



Fulfillment Rest Web Service

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Scope of API

This controls fulfillment-related tasks, like kicking off manual syncs, restarting jobs, and non-CRUD Shared Data Repository operations.

WADL Location

The location of the WADL for the Fulfillment REST Web Service is
`https://HCM-F_Server_IPaddress:8443/ff/rest/application.wadl`.

Scope of API for License Statistics REST Web Service

This is a web interface to the License Statistics REST Web Service. This web service contains Read APIs to view data in the License Dashboard. The REST APIs URL to fetch the license report for customers and PLMs in the HCM-F license dashboard is as follows:

- To fetch customers for license dashboard:
`https://HCM-F_Server_IPaddress/sdr/rest/licenseAnalytics/customerview/customers`
- To fetch PLMs for license dashboard:
`https://HCM-F_Server_IPaddress/sdr/rest/licenseAnalytics/plmview/plms`
- To fetch License report for all PLMs:
`https://HCM-F_Server_IPaddress/sdr/rest/licenseAnalytics/plmview/stats`
- To fetch License Report for specific PLM:
`https://HCM-F_Server_IPaddress/sdr/rest/licenseAnalytics/plmview/stats/plm-id`
- To fetch License report for all customers:
`https://HCM-F_Server_IPaddress/sdr/rest/licenseAnalytics/customerview/stats`

- To fetch License report for specific customer:
https://HCM-F_Server_IPaddress/sdr/rest/licenseAnalytics/customerview/stats/customer-id
- To fetch License report of User, and Device report for specific customer:
https://HCM-F_Server_IPaddress/sdr/rest/licenseAnalytics/customerview/downloadUserLicense/customer-id

**Note**

- Apart from the supported SI Report versions, the License Dashboard is not available.
- You must specify the mandatory headers for using these API. See [Specifying Mandatory API Headers](#)

Flex License Usage Report APIs

This is a web interface to the Flex License Usage Report REST Web Service. The web service contains Read APIs to view data in the Flex Usage Report. Use the REST APIs URL to configure and fetch the Flex License Usage summary report for UC clusters at customer level.

**Note**

You must accept EURA (End User Reporting Agreement) before using any API to configure or download the Flex License Usage report. Else, the report is not generated.

- To configure the Flex Usage Report, use the following API to configure Flex Usage report parameters such as scheduler time, date, SFTP server details, and HCM-F hostname:

- **GET**

https://HCM-F_Server_IPaddress/sdr/rest/licenseManagement/configuration

Response:

```
{
  "providerName": "",
  "reportScheduleTime": "",
  "reportScheduleDay": "",
  "reportfrequency": "",
  "retentionPeriod": ,
  "smtpHost": "",
  "smptPort": ,
  "toEmailAddresses": [
    ""
  ],
  "fromEmailId": "",
  "EulaAcceptedDate": "",
  "additionalEmailAddressTo": "",
  "ciscoEmailAddressTo": "hcs-license-reporting@external.cisco.com",
  "sftpHostname": "",
  "sftpPort": ,
  "sftpUsername": "",
  "sftpPassword": "",
  "sftpUploadPath": "",
  "hcmfInstanceName": "",
  "hcmfUUID": null,
  "lcrtQuarterlyReportDates": "15-MAR, 15-JUN, 15-SEP, 15-DEC",
  "sftpEnabled":
}
```



Note For details on the fields, see *Configure Flex Usage Report* in *Cisco Hosted Collaboration Mediation Fulfillment Install and Configure Guide*

HTTP Error Code	Description
200	Success
500	Internal Server Error
403	Eula Not accepted

• POST

https://HCM-F_Server_IPaddress/sdr/rest/licenseManagement/configuration

Request:

```
{
  "providerName": "<String>",
  "reportScheduleTime": "<hh:mm:ss>",
  "reportScheduleDay": "<date>",
  "reportfrequency": "Monthly",
  "retentionPeriod": <In between 30-180>,
  "smtpHost": "",
  "smtpPort": <int>,
  "toEmailAddresses": "",
  "fromEmailId": "",
  "additionalEmailAddressTo": "",
  "ciscoEmailAddressTo": "",
  "sftpHostname": "",
  "sftpPort": <int>,
  "sftpUsername": "",
  "sftpPassword": "",
  "sftpUploadPath": <path to upload>",
  "hcmfInstanceName": "",
  "hcmfUUID": null,
  "sftpEnabled": <Boolean>
}
```



- Note**
- The mandator parameters are reportScheduleTime, reportScheduleDay, reportfrequency, retentionPeriod , toEmailAddress, fromEmailId, and ciscoEmailAddressTo.
 - SFTP details are optional and is required only for the report backup.
 - hcmfUUID is and auto generated value, and non-editable.

HTTP Error Code	Description
200	Success
500	Internal Server Error

HTTP Error Code	Description
403	Eula Not accepted
400	Validation Error

- To view the End-User Reporting Agreement (EURA) status:

GET https://HCM-F_Server_IPaddress/sdr/rest/licenseManagement/eulaStatus

Response:

```
{
  "eulaStatus": "Accepted",
  "eulaAcceptDate": "<Date of Acceptance>"
}

{
  "eulaStatus": "Not Accepted",
  "eulaAcceptDate": NA
}
```

HTTP Error Code	Description
200	Success
500	Internal Server Error

- To get the list of Flex License Usage summary report:

GET https://HCM-F_Server_IPaddress/sdr/rest/licenseManagement/Report

Response:

```
[
  {
    "reportName": "",
    "fileSize": <int>,
    "reportDate": "2019-03-26 03:29:34",
    "time": 1553596174000
  }
]
```

HTTP Error Code	Description
200	Success
500	Internal Server Error
403	EULA Not Accepted

- To download a Flex License Usage report with name:

GET https://HCM-F_Server_IPaddress/sdr/rest/licenseManagement/filename to download

Response:

```
{
  "partnerName": "",

```

```

"reportVersion": "1.0",
"businessReportVersion": "1.0",
"creationDate": "2019-03-27 02:56:39",
"startDate": "02-28-2019",
"endDate": "03-27-2019",
"productName": "",
"productUuid": "b6de95dd-ab58-41f7-8c91-e9b353b7f342",
"productVersion": "11.5.4.99000-9009",
"packageInfo": [
  {
    "customerName": "",
    "siteName": "NA",
    "flexSubscriptionId": "",
    "packageName": "",
    "unitsConsumed": <int>,
    "monthlyAverage": <int>,
    "maxUnitsConsumed": <int>
  }
]
}

```

Response:

```

{
  "partnerName": "Airtel",
  "reportVersion": "2.0",
  "businessReportVersion": "2.0",
  "creationDate": "2019-09-24 15:31:43",
  "startDate": "08-25-2019",
  "endDate": "09-24-2019",
  "productName": null,
  "productUuid": "1797af3e-4cbc-4b34-8385-ec648e4fe019",
  "productVersion": "12.5.0.98000-9005",
  "operationalVirtualAccount": "va-hcs-operational",
  "orderedVirtualAccount": "va-hcs-ordered",
  "smartAccountDomain": "hcs-intg.cisco.com",
  "orderRetrievalDate": "2019-09-24",
  "packageInfo": [
    {
      "customerName": "TestCustomer3",
      "siteName": "NA",
      "flexSubscriptionId": "",
      "licenseModel": "Named User",
      "packageName": "CER",
      "unitsConsumed": 3,
      "monthlyAverage": 3,
      "complianceStatus": "Out of Compliance",
      "estimatedTrueForwarding": -3,
      "maxUnitsConsumed": 3,
      "installed": 0
    }
  ]
}

```

HTTP Error Code	Description
200	Success
500	Internal Server Error
403	EULA Not Accepted
404	Report Not Found

- To trigger an On demand Flex License Usage report:

POST https://HCM-F_Server_IPaddress/sdr/rest/licenseManagement/Report

Response:

```
{
  "jobId": ""
}
```

HTTP Error Code	Description
200	Success
500	Internal Server Error
403	EULA Not Accepted
400	Already Running

- To get the Perpetual License Consumption data in Flex Report

GET

https://HCM-F_Server_IPaddress/sdr/rest/licenseManagement/Report/Perpetual/ReportName

Response:

```
{
  "partnerName": "Airtel",
  "reportVersion": "2.0",
  "businessReportVersion": "2.0",
  "creationDate": "2019-09-19 05:22:10",
  "startDate": "08-20-2019",
  "endDate": "09-19-2019",
  "productName": "TEST_HCMF",
  "productUuid": "hcs-intg.cisco.com",
  "productVersion": "12.5.0.98333-34",
  "operationalVirtualAccount": "HCS-VA-TEST",
  "orderedVirtualAccount": "HCS-VA-Ordered",
  "smartAccountDomain": "2019-09-19",
  "orderRetrievalDate": "null",
  "packageInfo": [
    {
      "customerName": "customer1;customer2",
      "siteName": "NA",
      "flexSubscriptionId": "NA",
      "licenseModel": "Perpetual",
      "packageName": "Hcs TelePresence",
      "unitsConsumed": "2260",
      "monthlyAverage": "NA",
      "complianceStatus": "NA",
      "estimatedTrueForwarding": "NA",
      "maxUnitsConsumed": "NA",
      "installed": "NA"
    },
    {
      "customerName": "customer1;customer2",
      "siteName": "NA",
      "flexSubscriptionId": "NA",
      "licenseModel": "Perpetual",
      "packageName": "Hcs Basic",
      "unitsConsumed": "100",
      "monthlyAverage": "NA",

```

```

        "complianceStatus": "NA",
        "estimatedTrueForwarding": "NA",
        "maxUnitsConsumed": "NA",
        "installed": "NA"
    },
    {
        "customerName": "customer1;customer2",
        "siteName": "NA",
        "flexSubscriptionId": "NA",
        "licenseModel": "Perpetual",
        "packageName": "Hcs Foundation",
        "unitsConsumed": "5875",
        "monthlyAverage": "NA",
        "complianceStatus": "NA",
        "estimatedTrueForwarding": "NA",
        "maxUnitsConsumed": "NA",
        "installed": "NA"
    },
    {
        "customerName": "Airtel",
        "siteName": "NA",
        "flexSubscriptionId": "sub00003",
        "licenseModel": "Perpetual",
        "packageName": "Hcs TelePresence",
        "unitsConsumed": "4520",
        "monthlyAverage": "NA",
        "complianceStatus": "NA",
        "estimatedTrueForwarding": "-4520",
        "maxUnitsConsumed": "NA",
        "installed": "0"
    },
    {
        "customerName": "Airtel",
        "siteName": "NA",
        "flexSubscriptionId": "sub00003",
        "licenseModel": "Perpetual",
        "packageName": "Hcs Basic",
        "unitsConsumed": "200",
        "monthlyAverage": "NA",
        "complianceStatus": "NA",
        "estimatedTrueForwarding": "-200",
        "maxUnitsConsumed": "NA",
        "installed": "0"
    },
    {
        "customerName": "Airtel",
        "siteName": "NA",
        "flexSubscriptionId": "sub00003",
        "licenseModel": "Perpetual",
        "packageName": "Hcs Foundation",
        "unitsConsumed": "11750",
        "monthlyAverage": "NA",
        "complianceStatus": "NA",
        "estimatedTrueForwarding": "-11750",
        "maxUnitsConsumed": "NA",
        "installed": "0"
    }
]
}

```

HTTP Error Code	Description
200	Success

HTTP Error Code	Description
500	Internal Server Error
403	EULA Not Accepted
400	Already Running

WADL Location for License Statistics REST Web Service

The WADL for the License Statistics REST Web Service along with the Shared Data Repository REST Web Service can be found at

https://HCM-F_Server_IPaddress:8443/sdr/rest/application.wadl.