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| **# Payload Reference** |
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| The system exchanges inventory information using a JSON payload with the following fields: |
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| | Field | Type | Description | |
| | ----- | ---- | ----------- | |
| | `item\_id` | string | Unique identifier for the inventory item | |
| | `expiry\_date` | string (ISO 8601) | Expiration date in UTC | |
| | `location` | string | Physical or logical location of the item | |
| | `device\_id` | string | Identifier for the RFID reader or IoT device that captured the scan | |
| | `timestamp` | string (ISO 8601) | Time the scan was recorded | |
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| **## Sample Payload** |
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| ```json |
| { |
| "item\_id": "ITEM\_001", |
| "expiry\_date": "2025-03-15T12:00:00Z", |
| "location": "Shelf\_A1", |
| "device\_id": "READER\_42", |
| "timestamp": "2024-05-01T08:30:00Z" |
| } |