            ],
            "filter": "<filter>"
        }
    ],
    "relationTypes": [
        {
            "types": [
                "configuration/relationTypes/AffiliatedWith"
            ],
            "action": "COPY"
        }
    ]
},
"importRelationsConfig": {
    "defaultStrategy": "ALL",
    "strategyPerRelationType": []
},

```

```
"groupContributors": true,
"supportEmail": "example@mail.com"
}
```

Tenant Subscription Events Configuration

This function defines some behavior of events processing.

Events Configuration Definition Json Object

```
{
  "crosswalkDeleted": {
    "defaultActionInCT": "IGNORE|SET_END_DATE|DELETE",
    "source": {
      "{sourceURI}": "INGORE|SET_END_DATE|DELETE",
      ...
    }
  },
  "entityDeleted": {
    "actionInCT": "IGNORE|ACTIVATE"
  },
  "entityModified": {
    "actionInCT": "IGNORE|ACTIVATE"
  },
  "entityUnmerged": {
    "actionInCT": "IGNORE|ACTIVATE"
  },
  "entityMerged": {
    "actionInCT": "IGNORE|ACTIVATE"
  },
  "entityCreated": {
    "actionInCT": "IGNORE|ACTIVATE",
    "entityTypes": ["entityTypeUri1", "entityTypeUri2"]
  },
  "entityMatch": {
    "action" : "IGNORE|ACTIVATE"
  },
  "relationCreated": {
    "actionInCT": "IGNORE|ACTIVATE"
  },
  "relationModified": {
    "actionInCT": "IGNORE|ACTIVATE"
  },
  "relationDeleted": {
    "actionInCT": "IGNORE|ACTIVATE"
  }
}
```

Parameters

Name	Required	Default Value	Description
crosswalkDeleted	No	{ "defaultActionInCT" : "IGNORE" }	<p>This event can happen when the entity or relation is deleted or updated in DT. It includes two optional sections:</p> <ul style="list-style-type: none"> "entityCrosswalkDeleted" (or "crosswalkDeleted" deprecated value) for entities "relationCrosswalkDeleted" for relations <p>"defaultActionInCT" - Default reaction to this event. It can be:</p> <ul style="list-style-type: none"> IGNORE - do nothing. SET_END_DATE - end-date crosswalk. DELETE - delete crosswalk. <p>You can configure reaction to this event per source. For this, you can use the "source" parameter.</p> <p>Example:</p> <div style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <p style="text-align: center;">Example of EntityCrosswalkDeleted Event</p> <pre> { "entityCrosswalkDeleted": { "defaultActionInCT": "DELETE", "source": { "configuration/sources/FB": "SET_END_DATE", "configuration/sources/TWEETER": "DELETE", "configuration/sources/LNKD": "IGNORE" } } } </pre> </div>
entityDeleted	No	{ "actionInCT" : "IGNORE" }	<p>This event can occur if an entity is deleted from:</p> <p>"actionInCT" - Default reaction to this event. It can be:</p> <ul style="list-style-type: none"> IGNORE - do nothing. ACTIVATE - process this event. All crosswalks which have been imported to customer tenant are processed in accordance with the entityCrosswalkDeleted configuration.
entityModified	No	{ "actionInCT" : "ACTIVATE" }	<p>This event can occur if an entity is updated.</p> <p>"actionInCT" - Default reaction to this event. It can be:</p> <ul style="list-style-type: none"> IGNORE - do nothing. ACTIVATE - process this event. If the customer tenant entities have been subscribed on the updated entity they are updated; otherwise, entities are imported or autosubscribed, if this is possible. Allowed entity types and match rules are to be taken from SynchronizationConfig if one is present.

entityUnmerged	No	{"actionInCT" : "IGNORE"}	<p>This event can happen if an entity is unmerged in data tenant.</p> <p>"actionInCT" - Default reaction to this event. It can be:</p> <ul style="list-style-type: none"> • IGNORE - do nothing. • ACTIVATE - process this event. All crosswalks which exist in the customer tenant are marked as "UNMERGED" (You can see it in the externalInfo field of the crosswalk). This event is processed in accordance with the entityCrosswalkDeleted configuration.
entityMerged	No	{"actionInCT" : "IGNORE"}	<p>This event can occur if some entities merge. However, this event is a part of the entityModified event.</p> <p>"actionInCT" - Default reaction to this event. It can be:</p> <ul style="list-style-type: none"> • IGNORE - do nothing. However, all subscribed entities are updated in accordance with the entityModified event configuration. • ACTIVATE - process this event. Entities in the customer tenant which have been subscribed on merged entities in the data tenant are merged in the customer tenant if they haven't been marked as not a match. This event can be "ACTIVATE" only if the entityModified event has been configured.
entityCreated	No	{"actionInCT" : "IGNORE", }	<p>This event can occur if a new entity has been created.</p> <p>"actionInCT" - Default reaction to this event. It can be:</p> <ul style="list-style-type: none"> • IGNORE - do nothing. • ACTIVATE - process this event. If the customer tenant entities have been subscribed on the updated entity they are updated; otherwise, entities are imported or autosubscribed if that is possible. Allowed entity types and match rules are to be taken from SynchronizationConfig if this is present. If SynchronizationConfig is not present, then the default entity types from the entityCreated configuration are taken. <p>[DEPRECATED]: Use Tenant Subscription Synchronization Configuration (DT entity types to process).</p> <p>Example of the EntityCreated configuration:</p> <div data-bbox="716 1079 1446 1436" style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <p style="text-align: center;">Example of EntityCreated Config</p> <pre style="font-family: monospace; font-size: 1.2em;">{ "entityCreated": { "actionInCT": "ACTIVATE" } }</pre> </div>
entityMatch	No	{"action" : "ACTIVATE"}	<p>This is the configuration parameter for all events above. Since 2017.3, entityMatch is always "ACTIVATE".</p> <ul style="list-style-type: none"> • ACTIVATE - process all events, update match tables, and recalculate the number of potential matches for entities.

relationCreated	No	<code>{"actionInCT" : "ACTIVATE" }</code>	<p>This event can occur if a new relation has been created.</p> <p>"actionInCT" - Default reaction to this event. It can be:</p> <ul style="list-style-type: none"> • IGNORE - do nothing. • ACTIVATE - process this event. <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;">Example of RelationCreated Config</p> <pre style="margin: 0;">{ "relationCreated": { "actionInCT": "ACTIVATE" } }</pre> </div>
relationModified	No	<code>{"actionInCT" : "ACTIVATE" }</code>	<p>This event can occur if a relation has been updated in the DT.</p> <p>"actionInCT" - Default reaction to this event. It can be:</p> <ul style="list-style-type: none"> • IGNORE - do nothing. • ACTIVATE - process this event. DTSS updates the corresponding relation in the CT.
relationDeleted	No	<code>{"actionInCT" : "ACTIVATE" }</code>	<p>This event can occur if a relation has been removed from DT.</p> <p>"actionInCT" - Default reaction to this event. It can be:</p> <ul style="list-style-type: none"> • IGNORE - do nothing. • ACTIVATE - process this event. DTSS removes the corresponding relation from the CT it has imported.

If `dtssQueue` is configured in the streaming configuration for this tenant, then all events are processed in real time (based on the configuration provided above). Configure streaming and `dtssQueue` for the tenant. An option is available to delay events processing events and process all events using a special request. To process delayed events, create a pull event task.

Note: Delayed events are processed based on the event configuration for the subscription. Use the [Synchronization Configuration](#) procedure for advanced events processing.

Tenant Subscription Synchronization Configuration

This function defines some behavior of synchronization processing.

Synchronization Config Definition Json Object

```
{
  "dtSyncType": "PULL",
  "ctSyncType": "REALTIME",
  "entities": [
    {
      "types": [
        "configuration/entityTypes/HCP"
      ],
      "action": "AUTOSUBSCRIBE",
      "matchRules": [
        "<matchRule1>",

```

```

    "<matchRule2>"
  ],
  "filter": "<filter1>",
  "connections": [
    {
      "onCreateOnly": false,
      "types": [
        "configuration/relationTypes/Contractor"
      ],
      "strategy":
"ALL|IMPORT_IF_ENTITIES_SUBSCRIBED|IMPORT_IF_START_ENTITY_SUBSCRIBED|IMP
ORT_IF_END_ENTITY_SUBSCRIBED"
    }
  ],
  "thresholds": {
    "default": 2,
    "extendSubscription": "false",
    "custom": [
      {
        "matchRules": [

"configuration/entityTypes/HCP/matchGroups/PersonByMESuspect2"
        ],
        "threshold": 2,
        "extendSubscription": "false"
      }
    ]
  }
},
{
  "types": [
    "configuration/entityTypes/HCP"
  ],
  "action": "MANUAL_MATCH",
  "matchRules": [
    "<matchRule3>"
  ],
  "filter": "<filter>"
},
{
  "types": [
    "configuration/entityTypes/HCO"
  ],
  "action": "COPY"
}
],
"relations": [
  {
    "types": [
      "configuration/relationTypes/AffiliatedWith"
    ]
  }
]

```

```
],  
"action": "COPY"
```

```

    }
  ]
}

```

Parameters

Name	Re-quired	Description
dtSync Type	No	<p>Describes the way synchronization should be performed in the Data Tenant.</p> <p>It can be:</p> <ul style="list-style-type: none"> PULL - enable only Pull Task synchronization. REALTIME - enable only real-time synchronization. <p>If not set, then both Real-Time and Pull Task are enabled.</p>
ctSync Type	No	<p>Describes the way synchronization should be performed in Customer Tenant.</p> <p>It can be:</p> <ul style="list-style-type: none"> PULL - enable only Pull Task synchronization. REALTIME - enable only real-time synchronization. <p>If not set, then both Real-Time and Pull Task are enabled.</p>
entities	No	<p>Describes the way certain entity types should be processed. If the field is present, then only described entity types are processed.</p> <p>Contains the fields:</p> <ul style="list-style-type: none"> "types" - a list of types to which to apply the configuration. The way the parameter is used depends on the action being performed. "action" - describes the mode by which an entity from DT should be imported. It can be: <ul style="list-style-type: none"> AUTOSUBSCRIBE - import only if the DT entity has got a match with a CT entity (the DT entity's type must be present in the "types" list). The "matchRules" field can be used to describe the match rules set. MANUAL_MATCH - this section defines match rules for each type, which is used during search of potential matches for an entity. If no match rules are specified for some type, then all match rules defined in data tenant configuration for a type are used. Otherwise, the union of match rules specified here along with match rules from the AUTOSUBSCRIBE section (per type) are applied. COPY - just import the entity from the DT (the DT entity's type must be present in the "types" list). "matchRules" - a list of match rules that is used to find matches. This field is used only if the AUTOSUBSCRIBE mode is set. <p>Since 2017.3, if match rules attributes are missing in mappings section (not present neither in autogenerated nor in manually specified), then the "Check subscription mapping" section would be equal to WARN with enumeration of such missing attributes upon verifying subscription via the {DTSSURL}/subscriptions/verifySubscription endpoint. This type of subscription is considered invalid if the strictMappingCheck subscription parameter is set to true.</p>

- "filter" - Reltio Search format filter. It can be used to select a subset of data to process.
- "connections" - describes the connections to be imported to the CT along with current entity (acceptable for AUTOSUBSCRIBE and COPY actions)
 - "types" - a list of relation types to copy to the CT.
 - "onCreateOnly" - if true, than connections are copied to CT on the ENTITY_CREATED event only.
 - "strategy" - strategy to decide which connection will be imported to CT.
 - ALL - import without condition (this is the default strategy. It is added automatically if omit).
 - IMPORT_IF_ENTITIES_SUBSCRIBED - only if CT is subscribed on DT relation's both startEntity and endEntity entities.
 - IMPORT_IF_START_ENTITY_SUBSCRIBED - only if CT is subscribed on at least DT relation's startEntity entity.
 - IMPORT_IF_END_ENTITY_SUBSCRIBED - only if CT is subscribed on at least DT relation's endEntity entity.
- "thresholds" - thresholds description. This field is used only if the AUTOSUBSCRIBE mode is set. A bucket below is a set of entities aggregated by a set of corresponding match rules.
 - "default" - a threshold for a default bucket (more about the threshold below).
 - "threshold" - a limited number of DT entities that a bucket can contribute at a single autosubscribe session (default: 1).
 - "extendSubscription" - states if a bucket can extend existing DT-CT entity subscription (default: false).
 - "matchRules" - a list of match rules for which the threshold configuration should be used.

```

"entities": [
  {
    "types": [
      "configuration/entityTypes/HCP"
    ],
    "action": "AUTOSUBSCRIBE",
    "matchRules": [
      "someMatchRule"
    ],
    "connections": [
      {
        "types": [
          "configuration/relationTypes/HasHealthCareRole"
        ],
        "onCreateOnly": false,
        "strategy": "ALL"
      }
    ]
  },
  {
    "types": [
      "configuration/entityTypes/HCO"
    ],
    "action": "AUTOSUBSCRIBE",
    "matchRules": [
      "configuration/entityTypes/HCO/matchGroups/HCObyIMSID"
    ],
    "connections": [
      {
        "types": [
          "configuration/relationTypes/Managed",
          "configuration/relationTypes/Leased"
        ],
        "onCreateOnly": false,
        "strategy": "IMPORT_IF_ENTITIES_SUBSCRIBED"
      }
    ]
  }
]

```

```

"entities": [ { "types": [ "configuration/entityTypes/HCP" ], "action": "MANUAL_MATCH", "matchRules": [
"someOtherMatchRule" ], "filter": "<filter>" } ] "entities": [ { "types": [ "configuration/entityTypes/HCO" ],
"action": "COPY" } ]

```

relations	No	<p>Describes the way certain relation types should be processed. If the field is present, then only described relation types are processed.</p> <p>Contains the fields:</p> <ul style="list-style-type: none"> "types" - a list of types to which to apply the configuration. The way the parameter is used depends on the action being performed. "action" - describes the mode by which an entity from DT should be imported. It can be: <ul style="list-style-type: none"> COPY - just import the relation from DT (the DT relation's type must be present in the "types" list). <p>"relations": [{ "types": ["configuration/relationTypes/AffiliatedWith"], "action": "COPY" }]</p>

Tenant Subscription Transform Configuration

Transform configuration is used to setup advanced behavior of data transformation capabilities.

Note: This is optional structure and is not enabled by default.

Configuration Parameter	Default Value	Description
goldenRecordConfiguration	N/A	Advanced transformation behavior subscription with GRC (<code>bringGoldenRecord=true</code> only).

GOLDEN RECORD CONFIGURATION

Configuration Parameter	Default Value	Description
endddatingEnabled	false	<p>Enable endddating of golden record crosswalks in the case when you want <code>bringGoldenRecord=true</code> only.</p> <p>The value can be:</p> <ul style="list-style-type: none"> true: feature is on false: feature is off (default) <p>If endddating for GRC is on:</p> <ul style="list-style-type: none"> DT 1 endddated crosswalk and existing in CT -> CT crosswalk endddated; attributes are not removed DT 1 endddated crosswalk and no GRC in match in CT -> no subscribe; no update (nothing to enddate) DT 1 endddated crosswalk and no match in CT -> no import; no update (nothing to enddate) DT 2 crosswalks -> legacy behavior <p>If endddating for GRC is off:</p> <ul style="list-style-type: none"> DT 1 endddated crosswalk and existing in CT -> CT crosswalk NOT endddated; attributes are removed DT 1 endddated crosswalk and no match in CT -> import GRC only (without attributes) <p>Note: The CT crosswalk enddate depends on the DT crosswalk enddate, as shown in the table below for the scenario and its expected results for crosswalk delete date synchronization.</p>