Cloudbeds <> TicketBai Integration

We want to design and build an integration between Cloudbeds and the TicketBai reporting system in Basque Spain. This integration will daily pull guest data using Cloudbeds API and generate a report with a specific format, so that customers can download a file and upload it into the TicketBai portal for hotel owners/operators.

The integration will be built in Python following the Python Hybrid Integrations specification. Additional environment details will be provided when development begins, as referenced in the Environment section. The work consists of handling authorization to Cloudbeds API, pulling data from the Cloudbeds API, transforming it into the format needed for the SEF WebAPI, posting a response back to Cloudbeds, and emailing the file to a designated email address (each of our customers will specify an email address).

Work and Deliverables

Cloudbeds Authorization
Authentication using API keys.
The hotel adds the application to the marketplace and grants the application permission to access via the API.
Property data is sent to the redirect URL, which is the endpoint of our integration (middleware).
Exchange of this data for an API key, store this key for this property in Redis
Each property will get a unique key, this is included in the header to authorize the request.

The app will allow properties using Cloudbeds to set a time that the report is emailed each day.
Property timezone can be retrieved from the getHotels endpoint.
Extracting data from Cloudbeds endpoints
Retrieving data from the getReservations, getReservationsWithRateDetails, and/or getGuests endpoint
Use getReservations checkInFrom and checkInTo to get guests who checked in during the relevant dates, status should be "checked_in"
Your estimate should include work to map between Cloudbeds API endpoints and fields to TicketBai fields, and validate this with MARSHALL before proceeding. This will require translation, as TicketBai documentation and examples are in Spanish, and Cloudbeds API is in English.

Note: TicketBai is launching an API next year. This integration should be extensible to leverage that API when available.

More Information

Please provide an estimate for the points above.
Cloudbeds Details
Contact: Marshall Knauf

See attached documents for examples and other information from TicketBai
Cloudbeds API - https://hotels.cloudbeds.com/api/v1.1/docs/
Cloudbeds API Keys Quickstart Guide
Cloudbeds Authentication with API Keys

Environment

The following will be provided when development begins:

Slack Channel with Cloudbeds
Cloudbeds Partner Account
Team and Repo in Github