



## How to Compare and Verify Barcodes for Pick, Pack and Delivery Lists: A/B Barcode Compare

The purpose of A/B Compare is to compare two barcode scans. If the second scan matches the first scan then a Valid response is shown to the app-user. If they don't match then an Invalid response is shown to the app user. For this option internet connectivity is required.

### Application examples

Pick, Pack, Delivery Lists: The app user scans the barcode on list and then scans the barcode on the item to validate. You can then optionally have the app user scan secondary barcodes and collect other information using form fields, menus, photos and signatures.

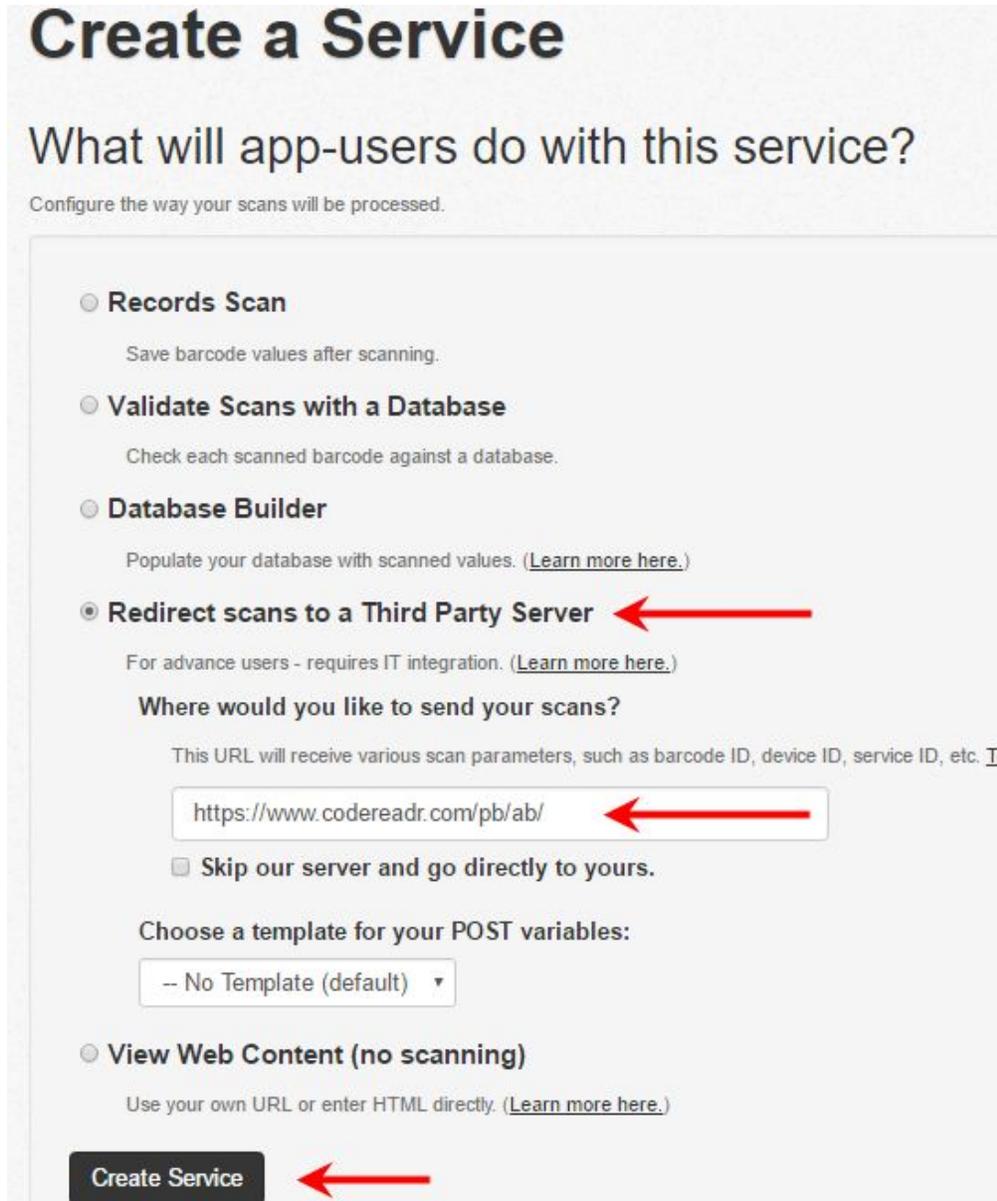
**Barcode Scanning Accessory.** You can scan barcodes using a USB, Bluetooth or barcode scanning sled [accessory](#). This is the fastest option because the app-user doesn't need to tap the app's screen to scan or submit if a) the accessory includes a **carriage return** after each scan (a standard feature of most accessories) and b) you turn on Auto-Next Scan on the Advanced step (see below).

**Camera.** You can scan with the built-in camera of the Android or iOS device. This is the most cost effective because you don't need to buy an accessory device. However, the scanning process is slower because **for the second scan** the app-user needs to tap the app's screen to scan and submit.

## Step by Step Instructions

**Step 1.** Click 'Create a Service' and then check 'Redirect Scans to a Third Party Server' (in this case, it's one of our servers). You will need to paste this Postback URL in the form field as shown below: <https://www.codereadr.com/pb/ab/>

Be sure to insert the URL exactly as shown without any spaces. Do not select a Template. When done, click 'Create Service'.



**Create a Service**

What will app-users do with this service?

Configure the way your scans will be processed.

- Records Scan**  
Save barcode values after scanning.
- Validate Scans with a Database**  
Check each scanned barcode against a database.
- Database Builder**  
Populate your database with scanned values. ([Learn more here.](#))
- Redirect scans to a Third Party Server** ←

For advance users - requires IT integration. ([Learn more here.](#))

**Where would you like to send your scans?**

This URL will receive various scan parameters, such as barcode ID, device ID, service ID, etc. [Te](#)

←

Skip our server and go directly to yours.

Choose a template for your POST variables:

- View Web Content (no scanning)**  
Use your own URL or enter HTML directly. ([Learn more here.](#))

**Create Service** ←

**Step 2.** Name your Service for the app-user to select when signed into the app. Add an optional description if helpful.

**Step 3.** Authorize app users ('Users') to scan with this Service. Add new Users as needed.

**Step 4.** Add the prompt to the app user to make the second scan. We call those prompts 'Questions' but they can be questions or statements.

>> If you are using an **accessory** to scan choose the question type **Short Answer (Manual)** which is a single line entry.

>> If you are using the Android or iOS device's built-in **camera** with or without [SD PRO](#) choose the question type **Short Answer (Barcode)**.

# Add a Question

**Service Availability**  
Make this question available to:

All Services Pick the Service (or use for All) →

**Question**  
Question to prompt the user with

← Label the prompt

**Answer Type**  
How the user will answer

Short Answer ← Use this option

**Single Line**    **Multiple Line**    **Numeric Entry**

**Enable 'Scan Barcode' option to scan in answer with device's camera.**

↑ The app user will have the option to enter it with the device's keyboard or scan in an answer.  
Check if using the device's camera

Save ('**Submit**') that question and then drag and drop it from the Available Questions to '**Ask before submitting any scan**'.



**IMPORTANT:** If you want the app user to also scan the barcodes of every **item** on the list (not just the compare barcode), create another prompt. Use **Short Answer (Manual Multiline)** when using a barcode scanning accessory and drop it to only prompt the app use 'After submitting a valid scan'. If you have the carriage return suffix enabled with your accessory then the app user can quickly scan those barcodes sequentially and then tap Submit when done.

**Step 5.** On the Advanced step select '**Auto-Next Scan**' which will automatically open the camera for the next scan.

## Capturing:

- Alter Scan Value ([Learn More](#))
- Alter Response Value ([Learn More](#))
- Auto-Next Scan (pauses for answer input) ←
  - Only when valid. ←  
Halts when result is invalid or connection fails while scanning online.
  - Always. (Save if error.)  
If connection fails, log a record on-device and continue.
  - Always. (Discard if error.)  
If connection or database fails, discard scan record and continue.
- Disable Camera Scan.
- Disable Manual Scan.
- Enable Kiosk Mode ([Learn More](#)) ← **Optional**

### Enter kiosk mode configuration (example):

Only specify the attributes you need.

```
{  
  "pin": "1234"  
}
```



You can optionally enable the [Kiosk Mode](#) which blocks access to the app's settings and other buttons. You can also use Apple's [Guided Access](#) feature or similar Android apps to restrict the use of the device to the codeREADr app and select apps and features.

## Optional Parameters

There are three optional parameters for the Postback URL:

<b>match_qid</b>	Specify the codeREADr question ID that represents <b>B value</b> when that question is not the first prompt for that service.
<b>valid_text</b>	Specify custom response text to use when A <b>matches</b> B.
<b>invalid_text</b>	Specify a custom response text to use when A <b>does not match</b> B.
<b>Example</b>	<a href="https://www.codereadr.com/pb/ab/?match_qid=663652&amp;valid_text=Nice%20Job&amp;invalid_text=Try%20Again">https://www.codereadr.com/pb/ab/?match_qid=663652&amp;valid_text=Nice%20Job&amp;invalid_text=Try%20Again</a>  Note: Since the URL cannot have spaces, if you add text with spaces you need to put <b>%20</b> where the space would normally go.

**The match\_qid option is particularly useful if you want to collect additional information with each match.** If you have any questions please email support for a quick response.

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