

connect ECONNREFUSED 127.0.0.1: 8081 while orchestrating a response request to openEHR via the openHIM mapping mediator by Jembi

I have the following contents in 'endpoint.json':

```
{
  "name": "FHIR-to-EHR-1",
  "description": "Map a FHIR Patient resource to an EHR in openEHR",
  "endpoint": {
    "pattern": "/fhir-ehr-1"
  },
  "transformation": {
    "input": "JSON",
    "output": "JSON"
  },
  "inputMapping": {
    "constants._type": "_type",
    "constants.archetype_node_id": "archetype_node_id",
    "constants.name.value": "name.value",
    "constants.subject.external_ref.id._type": "subject.external_ref.id._type",
    "constants.subject.external_ref.id.scheme": "subject.external_ref.id.scheme",
    "requestBody.identifier[0].value": "subject.external_ref.id.value",
    "constants.subject.external_ref.namespace": "subject.external_ref.namespace",
    "constants.subject.external_ref.type": "subject.external_ref.type",
    "constants.is_modifiable": "is_modifiable",
    "constants.is_queryable": "is_queryable"
  },
  "constants": {
    "_type": "EHR_STATUS",
    "archetype_node_id": "openEHR-EHR-EHR_STATUS.generic.v1",
    "name": {
      "value": "ehr status"
    }
  },
  "subject": {
    "external_ref": {
      "id": {
        "_type": "GENERIC_ID",
        "scheme": "id_scheme",
        "value": "{{subjectId}}"
      }
    },
    "namespace": "openIMIS_ID",
    "type": "PERSON"
  },
  "is_modifiable": "true",
  "is_queryable": "true"
},
"requests": {
  "response": [
    {
      "id": "request1",
      "config": {
        "method": "post",
        "url": "http://localhost:8081/ehrbase/rest/openehr/v1/ehr/",
        "headers": {
          "Content-Type": "application/json",
          "Accept": "application/json",
          "Prefer": "return=representation",
          "Access-Control-Allow-Origin": "*"
        },
        "Authorization": "Basic ZWMyYmFzZS1hZG1pbjpwFdmVuTW9yZVNlY3JldFBhc3N3b3Jk"
      }
    }
  ]
}
```

and an input json with the following content:

```

"resourceType": "Patient",
"id": "1111101172",
"extension": [
{
"url": "https://openimis.github.io/openimis_fhir_r4_ig/StructureDefinition/patient-is-head",
"valueBoolean": false
},
{
"url": "https://openimis.github.io/openimis_fhir_r4_ig/StructureDefinition/patient-card-issued",
"valueBoolean": false
},
{
"url": "https://openimis.github.io/openimis_fhir_r4_ig/StructureDefinition/patient-group-reference",
"valueReference": {
"reference": "Group/111111110",
"type": "Group",
"identifier": {
"type": {
"coding": [
{
"system": "https://openimis.github.io/openimis_fhir_r4_ig/CodeSystem/openimis-identifiers",
"code": "Code"
}
]
},
"value": "111111119"
}
},
{
"identifier": [
{
"type": {
"coding": [
{
"system": "https://openimis.github.io/openimis_fhir_r4_ig/CodeSystem/openimis-identifiers",
"code": "UUID"
},
{
"system": "https://openimis.github.io/openimis_fhir_r4_ig/CodeSystem/openimis-identifiers",
"code": "Code"
},
{
"system": "https://openimis.github.io/openimis_fhir_r4_ig/CodeSystem/openimis-identifiers",
"code": "Code"
}
]
},
"value": "111111117"
},
{
"name": [
{
"use": "usual",
"family": "Manth",
"given": [
"Aby"
]
}
],
"gender": "female",
"birthDate": "2001-05-17",
"address": [
{
"extension": [
{
"url": "https://openimis.github.io/openimis_fhir_r4_ig/StructureDefinition/address-municipality",
"valueString": "Achi"
},
{
"url": "https://openimis.github.io/openimis_fhir_r4_ig/StructureDefinition/address-location-reference",
"valueReference": {
"reference": "Location/R1D1M1V1"
}
}
]
}
]
}
]
}

```

```

"type": "Location",
"identifier": {
  "type": {
    "coding": [
      {
        "system": "https://openimis.github.io/openimis_fhir_r4_ig/CodeSystem/openimis-identifiers",
        "code": "Code"
      }
    ]
  },
  "value": "R1D1M1V1"
},
"photo": [
  {
    "contentType": "jpg",
    "url": "http://demo.openimis.org/photo/Images/Updated/111111117_E00001_20180327_0_0_0.0.jpg",
    "title": "111111117_E00001_20180327_0_0_0.0.jpg",
    "creation": "2018-03-27"
  }
]
}

```

having created a channel in openHIM, I kept getting an error 'connect ECONNREFUSED 127.0.0.1: 8081'.

The error message from the orchestration is as follows:

```

{
  "x-mediator-urn": "urn:mediator:generic_mapper",
  "status": "Failed",
  "response": {
    "headers": {
      "content-type": "application/json+openhim",
      "content-length": "35"
    },
    "status": 500,
    "body": "connect ECONNREFUSED 127.0.0.1:8081",
    "timestamp": 1683821885375,
    "orchestrations": [
      {
        "request": {
          "host": "localhost",
          "port": "8081",
          "path": "",
          "method": "POST",
          "timestamp": "2023-05-11T16:18:05.023Z",
          "body": {
            "constants": {
              "type": "EHR_STATUS",
              "archetype_node_id": "openEHR-EHR-EHR_STATUS.generic.v1",
              "name": {
                "value": "ehr status",
                "subject": {
                  "external_ref": {
                    "id": {
                      "type": "GENERIC_ID",
                      "scheme": "id_scheme",
                      "value": "F9DABEDA-56EC-448E-893C-91A486D3CD53"
                    },
                    "namespace": "openIMIS_ID",
                    "type": "PERSON",
                    "is_modifiable": true,
                    "is_queryable": true
                  },
                  "url_params": {},
                  "timestamps": {
                    "endpoint_start": "2023-05-11T16:18:04.216Z",
                    "endpoint_end": null,
                    "lookup_requests": {},
                    "request_headers": {
                      "content-type": "application/json",
                      "user-agent": "PostmanRuntime/7.32.2",
                      "accept": "*/*",
                      "postman-token": "e0f6a05b-52a6-49e2-bc65-00cf4ae8c939",
                      "accept-encoding": "gzip, deflate, br",
                      "connection": "keep-alive",
                      "content-length": "3645",
                      "x-forwarded-for": "172.21.0.1",
                      "x-forwarded-host": "localhost:5001",
                      "x-openhim-transactionid": "645d153af188a60013b3ebd6",
                      "host": "mapper:3003",
                      "query": {},
                      "request_body": {
                        "resource_type": "Patient",
                        "id": "11111101172",
                        "extension": [
                          {
                            "url": "https://openimis.github.io/openimis_fhir_r4_ig/StructureDefinition/patient-is-head",
                            "value_boolean": false
                          },
                          {
                            "url": "https://openimis.github.io/openimis_fhir_r4_ig/StructureDefinition/patient-card-issued",
                            "value_boolean": false
                          },
                          {
                            "url": "https://openimis.github.io/openimis_fhir_r4_ig/StructureDefinition/patient-group-reference",
                            "value_reference": {
                              "reference": "Group/111111110",
                              "type": "Group",
                              "identifier": {
                                "type": {
                                  "coding": [
                                    {
                                      "system": "https://openimis.github.io/openimis_fhir_r4_ig/CodeSystem/openimis-identifiers",
                                      "code": "Code"
                                    }
                                  ],
                                  "value": "111111119"
                                }
                              },
                              "type": {
                                "coding": [
                                    {
                                      "system": "https://openimis.github.io/openimis_fhir_r4_ig/CodeSystem/openimis-identifiers",
                                      "code": "Code"
                                    }
                                  ],
                                  "value": "111111117"
                                }
                              },
                              "name": {
                                "use": "usual",
                                "family": "Manthi",
                                "given": ["Aby"],
                                "gender": "female",
                                "birth_date": "2001-05-17",
                                "address": [
                                  {
                                    "extension": [
                                      {
                                        "url": "https://openimis.github.io/openimis_fhir_r4_ig/StructureDefinition/address-municipality",
                                        "value_string": "Achhi"
                                      }
                                    ],
                                    "url": "https://openimis.github.io/openimis_fhir_r4_ig/StructureDefinition/address-location-reference",
                                    "value_reference": {
                                      "reference": "Location/R1D1M1V1",
                                      "type": "Location",
                                      "identifier": {
                                        "type": {
                                          "coding": [
                                            {
                                              "system": "https://openimis.github.io/openimis_fhir_r4_ig/CodeSystem/openimis-identifiers",
                                              "code": "Code"
                                            }
                                          ],
                                          "value": "R1D1M1V1"
                                        }
                                      },
                                      "use": "home",
                                      "type": "physical",
                                      "text": "Jetset zone 85",
                                      "city": "Rachla",
                                      "district": "Rapta",
                                      "state": "Ultha"
                                    }
                                  ]
                                }
                              },
                              "photo": [
                                {
                                  "content_type": "jpg",
                                  "url": "http://demo.openimis.org/photo/Images/Updated/111111117_E00001_20180327_0_0_0.0.jpg",
                                  "title": "111111117_E00001_20180327_0_0_0.0.jpg",
                                  "creation": "2018-03-27"
                                }
                              ]
                            },
                            "response_body": {
                              "type": "EHR_STATUS",
                              "archetype_node_id": "openEHR-EHR-EHR_STATUS.generic.v1",
                              "name": {
                                "value": "ehr status",
                                "subject": {
                                  "external_ref": {
                                    "id": {
                                      "type": "GENERIC_ID",
                                      "scheme": "id_scheme",
                                      "value": "F9DABEDA-56EC-448E-893C-91A486D3CD53"
                                    },
                                    "namespace": "openIMIS_ID",
                                    "type": "PERSON",
                                    "is_modifiable": true,
                                    "is_queryable": true
                                  },
                                  "timestamp": "2023-05-11T16:18:05.032Z",
                                  "body": {
                                    "type": "EHR_STATUS",
                                    "archetype_node_id": "openEHR-EHR_STATUS.generic.v1",
                                    "name": {
                                      "value": "ehr status",
                                      "subject": {
                                        "external_ref": {
                                          "id": {
                                            "type": "GENERIC_ID",
                                            "scheme": "id_scheme",
                                            "value": "F9DABEDA-56EC-448E-893C-91A486D3CD53"
                                          },
                                          "namespace": "openIMIS_ID",
                                          "type": "PERSON",
                                          "is_modifiable": true,
                                          "is_queryable": true
                                        },
                                        "request": {
                                          "host": "localhost",
                                          "port": "8081",
                                          "path": "/ehrbase/rest/openehr/v1/ehr/",
                                          "method": "post",
                                          "timestamp": "2023-05-11T16:18:05.181Z",
                                          "query_string": "&",
                                          "headers": {
                                            "x-openhim-transactionid": "645d153af188a60013b3ebd6",
                                            "Content-Type": "application/json",
                                            "Accept": "application/json",
                                            "Prefer": "return=representation",
                                            "Access-Control-Allow-Origin": "*"
                                          },
                                          "body": {
                                            "type": "EHR_STATUS",
                                            "archetype_node_id": "openEHR-EHR-EHR_STATUS.generic.v1",
                                            "name": {
                                              "value": "ehr status",
                                              "subject": {
                                                "external_ref": {
                                                  "id": {
                                                    "type": "GENERIC_ID",
                                                    "scheme": "id_scheme",
                                                    "value": "F9DABEDA-56EC-448E-893C-91A486D3CD53"
                                                  },
                                                  "namespace": "openIMIS_ID",
                                                  "type": "PERSON"
                                                },
                                                "is_modifiable": true,
                                                "is_queryable": true
                                              }
                                            },
                                            "response": {
                                              "timestamp": "2023-05-11T16:18:05.328Z",
                                              "name": "Endpoint Response Request: FHIR-to-EHR-1: request1",
                                              "error": {
                                                "message": "connect ECONNREFUSED 127.0.0.1:8081"
                                              }
                                            }
                                          }
                                        }
                                      }
                                    }
                                  ]
                                }
                              ]
                            }
                          }
                        ]
                      }
                    }
                  }
                }
              }
            }
          }
        }
      ]
    }
  }
}

```

I have openEHR running on port 8081. can someone help look into the request part of my endpoint and tell me what could be missing or wrong to warrant the orchestration error.

