



OpenBeds

Automated Bed Availability Technical Specifications

January 5, 2024

Table of Contents

| | |
|---|---|
| Overview | 3 |
| What is Automated Bed Availability? | 3 |
| Primary Objective | 3 |
| File Delivery | 4 |
| Example File Post | 5 |
| Post Fields | 6 |
| Best Practices | 6 |

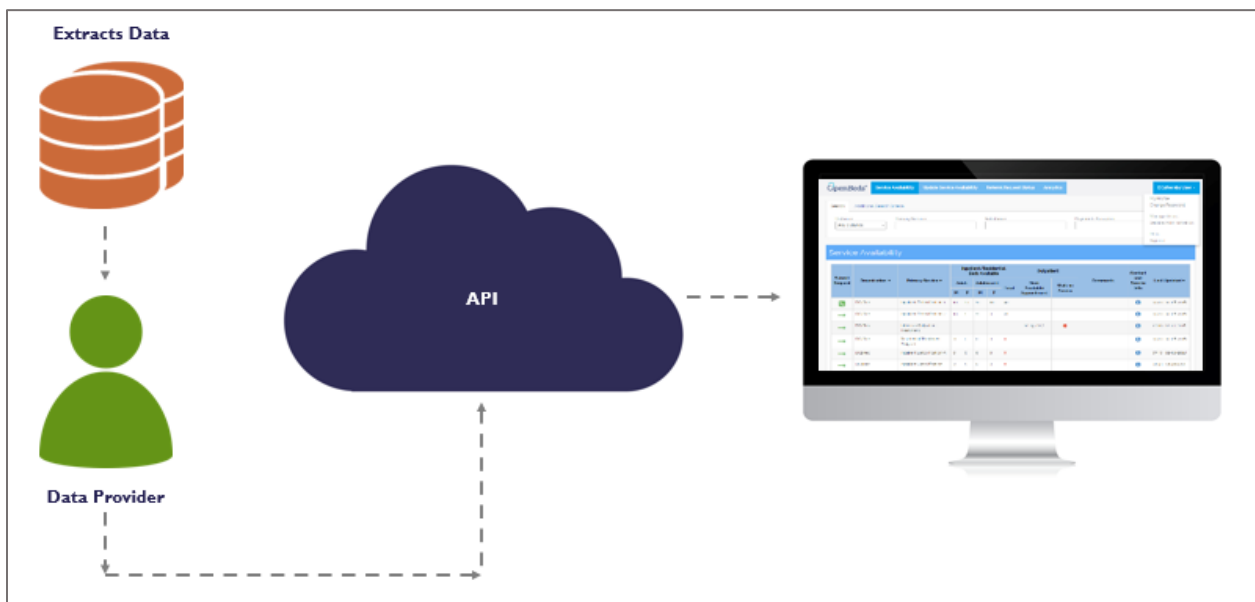
Overview

What is Automated Bed Availability?

Automated Bed Availability allows healthcare facilities to send real-time bed counts via automation and surface total bed availability within the BH SCAN web application. When Automated Bed Availability is configured, users will no longer need to manually update bed availability for their services. The goal of this solution is to optimize the bed availability workflow, increase accuracy in bed availability for referring providers, and place patients into available beds more efficiently.

Primary Objective

The primary objective is to ensure that the Bed Availability counts can be automatically updated in OpenBeds and the data matches between the source and target (Bamboo Health) systems for posts transmitted to Bamboo Health. This is summarized in Data Exchange Guideline:



File Delivery

The following defines how clients can share bed availability data with Bamboo Health via the Automated Bed Availability API.

| Endpoint to update Bed Availability of a single service | |
|---|--------------------------------------|
| Web UI | URL provided to you by Bamboo Health |
| HTTP Method | POST/PUT |
| Format | JSON |

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| Documentation Endpoints | |
|-------------------------|---|
| Web UI | https://editor.swagger.io/ |
| HTTP Method | GET |
| Format | YAML |

Example File Post

The following defines what clients should provide for Bamboo Health to surface bed availability data.

Single Service update example:

```
{
  "bh_api_version": "1",
  "module": "ob::pps::nc",
  "services": [
    {
      "id": "98f9ad9b-2521-4ddb-9edf-40each7ded95",
      "beds": {
        "total": 2
      }
    }
  ]
}
```

Multi-Service update example:

```
{
  "bh_api_version": "1",
  "module": "ob::pps::nc",
  "services": [
    {
      "id": "98f9ad9b-2521-4ddb-9edf-40each7ded12",
      "beds": {
        "total": 2
      }
    },
    {
      "id": "98f9ad9b-2521-4ddb-9edf-40each7ded45",
      "beds": {
        "total": 10
      }
    }
  ]
}
```

Post Fields

The following is a description of the fields included in the JSON post.

| Field | Format | Description |
|--------|---------|---|
| module | String | <ul style="list-style-type: none">• Required• This is provided to you by Bamboo Health |
| id | String | <ul style="list-style-type: none">• Required• Unique per service, provided to you by Bamboo Health |
| total | Integer | <ul style="list-style-type: none">• Required• Can be null or an integer• Null retains the previously submitted value but set the last updated timestamp to the time of this submission• Integer overwrites the previously submitted value and sets the last updated timestamp to the time of this submission |

Best Practices

- The payload header must include an authorization token, bh_api_version(current version is 1).
- Payload must be valid.

Revision History

| Date | Author | Version | Description |
|-----------------|------------------|---------|---|
| April 7, 2023 | Kathleen DaSilva | v1.0 | Initial proposal. |
| April 21, 2023 | Kathleen DaSilva | V1.1 | Updated Total description in Post Fields. |
| January 5, 2024 | Christina DePuy | V1.2 | Document format updating. |