



Overview

- [HCM-F Interfaces, on page 1](#)
- [Web Service Authentication and Authorization, on page 1](#)
- [Specifying Mandatory API Headers, on page 1](#)

HCM-F Interfaces

The Cisco HCS North Bound Web Service Interface is a REST interface that exposes HCM-F functionality to third parties. These APIs have the ability to configure, service, and control an HCM-F deployment. Refer to the following chapters for more information on the APIs that are broken down into distinct categories:

- Shared Data Repository Rest Web
- Fulfillment REST Web Service

Web Service Authentication and Authorization

Only an HCM-F admin user is allowed to read or edit data by using the Cisco HCS REST North Bound Web Service Interface. This authentication information is added to the incoming REST requests.

Specifying Mandatory API Headers

A client requesting HCMF API must send these headers against PUT, POST, DELETE HTTP methods for security.

Mandatory headers:

1. **Origin** or **Referer** (Specify any one):
(Value `https://<hostname of target> [":" <port>]`)
2. **X-Requested-With**:
(Value `XMLHttpRequest`)

```
Http REQUEST:  
POST https://HCM-F_Server_IPaddress:8443/sdr/rest/entity/Customer
```

```
-Header Origin:https://HCM-F_Server_IPaddress:8443
      X-Requested-With:XMLHttpRequest
{
  "shortName": "wall-e",
  "serviceProvider" : {
    "href" : "/sdr/rest/v10_0/entity/ServiceProvider/1"
  }
}
RESPONSE
HTTP 201 Created
/sdr/rest/v10_0/entity/Customer/1
```