

RED interchange API - Messaging

In addition to deliver printed Patientenausdrucke to a pharmacy patients also may use the official gematik application to select a pharmacy in order to assign their prescriptions to this pharmacy for dispensation. Once a prescription has been assigned to a pharmacy a message is sent to the pharmacy. The RED telematik API communications service allows pharmacies to poll for new messages and to fetch messages from central Fachdienst servers.

A request for all unread messages is sent using a GET request. The requesting pharmacy is identified by its SMC-B card that must be accessible in a card terminal.

```
{{baseUrl}}/{{tenant}}/Communication?action=$received
```

In response the Fachdienst will return an XML data set with patient data and access codes (basedOn.reference).

Example for an answer from Fachdienst with no new messages

```
{
  "Bundle": {
    "id": "613d3f9f-786a-4750-9404-9e616be18353",
    "type": "searchset",
    "timestamp": "2022-08-12T11:44:10.146+00:00",
    "resourceType": "Bundle",
    "total": 2,
    "entry": [
      {
        "fullUrl": "https://erp-ref.zentral.erp.splitdns.ti-dienste.de/Communication/01eb8fe7-9e33-4a98-3331-55d4184fc224",
        "resource": {
          "status": "unknown",
          "payload": [
            {
              "contentString": "{\\\"address\\\":[\\\"Dudenstra\u00dfe 11\\\",\\\"36251\\\",\\\"Bad Hersfeld\\\"],\\\"phone\\\":\\\"017670834812\\\",\\\"supplyOptionsType\\\":\\\"onPremise\\\",\\\"hint\\\":\\\"\\\",\\\"name\\\":\\\"Alice Hanna Sch\u00fchmann\\\",\\\"version\\\":\\\"1\\\"}"
            }
          ]
        },
        "recipient": [
          {
            "identifier": {
              "system": "https://gematik.de/fhir/NamingSystem/TelematikID",
              "value": "3-SMC-B-Testkarte-883110000116808"
            }
          }
        ],
        "meta": {
          "profile": [
            "https://gematik.de/fhir/StructureDefinition/ErxCommunicationDispReq"
          ]
        },
        "resourceType": "Communication",
        "basedOn": [
          {
            "reference": "Task/160.000.166.584.050.55/$accept?ac=048bb2fdecbfdceb15f814f270e2da0ae23fd828f798931b978f15eed57ee19d"
          }
        ],
        "sender": {
          "identifier": {
            "value": "X110459979",
            "system": "http://fhir.de/NamingSystem/gkv/kvid-10"
          }
        },
        "sent": "2022-08-12T11:41:59.311+00:00",
        "id": "01eb8fe7-9e33-4a98-3331-55d4184fc224",
        "received": "2022-08-12T11:44:10.136+00:00"
      }
    ],
    "search": {
      "mode": "match"
    }
  }
}
```

```

    }
  },
  {
    "fullUrl": "https://erp-ref.zentral.erp.splitdns.ti-dienste.de/Communication/01eb8fe6-2ef0-6e78-98a5-77ea756eb2aa",
    "resource": {
      "status": "unknown",
      "payload": [
        {
          "contentString": "{\\"address\\":[\\"Dudenstra\u00dfe 11\\",\\"36251\\",\\"Bad Hersfeld\\"],\\"phone\\":\\"017670834812\\",\\"supplyOptionsType\\":\\"shipment\\",\\"hint\\":\\"\\",\\"name\\":\\"Alice Hanna Sch\u00fchmann\\",\\"version\\":\\"1\\"}"
        }
      ],
      "recipient": [
        {
          "identifier": {
            "system": "https://gematik.de/fhir/NamingSystem/TelematikID",
            "value": "3-SMC-B-Testkarte-883110000116808"
          }
        }
      ],
      "meta": {
        "profile": [
          "https://gematik.de/fhir/StructureDefinition/ErxCCommunicationDispReq"
        ]
      },
      "resourceType": "Communication",
      "basedOn": [
        {
          "reference": "Task/160.000.166.573.412.56/$accept?ac=5b582ce14823e981e2921827127bfa2f4658953a79d51d0e7dabe6bb3d33bf4e"
        }
      ],
      "sender": {
        "identifier": {
          "value": "X110459979",
          "system": "http://fhir.de/NamingSystem/gkv/kvid-10"
        }
      },
      "sent": "2022-08-12T09:59:17.691+00:00",
      "id": "01eb8fe6-2ef0-6e78-98a5-77ea756eb2aa",
      "received": "2022-08-12T11:44:10.136+00:00"
    },
    "search": {
      "mode": "match"
    }
  }
],
"link": [
  {
    "relation": "self",
    "url": "https://erp-ref.zentral.erp.splitdns.ti-dienste.de/Communication?received=eqNULL"
  }
]
}

```