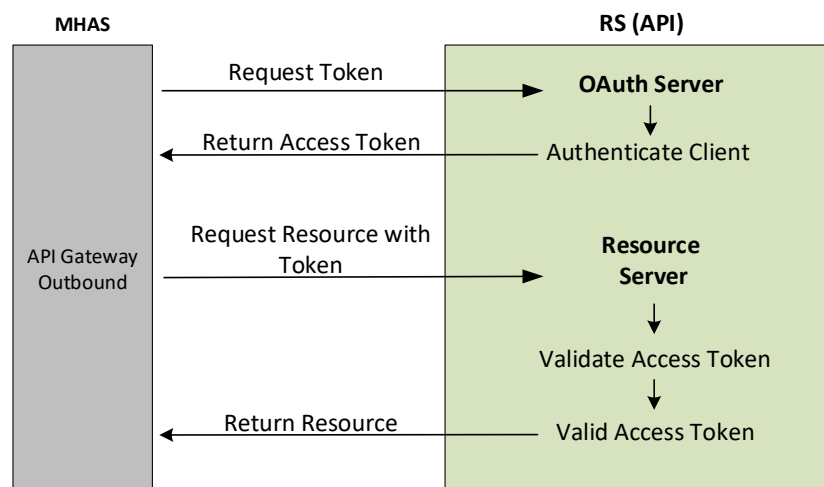


Dokumen Spesifikasi Teknis Web Service

Mandiri Hospital Application Solution (MHAS)

Security API:

Untuk security menggunakan standar OAuth 2.0, berikut mekanisme proses Request API ke Rumah sakit menggunakan standar OAuth 2.0



Untuk mendapatkan access token, client (MHAS) harus request dengan endpoint `/oauth/token` dengan method **POST**. OAuth Server akan memvalidasi data yang dikirim oleh client. Jika aman maka OAuth Server akan mengirimkan kembali hasilnya ke Client.

Jika berhasil maka OAuth Server akan mengirimkan merespon sebagai berikut:

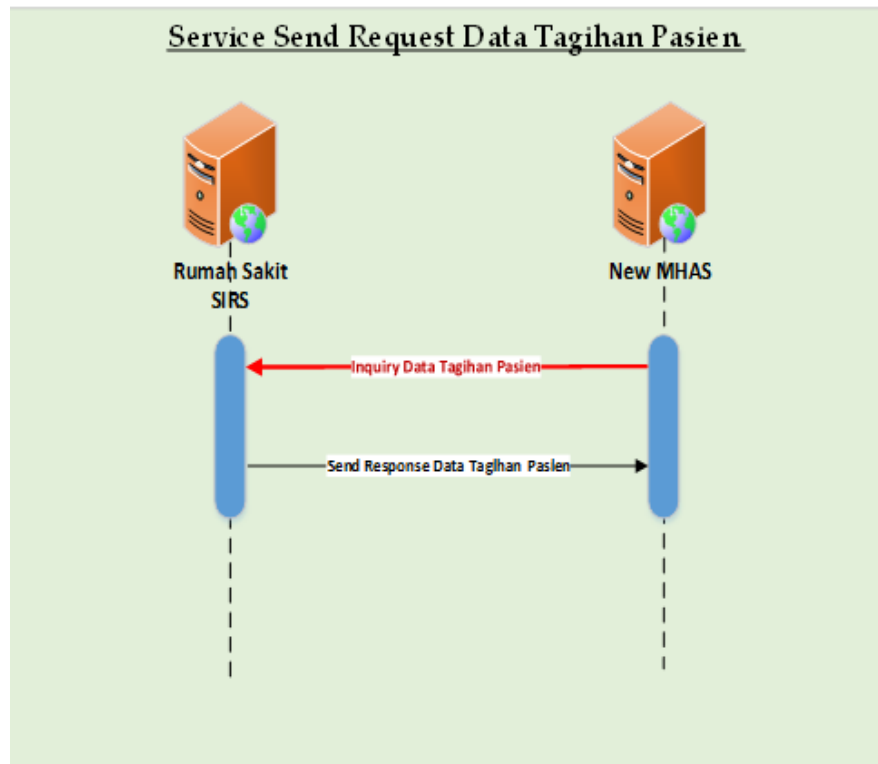
- **access_token** - digunakan untuk mengakses Resources menggunakan **HTTP Bearer**.
- **token_type** - bearer
- **refresh_token** - digunakan untuk me-generate Access Token yang baru, setelah access token kadaluarsa. Masa kadaluarsa refresh token akan lebih lama dibanding access token.
- **expires_in** - masa kadaluarsa dari access_token dalam satuan detik (maksimal 15 menit).

Spesifikasi Get Token

<https://abc.co.id/oauth/token>

Untuk spesifikasi Oauth2 refer to [APPENDIX A](#)

A. INQUIRY DAN RESPONSE PEMBAYARAN (PAYMENT)



Contoh Inquiry Data Berdasarkan Nomor Registrasi (reg_no).

Variable Name	Length	Description	Example
rsId	5	Id Rumah Sakit (di ambil dari <i>client_id</i> pada token)	90001
regNo	20	Nomor Registrasi	187821
Timestamp (String Date Format)		Date Time (yyyy-MM-dd HH:mm:ss.SSS)	2020-10-16 13:31:20.300

Rule inquiry data Payment:

Untuk inquiry data payment/tagihan sistem SIRS perlu menambahkan beberapa rule, untuk mengembalikan response ke sistem MHAS adalah sebagai berikut:

1. paymentBill > 0 rupiah
2. isCancel dan cancelFlag = 0 (belum terjadi pembatalan)

1. Spesifikasi Inquiry Data Penerimaan:

<https://abc.co.id/api/v1/penerimaan/inquiry/penerimaan>

Method: POST

Header:

Content-Type: application/json

Authorization: bearer

eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiVFNFU1OTU1FTlRfUkVTT1VSQ0UiLCJVU0VSX0FETU1OX1JFU09VUkNFIl0sInJvbGUioiJyY2xlX2FkbWluIiwicGVyY2xlX2FkbWluIiwiaWF0IjE2YmFkMmY0Mi01NmE0LTRmZGYtYWRjNi0wMDVjYjdjMTU5ZjgiLCJlbWpibCI6ImloYXNAbWVfZGlyYS5jb25pZCI6ImNsaWVudF9pZCI6IjkwMDAxIiwidXNlcm5hbWUiOiJtaGFzQG1hbmRpcmkuY28uaWQifQ.jv1a4MAn0T2OUd2vjBBENG
rEzBax09p0GvsA8ZuMMYXLl8zucdpu-
BUYzKvJwZ6RgDPDYZ9VTAhaho6f3Jf3QzEoHHsJK2fQbzeqmRuC3T7IniNpenHNnX0dja1
9QlYSXAIduXEOJH9OwovYjBKdLaRgAkSnvbi_C6LfQmAgoum6TQ7lxiUMss1m7dcOwcC4
IRos7RSdJkRuYgytIeqC11be-
5NnydtJfxXLSq7c9BixnhlJUoozacvisETDFLyolWaRPZWi2BW4XmB19KiMmet3wweDuu4
hIOtd66jfnVtsUXmSxrAsaRob-wj3g2OKvDefKv_HtF34FFrwo04mw

a. Payload request untuk inquiry berdasarkan Registrasi No (BANK MANDIRI):

```
{
  "regNo": "187821",
  "rmNo": "",
  "startDate": "",
  "endDate": "",
  "timeStamp": "2020-10-16 13:31:20.300"
}
```

b. Payload request untuk inquiry berdasarkan RM No (BANK MANDIRI):

```
{
  "regNo": "",
  "rmNo": "137102",
  "startDate": "2020-10-01",
  "endDate": "2020-10-01",
  "timeStamp": "2020-10-16 13:31:20.300"
}
```

}

Contoh: Response Inquiry Pembayaran (1 registrasi ada 3 tagihan).

Variable Name	Length	Mandatory	Description	Example 1	Example 2	Example 3
rsId	5	Yes	Id Rumah Sakit	90001	90001	90001
regNo	20	Yes	Nomor Registrasi	187821	187821	187821
rmNo	20	Yes	Nomor Rekam Medik	137102	137102	137102
regDate (String Date Format)	-	Yes	Tanggal Registrasi (yyyy-MM-dd)	2020-10-01	2020-10-01	2020-10-01
pasienName	40	Yes	Nama Pasien	Fungky	Fungky	Fungky
Dob (String Date Format)	s	Yes	Tanggal Lahir (yyyy-MM-dd)	1996-05-18	1996-05-18	1996-05-18
gender	1	Yes	Jenis kelamin (L= Laki-laki, P=Perempuan)	L	L	L
golDarah	2	No	Golongan darah (A/B/AB/O)	B	B	B
timestamp (String Date Format)	14	Yes	Date Time (yyyy-MM-dd HH:mm:ss.SSS)	2020-10-16 13:32:10.200	2020-10-16 13:32:10.200	2020-10-16 13:32:10.200
trxNo	20	Yes	Nomor Transaksi	110116120200001	110116120200002	110116120200003
noKuitansi	16	No	Nomor Kuitansi akan terisi jika telah dilakukan proses pembayaran, Jika belum dilakukan proses pembayaran maka nilainya akan kosong			
jenisPelayananId	1	Yes	Id Jenis Pelayanan : Rawat jalan(1), Rawat inap (2)	1	1	1
paymentTp	1	Yes	Tipe Pembayaran : Uang Muka(1), Pelunasan (2), Cicilan (3).	2	2	2
paidFlag	1	Yes	Status Flagging Pembayaran paidFlag = 0 ; Belum dibayar paidFlag = 1; Sudah dibayar	0	0	0
cancelFlag	1	Yes	Status Flagging Pembatalan cancelFlag = 0 ; Belum dibatalkan cancelFlag = 1; Sudah dibatalkan	0	0	0
isCancel	1	Yes	Status Pembatalan Pembatalan dari MHAS: diisi 0 Pembatalan dari SIRS: diisi 1	0	0	0
cancelNominal	12	Yes	Nominal Pembatalan Pembatalan dari MHAS: diisi 0 Pembatalan dari SIRS: diisi sesuai nominal pembatalan	0	0	0
billCode	2	Yes	Nomor Urutan pengelompokan data array	1	2	3
componentId	20	Yes	Id Poli Rumah Sakit	10100	10101	10100
kodeUnitPoli	20	No	Id Poli Unit	1010000003	1010100002	1010000001
namaDokter	40	Yes	Nama Dokter	Dr. Elvan	Dr. Jim	Dr. Steven

paymentBill	12	Yes	Nominal Tagihan	750000	500000	350000
additional1	75	No	Nama Kamar (contoh)	Gardenia	Bougenville	Lily
additional2	75	No	Kelas Kamar (contoh)	VVIP	Kelas 1	Kelas 2
additional3	75	No	Gedung (contoh)	Gedung Utama	Gedung Selatan	Gedung Utara
statusCode	2	Yes	Kode status: 1 = data ditemukan 2 = data tidak ditemukan	1	2	
statusDescription	255	Yes	Deskripsi status: statusCode = 1: "Sukses" statusCode = 2: "Data Tidak Ditemukan"	Data Tidak Ditemukan	Sukses	
inquiryCode	30	Yes	Data No Reg atau No RM atau No Kuitansi dari Payload Inquiry	187821	137102	113603091020 0000

2. Payload Response Inquiry Data (RUMAH SAKIT):

```
{
  "code": 200,
  "message": "success",
  "inquiryResponse": {
    "rsId": "90001",
    "rmNo": "137102",
    "pasienName": "Fungky",
    "dob": "1996-05-18",
    "gender": "L",
    "golDarah": "B",
    "timeStamp": "2020-10-16 13:32:10.200",
    "status": {
      "inquiryCode": "137102",
      "statusCode": "1",
      "statusDescription": "Sukses"
    },
    "billDetails": {
      "billDetail": [{
        "billCode": "1",
        "regNo": "187821",
```

```
    "regDate": "2020-10-01",
    "noKuitansi": "",
    "componentId": "10100",
    "kodeUnitPoli": "1010000003",
    "namaDokter": "Dr. Elvan",
    "trxNo": "110116120200001",
    "jenisPelayananId": "1",
    "paymentTp": "2",
    "paidFlag": "0",
    "cancelFlag": "0",
    "isCancel": "0",
    "paymentBill": "750000",
    "cancelNominal": "0",
    "additional1": "Gardenia",
    "additional2": "VVIP",
    "additional3": "Gedung Utama"
  }, {
    "billCode": "2",
    "regNo": "187821",
    "regDate": "2020-10-01",
    "noKuitansi": "",
    "componentId": "10101",
    "kodeUnitPoli": "1010100002",
    "namaDokter": "Dr. Jim",
    "trxNo": "110116120200002",
    "jenisPelayananId": "1",
    "paymentTp": "2",
    "paidFlag": "0",
    "cancelFlag": "0",
    "isCancel": "0",
```

```

        "paymentBill": "500000",
        "cancelNominal": "0",
        "additional1": "Bougenville",
        "additional2": "Kelas 1",
        "additional3": "Gedung Selatan"
    }, {
        "billCode": "03",
        "regNo": "187821",
        "regDate": "2020-10-01",
        "noKuitansi": "",
        "componentId": "10100",
        "kodeUnitPoli": "1010000001",
        "namaDokter": "Dr. Steven",
        "trxNo": "110116120200003",
        "jenisPelayananId": "1",
        "paymentTp": "2",
        "paidFlag": "0",
        "cancelFlag": "0",
        "isCancel": "0",
        "paymentBill": "350000",
        "cancelNominal": "0",
        "additional1": "Lily",
        "additional2": "Kelas 2",
        "additional3": "Gedung Utara"
    }
]
}
}
}

```

3. Payload Response Inquiry Data Jika Tidak di temukan berdasarkan request Reg No (RUMAH SAKIT):

```
{
  "code": 200,
  "message": "success",
  "inquiryResponse": {
    "rsId": "90001",
    "rmNo": "",
    "pasienName": "",
    "dob": "",
    "gender": "",
    "golDarah": "",
    "timeStamp": "2020-10-16 13:32:10.200",
    "status": {
      "inquiryCode": "187821",
      "statusCode": "2",
      "statusDescription": "Data Tidak Ditemukan"
    },
    "billDetails": null
  }
}
```


B. RESPONSE FLAGGING PEMBAYARAN (PAYMENT).

Variable Name	Length	Mandatory	Description	Example 1	Example 2
rsId	5	Yes	Id Rumah Sakit	90001	90001
regNo	20	Yes	Nomor Registrasi	187821	187821
rmNo	20	Yes	Nomor Rekam Medik	137102	137102
pasienName	40	Yes	Nama Pasien	Fungky	Fungky
regDate (String Date Format)	-	Yes	Tanggal Registrasi (yyyy-MM-dd)	2020-10-01	2020-10-01
jenisPelayananId	1	Yes	Id Jenis Pelayanan : Rawat jalan(1), Rawat inap(2)	1	1
paymentTp	1	Yes	Tipe Pembayaran : Uang Muka(1), Pelunasan(2), Cicilan(3).	2	2
trxNo	15	Yes	Nomor Transaksi	110116120200001	110116120200002
noKuitansi	16	Yes	Nomor Kuitansi	1136030910200000	1136030910200000
paidFlag	1	Yes	Status Flagging Pembayaran paidFlag = 0 ; Belum dibayar paidFlag = 1; Sudah dibayar	1	1
cancelFlag	1	Yes	Status Flagging Pembatalan cancelFlag = 0 ; Belum dibatalkan cancelFlag = 1; Sudah dibatalkan	0	0
isCancel	1	Yes	Status Pembatalan Pembatalan dari MHAS: diisi 0 Pembatalan dari SIRS: diisi 1	0	0
paymentBill	12	Yes	Nominal Tagihan	750000	500000
cancelNominal	12	Yes	Nominal Pembatalan Pembatalan dari MHAS: diisi 0 Pembatalan dari SIRS: diisi sesuai nominal pembatalan	0	0
newPaymentBill	12	Yes	Total Tagihan setelah dikurangi dengan Pembatalan	0	0
timestamp (String Date Format)	14	Yes	Date Time (yyyy-MM-dd HH:mm:ss.SSS)	2020-10-16 13:35:50.200	2020-10-16 13:35:50.200
additional1	75	No	Nama Kamar (contoh)	Gardenia	Bougenville

additional2	75	No	Kelas Kamar (contoh)	VVIP	Kelas 1
additional3	75	No	Gedung (contoh)	Gedung Utama	Gedung Selatan
statusCode	2	Yes	Kode status: 1 = sukses flagging 2 = gagal flagging	1	2
statusDescription	255	Yes	Deskripsi status: statusCode = 1: "Sukses" statusCode = 2: "Flagging Gagal"	Sukses	Flagging Gagal

1. Spesifikasi Request Flagging Pembayaran pertama (BANK MANDIRI):

<https://abc.co.id/api/v1/penerimaan/flaggingpenerimaan>

Method: POST

Header:

Content-Type: application/json

Authorization: bearer

eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiVFNWU19DTElFTlRfUkVTT1VSQ0UiLCJVU0VSX0FETU1OX1JFU09VUkNFIl0sInJvbGUioiJyY2xlX2FkbWluIiwicGVybnWlzc2lbnMiOlt0sInVzZXJfbmFtZSI6ImFnZW50OTAwMDEiLCJzY29wZSI6WyJyY2xlX2FkbWluIl0sImV4cCI6MTY0NjEyMTA4MSwiYXV0aG9yaXRpZXMiOlsicm9sZV9hZG1pbjJdLCJqdGkiOiI2YmFkMmY0Mi01NmE0LTRmZGYtYWRjNi0wMDVjYjdjMTU5ZjgiLCJlbWVpbCI6ImloYXNAbWFuZGlyYS5jbY5pZCI6ImNsaWVudF9pZCI6IjkwMDAxIiwidXNlcm5hbWUiOiJtaGFzQG1hbmRpcmkuY28uaWQifQ.jv1a4MAn0T2OUd2vjBBENg rEzBax09p0GvsA8ZuMMYXLl8zucdpu-BUYzKvJwZ6RgDPDYZ9VTAhah06f3Jf3QzEoHHsJK2fQbzeqmRuC3T7IniNpenHNnX0dja19QlYSXAIduXEOJH9OwovYjBKdLaRgAkSnbvhi_C6LfQmAgoum6TQ7lxiUMss1m7dcOwcC4IRos7RSdJkRuYgytIeqC11be-5NnydtJfxXLSq7c9BixnhlJUoozacvisETDFLyolWaRPZW2BW4XmB19KiMmet3wweDuu4hIOtd66jfNVtsUXmSxrAsaRob-wj3g2OKvDefKv_HTF34FFrwo04mw

Payload request untuk flagging pembayaran pertama (BANK MANDIRI):

```
{
  "regNo": "187821",
  "rmNo": "137102",
  "pasienName": "Fungky",
  "regDate": "2020-10-01",
  "jenisPelayananId": "1",
  "paymentTp": "2",
```

```

    "trxNo": "110116120200001",
    "noKuitansi": "1136030910200000",
    "paidFlag": "1",
    "cancelFlag": "0",
    "isCancel": "0",
    "paymentBill": "750000",
    "cancelNominal": "0",
    "newPaymentBill": "0",
    "additional1": "Gardenia",
    "additional2": "VVIP",
    "additional3": "Gedung Utama",
    "timeStamp": "2020-10-16 13:35:50.200"
  }

```

2. Spesifikasi Request Flagging Pembayaran Kedua (BANK MANDIRI):

<https://abc.co.id/api/v1/penerimaan/flaggingpenerimaan>

Method: POST

Header:

Content-Type: application/json

Authorization: bearer

```

eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiVFNWU19DTElFTlRfUkVTT
1VSQ0UiLCJVU0VSX0FETU1OX1JFU09VUkNFIl0sInJvbGUiOiJ7Im5hbWUiOiJyb2xlX2F
kbWluIiwicGVybnWlzc2lvbnMiOiJ0sImV4cCI6MTY0NjEyMTA4MSwiYXV0aG9yaXRpZXM
icm9sZV9hZG1pbiJdLCJqdGkiOiI2YmFkMmY0Mi01NmE0LTRmZGYtYWRjNi0wMDVjYj
dMjTU5ZjgiLCJlbWVpbCI6ImloYXNAbWFuZGlyYS5jb25pZCI6ImNsaWVudF9pZCI6I
jkwMDAxIiwidXNlcm5hbWUiOiJtaGFzQG1hbmRpcmkuY28uaWQifQ.jv1a4MAn0T2OUd2vj
BBENg
rEzBax09p0GvsA8ZuMMYXLl8zucdpu-
BUYzKvJwZ6RgDPDYz9VTAhaho6f3Jf3QzEoHHsJK2fQbzeqmRuC3T7IniNpenHNnX0dja
19Q1YSXAIduXEOJH9OwovYjBKdLaRgAkSnbhi_C6LfQmAgoum6TQ71xiUMss1m7dcOwcC4
IRos7RSdJkRuYgytIeqC1lbe-
5NnydtJfxXLSq7c9BixnhlJUoozacvisETDFLyolWaRPZWi2BW4XmB19KiMmet3wweDuu4
hIOtd66jfNVtsUXmSxrAsaRob-wj3g2OKvDefKv_HtF34FFrwo04mw

```

Payload request untuk flagging pembayaran kedua (BANK MANDIRI):

```

{

```

```

    "regNo": "187821",
    "rmNo": "137102",
    "pasienName": "Fungky",
    "regDate": "2020-10-01",
    "jenisPelayananId": "1",
    "paymentTp": "2",
    "trxNo": "110116120200002",
    "noKuitansi": "1136030910200000",
    "paidFlag": "1",
    "cancelFlag": "0",
    "isCancel": "0",
    "paymentBill": "500000",
    "cancelNominal": "0",
    "newPaymentBill": "0",
    "additional1": "Bougenville",
    "additional2": "Kelas 1",
    "additional3": " Gedung Selatan",
    "timeStamp": "2020-10-16 13:35:50.200"
  }
}

```

3. Response Flagging Pembayaran pertama (RUMAH SAKIT):

Sukses :

```

{
  "code": 200,
  "message": "success",
  "flaggingResponse": {
    "rsId": "90001",
    "regNo": "187821",
    "rmNo": "137102",
    "pasienName": "Fungky",

```

```
    "trxNo": "110116120200001",
    "noKuitansi": "1136030910200000",
    "additional1": "Gardenia",
    "additional2": "VVIP",
    "additional3": "Gedung Utama",
    "timeStamp": "2020-10-16 13:36:10.500",
    "status": {
      "statusCode": "1",
      "statusDescription": "Sukses"
    }
  }
}
```

Gagal:

```
{
  "code": 200,
  "message": "success",
  "flaggingResponse": {
    "rsId": "90001",
    "regNo": "187821",
    "rmNo": "137102",
    "pasienName": "Fungky",
    "trxNo": "110116120200001",
    "noKuitansi": "1136030910200000",
    "additional1": "Gardenia",
    "additional2": "VVIP",
    "additional3": "Gedung Utama",
    "timeStamp": "2020-10-16 13:36:10.500",
    "status": {
      "statusCode": "2",
      "statusDescription": "Flagging Gagal"
    }
  }
}
```

```

    }
  }
}

```

4. Response Flagging Pembayaran kedua (RUMAH SAKIT):

Sukses:

```

{
  "code": 200,
  "message": "success",
  "flaggingResponse": {
    "rsId": "90001",
    "regNo": "187821",
    "rmNo": "137102",
    "pasienName": "Fungky",
    "trxNo": "110116120200001",
    "noKuitansi": "1136030910200000",
    "additional1": "Bougenville",
    "additional2": "Kelas 1",
    "additional3": "Gedung Selatan",
    "timeStamp": "2020-10-16 13:36:10.500",
    "status": {
      "statusCode": "1",
      "statusDescription": "Sukses"
    }
  }
}

```

Gagal:

```

{
  "code": 200,
  "message": "success",

```

```
"flaggingResponse": {
  "rsId": "90001",
  "regNo": "187821",
  "rmNo": "137102",
  "pasienName": "Fungky",
  "trxNo": "110116120200001",
  "noKuitansi": "1136030910200000",
  "additional1": "Bougenville",
  "additional2": "Kelas 1",
  "additional3": "Gedung Selatan",
  "timeStamp": "2020-10-16 13:36:10.500",
  "status": {
    "statusCode": "2",
    "statusDescription": "Flagging Gagal"
  }
}
}
```

C. INQUIRY DAN RESPONSE PEMBATALAN (CANCELLATION).

Variable Name	Length	Description	Example
rsId	5	Id Rumah Sakit	90001
noKuitansi	20	Nomor Kuitansi	1136030910200000
timestamp (String Date Format)	14	Date Time (yyyy-MM-dd HH:mm:ss.SSS)	2020-10-16 13:42:30.500

Rule inquiry data Cancellation:

Untuk inquiry data Cancellation/pembatalan, Sistem SIRS perlu menambahkan beberapa rule, sebelum mengembalikan response ke sistem MHAS:

1. cancelNominal > 0 rupiah dan cancelNominal <= paymentBill
2. paidFlag = 1
3.
 - isCancel = 1 dan cancelFlag =0 – jika pembatalan datang SIRS
 - isCancel = 0 dan cancelFlag =0 – jika pembatalan datang MHAS

billCode	2	Yes	Nomor Urutan pengelompokkan data array	1	2
componentId	20	Yes	Id Poli Rumah Sakit	10100	10101
kodeUnitPoli	20	No	Id Poli Unit	1010000003	1010100002
namaDokter	40	Yes	Nama Dokter	Dr. Elvan	Dr. Jim
trxNo	20	Yes	Nomor Transaksi	110116120200001	110116120200002
noKuitansi	16	Yes	Nomor Kuitansi	1136030910200000	1136030910200000
paidFlag	1	Yes	Flagging Pembayaran : Belum di flagging (0), Sudah di Flagging (1).	1	1
cancelFlag	1	Yes	Flagging Pembatalan : Belum di flagging (0), Sudah di Flagging (1).	0	0
isCancel	1	Yes	Status Cancel : Belum di approved RS (0), Sudah di approved RS (1)	1	1
jenisPelayananId	1	Yes	Id Jenis Pelayanan : Rawat Inap(1), Rawat Jalan(2)	1	1
paymentTp	1	Yes	Tipe Pembayaran : Uang Muka(1), Pelunasan(2), Cicilan(3).	2	2
paymentBill	12	Yes	Jumlah Tagihan	750000	500000
cancelNominal	12	Yes	Nominal Pembatalan Pembatalan dari MHAS: diisi 0 Pembatalan dari SIRS: diisi sesuai nominal pembatalan	750000	500000
additional1	75	No	Nama Kamar (contoh)	Gardenia	Bougenville
additional2	75	No	Kelas Kamar (contoh)	VVIP	Kelas 1
additional3	75	No	Gedung (contoh)	Gedung Utama	Gedung Selatan
statusCode	2	Yes	Kode status: 1 = data ditemukan 2 = data tidak ditemukan	1	2
statusDescription	255	Yes	Deskripsi status: statusCode = 1: "Sukses" statusCode = 2: "Data Tidak Ditemukan"	Data Tidak Ditemukan	Sukses
inquiryCode	30	Yes	Data No Kuitansi dari Payload Inquiry	113603091020 0000	113603091020 0000

2. Payload Response Data Kuitansi Ditemukan (RUMAH SAKIT):

```
{
  "code": 200,
  "message": "success",
  "inquiryResponse": {
    "rsId": "90001",
    "rmNo": "137102",
    "pasienName": "Fungky",
    "dob": "1996-05-18",
    "gender": "L",
    "golDarah": "B",
    "timeStamp": "2020-10-16 13:43:10.300",
    "status": {
      "inquiryCode": "1136030910200000",
      "statusCode": "1",
      "statusDescription": "Sukses"
    },
  },
  "billDetails": {
    "billDetail": [{
      "billCode": "1",
      "regNo": "187821",
      "regDate": "2020-10-01",
      "noKuitansi": "1136030910200000",
      "componentId": "10100",
      "kodeUnitPoli": "10100000003",
      "namaDokter": "Dr. Elvan",
      "trxNo": "110116120200001",
      "paidFlag": "1",
      "cancelFlag": "0",
      "isCancel": "1",
      "jenisPelayananId": "1",
    }],
  },
}
```

```

        "paymentTp": "2",
        "paymentBill": "750000",
        "cancelNominal": "750000",
        "additional1": "Gardenia",
        "additional2": "VVIP",
        "additional3": "Gedung Utama"
    }, {
        "billCode": "02",
        "regNo": "187821",
        "regDate": "2020-10-01",
        "noKuitansi": "1136030910200000",
        "componentId": "10101",
        "kodeUnitPoli": "1010000002",
        "namaDokter": "Dr. Jim",
        "trxNo": "110116120200002",
        "paidFlag": "1",
        "cancelFlag": "0",
        "isCancel": "1",
        "jenisPelayananId": "1",
        "paymentTp": "2",
        "paymentBill": "500000",
        "cancelNominal": "500000",
        "additional1": " Bougenville",
        "additional2": "Kelas 1",
        "additional3": "Gedung Selatan"
    }
]
}
}
}

```

3. Payload Response Data Kuitansi Tidak Ditemukan (RUMAH SAKIT):

```
{
  "code": 200,
  "message": "success",
  "inquiryResponse": {
    "rsId": "90001",
    "rmNo": "",
    "pasienName": "",
    "dob": "",
    "gender": "",
    "golDarah": "",
    "timeStamp": "2020-10-16 13:32:10.200",
    "status": {
      "inquiryCode": "1136030910200000",
      "statusCode": "2",
      "statusDescription": "Data Tidak Ditemukan"
    },
    "billDetails": null
  }
}
```

D. SEND DAN RESPONSE FLAGGING PEMBATALAN (CANCELLATION).

Rule inquiry data Cancellation:

Untuk flagging data Cancellation/pembatalan, Sistem SIRS perlu menambahkan beberapa rule, sebelum mengembalikan response ke sistem MHAS:

1. Semua Pembayaran dengan no kuitansi lama (oldNoKuitansi) akan di update dengan no Kuitansi (noKuitansi) yang baru.
2. Set - isCancel, cancelFlag, cancelNominal & newPaymentBill sesuai request payload.

Variable Name	Length	Mandatory	Description	Example 1	Example 2
rsId	5	Yes	Id Rumah Sakit	90001	90001
regNo	20	Yes	Nomor Registrasi	187821	187821
rmNo	20	Yes	Nomor Rekam Medik	137102	137102
regDate (String Date Format)	-	Yes	Tanggal Registrasi(yyyy-MM-dd)	2020-10-01	2020-10-01
trxNo	15	Yes	Nomor Transaksi	110116120200001	110116120200002
noKuitansi	16	Yes	Nomor Kuitansi	2136030910200000	2136030910200000
oldNoKuitansi	16	Yes	Nomor Kuitansi lama	1136030910200000	1136030910200000
timestamp (String Date Format)	14	Yes	Date Time (yyyy-MM-dd HH:mm:ss.SSS)	2020-10-16 13:45:20.100	2020-10-16 13:45:20.100
paidFlag	1	Yes	Status Flagging Pembayaran paidFlag = 0 ; Belum dibayar paidFlag = 1; Sudah dibayar	1	1
cancelFlag	1	Yes	Status Flagging Pembatalan cancelFlag = 0 ; Belum dibatalkan cancelFlag = 1; Sudah dibatalkan	1	1
isCancel	1	Yes	Status Pembatalan Pembatalan dari MHAS: diisi 0 Pembatalan dari SIRS: diisi 1	1	1
paymentBill	12	Yes	Nominal Tagihan	750000	500000
cancelNominal	12	Yes	Nominal Batal	750000	500000
newPaymentBill	12	Yes	Sisa Pembayaran setelah dikurangi pembatalan	0	0
additional1	75	No	Nama Kamar (contoh)	Gardenia	Bougenville
additional2	75	No	Kelas Kamar (contoh)	VVIP	Kelas 1
additional3	75	No	Gedung (contoh)	Gedung Utama	Gedung Selatan
statusCode	2	Yes	Kode status: 1 = sukses flagging 2 = gagal flagging	1	2
statusDescription	255	Yes	Deskripsi status: statusCode = 1: "Sukses" statusCode = 2: "Flagging Gagal"	Sukses	Flagging Gagal

1. Spesifikasi Flagging Pembatalan pertama (BANK MANDIRI):

<https://abc.co.id/api/v1/pembatalan/flaggingpembatalan>

Method: POST

Header:

Content-Type: application/json

Authorization: bearer

eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiVFNFU19DTElFTlRfUkVTT1VSQ0UiLCJVU0VSX0FETU1OX1JFU09VUkNFIl0sInJvbGUioiJyY2xlX2FkbWluIiwicGVybnVlc2lvdnMiOlt0sInVzZXJfbmFtZSI6ImFnZW50OTAwMDEiLCJzY29wZSI6WyJyY2xlX2FkbWluIl0sImV4cCI6MTY0NjEyMTA4MSwiYXV0aG9yaXRpZXMioIsicm9sZV9hZG1pbiJdLCJqdGkiOiI2YmFkMmY0Mi01NmE0LTRmZGYtYWRjNi0wMDVjYjdjMTU5ZjgiLCJlbWVpbCI6ImloYXNAbWFuZGlyaS5jby5pZCI6ImNsaWVudF9pZCI6IjkwMDAxIiwidXNlcm5hbWUiOiJtaGFzQGhbmRpcmkuY28uaWQifQ.jv1a4MAn0T2OUd2vjBBENg rEzBax09p0GvsA8ZuMMYXLl8zucdpu-BUYzKvJwZ6RgDPDYZ9VTAhah06f3Jf3QzEoHHsJK2fQbzeqmRuC3T7IniNpenHNnX0dja19QlYSXAIduXEOJH9OwovYjBKdLaRgAkSnbvhi_C6LfQmAgoum6TQ7lxiUMsslm7dcOwcC4IRos7RSdJkRuYgytIeqC1lbe-5NnydtJfxXLSq7c9BixnhlJUoozacvisETDFLyolWaRPZW2BW4XmB19KiMmet3wweDuu4hIOtd66jfNVtsUXmSxrAsaRob-wj3g2OKvDefKv_HTF34FFrwo04mw

Payload request untuk flagging pembatalan pertama (BANK MANDIRI):

```
{
  "regNo": "187821",
  "rmNo": "137102",
  "pasienName": "Fungky",
  "regDate": "2020-10-01",
  "jenisPelayananId": "1",
  "paymentTp": "2",
  "trxNo": "110116120200001",
  "noKuitansi": "2136030910200000",
  "oldNoKuitansi": "1136030910200000",
  "paidFlag": "1",
  "cancelFlag": "1",
  "isCancel": "1",
  "paymentBill": "750000",
```

```

    "cancelNominal": "750000",
    "newPaymentBill": "0",
    "additional1": "Gardenia",
    "additional2": "VVIP",
    "additional3": "Gedung Utama",
    "timeStamp": "2020-10-16 13:45:20.100"
  }

```

2. Spesifikasi Request Flagging Pembatalan kedua (BANK MANDIRI):

<https://abc.co.id/api/v1/pembatalan/flaggingpembatalan>

Method: POST

Header:

Content-Type: application/json

Authorization: bearer

```

eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiVFNWU1OTU1FTlRfUkVTT
1VSQ0UiLCJVU0VSX0FETU1OX1JFU09VUkNFIl0sInJvbGUiOiJyY2xlX2F
kbWluIiwicGVyY2xlX2FkbWluIj0sImV4cCI6MTY0NjEyMTA4MSwiYXV0aG9yaXRpZXM
icm9sZV9hZG1pbiJdLCJqdGkiOiI2YmFkMmY0Mi01NmE0LTRmZGYtYWRjNi0wMDVjYj
dM
TU5ZjgiLCJlbWVpbCI6ImloYXNAbWFuZGlyYS5jby5pZCI6ImNsaWVudF9pZCI6IjkwMDA
xIiwidXNlcm5hbWUiOiJtaGFzQG1hbmRpcmkuY28uaWQifQ.jv1a4MAn0T2OUd2vjBBENg
rEzBax09p0GvsA8ZuMMYXLl8zucdpu-
BUYzKvJwZ6RgDPDYz9VTAhah06f3Jf3QzEoHHSJK2fQbzeqmRuC3T7IniNpenHNnX0dja1
9Q1YSXAIduXEOJH9OwovyjBKdLaRgAkSnbh_C6LfQmAgoum6TQ7lxiUMsslm7dcOwcC4
IRos7RSdJkRuYgytIeqC1lbe-
5NnydtJfxXLSq7c9BixnhlJUoozacvisETDFLyolWaRPZWi2BW4XmB19KiMmet3wweDuu4
hIOtd66jfNVtsUXmSxrAsaRob-wj3g2OKvDefKv_HtF34FFrwo04mw

```

Payload request untuk flagging pembatalan kedua (BANK MANDIRI)

```

{
  "regNo": "187821",
  "rmNo": "137102",
  "pasienName": "Fungky",
  "regDate": "2020-10-01",
  "jenisPelayananId": "1",
  "paymentTp": "2",

```



```
"trxNo": "110116120200002",
"noKuitansi": "2136030910200001",
"oldNoKuitansi": "1136030910200001",
"paidFlag": "1",
"cancelFlag": "1",
"isCancel": "1",
"paymentBill": "500000",
"cancelNominal": "500000",
"newPaymentBill": "0",
"additional1": "Bougenville",
"additional2": "Kelas 1",
"additional3": "Gedung Selatan",
"timeStamp": "2020-10-16 13:45:20.100"
}
```

3. Response flagging pembatalan pertama (RUMAH SAKIT):

Sukses :

```
{
  "code": 200,
  "message": "success",
  "flaggingResponse": {
    "rsId": "90001",
    "regNo": "187821",
    "rmNo": "137102",
    "pasienName": "Fungky",
    "trxNo": "110116120200001",
    "noKuitansi": "2136030910200001",
    "oldNoKuitansi": "1136030910200001",
    "additional1": "Gardenia",
    "additional2": "VVIP",
    "additional3": "Gedung Utama",
  }
}
```

```

        "timeStamp": "2021-05-04 16:24:19.919",
        "status": {
            "statusCode": "1",
            "statusDescription": "Sukses"
        }
    }
}

```

Gagal:

```

{
    "code": 200,
    "message": "success",
    "flaggingResponse": {
        "rsId": "90001",
        "regNo": "187821",
        "rmNo": "137102",
        "pasienName": "Fungky",
        "trxNo": "110116120200001",
        "noKuitansi": "2136030910200001",
        "oldNoKuitansi": "1136030910200001",
        "additional1": "Gardenia",
        "additional2": "VVIP",
        "additional3": "Gedung Utama",
        "timeStamp": "2021-05-04 16:24:19.919",
        "status": {
            "statusCode": "2",
            "statusDescription": "Flagging Gagal"
        }
    }
}

```

4. Response flagging pembatalan kedua (RUMAH SAKIT):

Sukses:

```
{
  "code": 200,
  "message": "success",
  "flaggingResponse": {
    "rsId": "90001",
    "regNo": "187821",
    "rmNo": "137102",
    "pasienName": "Fungky",
    "trxNo": "110116120200002",
    "noKuitansi": "2136030910200001",
    "oldNoKuitansi": "1136030910200001",
    "additional1": "Bougenville",
    "additional2": "Kelas 1",
    "additional3": "Gedung Selatan",
    "timeStamp": "2021-05-04 16:24:19.919",

    "status": {
      "statusCode": "1",
      "statusDescription": "Sukses"
    }
  }
}
```

Gagal:

```
{
  "code": 200,
  "message": "success",
  "flaggingResponse": {
    "rsId": "90001",
```

```
"regNo": "187821",
"rmNo": "137102",
"pasienName": "Fungky",
"trxNo": "110116120200002",
"noKuitansi": "2136030910200001",
"oldNoKuitansi": "1136030910200001",
"additional1": "Bougenville",
"additional2": "Kelas 1",
"additional3": "Gedung Selatan",
"timeStamp": "2021-05-04 16:24:19.919",

"status": {
  "statusCode": "2",
  "statusDescription": "Flagging Gagal"
}
}
}
```

E. MAPPING TRANSAKSI RUMAH SAKIT

Tipe Posting	jenis_pelayanan_id	jenis_transaksi	payment_tp	Rekening	CARA BAYAR						KONDISI
					TUNAI	DEBIT CARD	CREDIT CARD	TRANSFER	LINK AJA	VA	
REALTIME	RAWAT JALAN	PAYMENT	CASH	PELUNASAN	√	√	√	√	√	√	VA tidak melalui MHAS namun MHAS mendapatkan flagging
		CANCELLATION	CASH	PELUNASAN	√	√	√	X	X	X	Sebelum Tutup Cabang berikutnya
	RAWAT INAP	PAYMENT	CASH	PELUNASAN	√	√	√	√	√	√	
			CICILAN	PELUNASAN	√	√	√	√	√	√	
			UANG MUKA	UANG MUKA	√	X	X	√	X	√	
		CANCELLATION	CASH	PELUNASAN	√	√	√	X	X	X	Sebelum Tutup Cabang
			CICILAN	PELUNASAN	√	√	√	X	X	X	Sebelum tutup cabang
			UANG MUKA	UANG MUKA	√	X	X	X	X	X	Sebelum tutup cabang
		RETUR	UANG MUKA	UANG MUKA	√	X	X	√	X	√	Pada saat pasien pulang
NON REALTIME	RAWAT JALAN	PAYMENT	CASH	PELUNASAN	√	√	√	√	√	√	
		CANCELLATION	CASH	PELUNASAN	√	√	√	X	X	X	Sebelum Tutup Cabang
	RAWAT INAP	PAYMENT	CASH	PELUNASAN	√	√	√	√	√	√	
			CICILAN	PELUNASAN	√	√	√	√	√	√	
			UANG MUKA	UANG MUKA	√	X	X	√	X	√	
		CANCELLATION	CASH	PELUNASAN	√	√	√	X	X	X	Sebelum Tutup Cabang
			CICILAN	PELUNASAN	√	√	√	X	X	X	Sebelum Tutup Cabang
			UANG MUKA	UANG MUKA	√	X	X	X	X	X	Sebelum Tutup Cabang
		RETUR	UANG MUKA	UANG MUKA	√	X	X	√	X	√	Pada saat pasien pulang

APPENDIX A

API Access Control

Menggunakan protokol secure HTTPS dengan enkripsi pada media komunikasi dengan minimal Transport Layer Security (TLS) 1.2

Field Name	Description	Type	M/O	Length
Content-Type	application/json		M	
grant_type	grant_type=password	String	M	
username	Username yang telah teregistrasi di backend system	String	M	32
password	Password yang telah di simpan di backend system	String	M	32
client_id	Client id yang telah di simpan di backend system	String	M	32
client_secret	Client secret yang telah di simpan di backend system Dapat di generate menggunakan UUID atau hash dengan format huruf kapital dan fixed length 32.	String	M	32

Contoh Payload Request Body:

```
{
  "grant_type": "password",
  "username": "90001",
  "password": "5tr%@sbtrpwD",
  "client_id": "90001",
  "client_secret": "F513D3FBC38B4403A5AEB1B9255A767"
}
```

Contoh Payload Response Body jika Success:

```
{
  "access_token":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiI0siVFNFUl9DTElFTlRfUkVVTlVSQ0UiLCJVU0VSX0FETU1OXlJFU09VUkNFIl0sInJvbGUiOiI7Im5hbWUiOiJyb2xlX2FkbWluIiwicGVybmWlzc2lvbnMiOiItdFV0sInVzZXZjbmFtZSI6ImFnZW50OTAwMDEiLCJzY29wZSI6WyJyb2xlX2FkbWluIl0sImV4cCI6MTY0NjEyMTA4
```

```

MSwiYXV0aG9yaXRpZXMiOlsicm9sZV9hZG1pbWJlcjQdGkiOiI2YmFkMmY0Mi01NmE0LTRmZGYtYWRjNi0wMD
VjYjdjMTU5ZjgiLCJlbWVpbCI6ImloYXNAbWFuZGlyaS5jby5pZCIsImNsaWVudF9pZCI6IjkwMDAxIiwidXNl
cm5hbWUiOiJtaGFzQG1hbmRpcmkuY28uaWQifQ.jv1a4MAAn0T2OUd2vjBBENgrEzBax09p0GvsA8ZuMMYXLl8z
ucdpu-
BUYzKvJwZ6RgDPDYz9VTAhah06f3Jf3QzEoHHsJK2fQbzeqmRuC3T7IniNpenHNnX0dja19QlYSXAIduXEOJH9
OwovyjBKdLaRgAkSnbvbi_C6LfQmAgoum6TQ7lxiUMss1m7dcOwCC4IRos7RSdJkRuYgytIeqC1lbe-
5NnydtJfxXLSq7c9BixnhlJUoozacvisETDFLyolWaRPZW2i2BW4XmB19KiMmet3wweDuu4hIoTd66jfNVtsUXm
SxrAsaRob-wj3g2OKvDefKv_HTF34FFrwo04mw",

  "token_type": "bearer",

  "refresh_token":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiI2YmFkMmY0Mi01NmE0LTRmZGYtYWRjNi0wMD
X0FETU0X1JFU09VUkNFIl0sInJvbmGUl0lt7Im5hbWUiOiJyb2x1X2FkbWluIiwicGlybWlzc2lvdnMiOltV
0sInVzZXJfbmFtZSI6ImFnZW50OTAwMDEiLCJzY29wZSI6WyJyb2x1X2FkbWluIl0sImF0aSI6IjZiYWQyZjQy
LTU2YTQtNGZkZi1hZGM2LTAwNWNiN2MxNTlmOCIsImV4cCI6MTY0ODcxMjE4MSwiYXV0aG9yaXRpZXMiOlsicm
9sZV9hZG1pbWJlcjQdGkiOiIxMTY3NmY2Yy05NTJkLTRkNWMTYTI0My1hMjE2ZDcxZTY3OTUuIiwidXNlcm5hbWUiOiJtaGFzQG1hbmRpcm
kuY28uaWQifQ.ei8Zvpm0fKM0Py66Ebc-
_Hva84fxo2IGIj8H0rbs19V5jDyvec3_UDGgap6uKwAz5VTF1aV3ILii3UIDCIYfP4PulzKsSyie05D8L_qvOk
kQZWmH0mia65LtBqdUNj_zGftfo5sXfT0qCYh40WWu6Iu5JDRN6sitYe5d7BvmKPSHOiXJba-
yE87toPFa8YDwStUWLu4MKFbBtps4ZCp25Vl2lWUOvrsBMoTqzmImugESAE___Ic-
bGkNfKxMX6AJ2q36tz2OmNJdhe71KyRNwxkvNmRMPQwA-KtD6ujfzCieLG4Uuj-w80r0-
WskVDmQ_cS8XDZRwaG78ILYMo7cQ",

  "expires_in": 899,

  "scope": "role_user",

  "email": "mhas@mandiri.co.id",

  "username": "90001",

  "role": [

    {

      "name": "role_user",

      "permissions": []

    }

  ],

  "jti": "6bad2f42-56a4-4fdf-adc6-005cb7c159f8"
}

```

Contoh Response Failed 401 - Unauthorized:

```
{  
  "error": "invalid_client",  
  "error_description": "Bad client credentials"  
}
```