

## Custom Validation: Overrides using Keywords

### **BEFORE\_A, BEFORE\_B**

Define a time before which the scan response will be Invalid but the app user can override to create a Valid result.

### **KEYWORD**


Use a keyword that presents an Invalid result that the app user can override to create a Valid result.

### **ALWAYS\_VALID**

A value with this attribute will always be valid even if a duplicate value.

Using this script you can stop the scanning process with an Invalid response to allow the app user to override it with a Valid response. **The service configuration involves a Middleware script, a Custom Question, Alter Response HTML, and Keywords in Database.**

The first step is to create a Validate Scans Online service type.

 Your service type is **Validate Scans Online**  
This cannot be changed.

Name

Check Time or ID. Select Value as Always Valid.

Description

Provides instructions to users after the service is selected. Can include HTML - See [our knowledge base](#) for more information.

What database would you like to validate your scans against?

Database:

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show **Custom Validation** or [create a new one](#)

What should be the status of duplicate scans?

☐ Valid

A duplicate scan will have a valid result.

☒ Invalid

A duplicate scan will have an invalid result.

☐ Reset duplicate checking automatically

Specify when and optionally how often you want to reset checking for duplicate scans. ([Learn more here.](#))

[Reset duplicate check now](#)

Would you also like to use a pattern to validate scans not in the database?

☐ Apply a Validation Pattern

You can define the pattern using a simple code match, or regular expression.

## A. Middleware

Note: You must ask the support team ([support@codereadr.com](mailto:support@codereadr.com)) for access to Middleware. When activated you will see this on the Advanced step when creating/editing your services.

### Capturing:

Edit Middleware (1)

[The Middleware script is available here.](#)

You will need to make some text entries to the Middleware script. Scanning will stop under these conditions and require the app user to either confirm or “X” out (discard) the scan. The **yellow highlighted keywords** need to be in the [response text of the database value](#). The keywords can be changed but must match in the Middleware and the response text, i.e. if you use “WORKER” in the Middleware then “WORKER” must be in the response text..

1. You can have multiple time validations in the Middleware script:

```
const beforeMap = {"BEFORE_A": "18:00", "BEFORE_B": "17:00"};
```

The time is UTC. The time(s) can be changed as needed.

2. You can have multiple keywords in the Middleware script:

```
const keywords = ["WORKER", "CHECK ID"];
```

3. You can make values always be valid:

```
const alwaysValidKeywords = ["ALWAYS_VALID"];
```

In the Middleware, you need to enter [your API Key](#):

```
const apiKey = "ENTER_API_KEY_HERE";
```

You can optionally change the question's answer:

```
/* This is question answer needed to override warning scans */
```

```
const overrideApprovedAnswer = "Override Approved";
```

Important: If you do change the answer from “Override Approved” to different text,

It must match the custom question's answer option. Here's the Custom Question section that needs to be changed:

```
<div class='checkbox-toolbar'>
  <input type='checkbox' oninput='fireAnswerForCR("ansId")' id='ansId'
  name='answer' value='Override Approved' />
  <label for='ansId'>Override Approved</label>
</div>
```

When creating your Custom Question you will see the Question ID QID). Copy that and enter it here:

```
const overrideQID = "ENTER_QUESTION_ID_HERE";
```

## B. Custom Question

You must [copy/paste this HTML](#) into the Custom Question field when creating the question. If you don't change “Override Approved, ” you do not need to edit this HTML.

# Edit Question

## Question Prompt

How the user will be prompted for question ID 3050305.

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## Question Type

The type of prompt for the user (this cannot be changed)

### Custom Question

#### Answers

☐ Custom Question (URL)

Allows for collecting answers from a webpage online. [Learn More](#)


☒ Custom Question (HTML)

Allows for collecting answers from a webpage offline. [Learn More](#)

HTML

```
<!DOCTYPE html>
<html>
<head>
  <title>Custom Question</title>
  <meta charset="UTF-8"> <!-- Ensure proper encoding -->
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

You need to drag and drop the question here on the Questions tab when creating your services:


 Valid Scan

▼

Ask after submitting a valid scan

+


Drop any Question here








 Invalid or Error Scan

▼

Ask after submitting a non valid scan

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## C. Alter Response HTML

You need to copy and paste [this Alter Response HTML](#) in the “Alter Response Replacement” field on the Advanced step when creating your services. You need to enter this pattern in the “Alter Response Pattern” field: `^([\s\S*])$`

## Capturing:

Edit Middleware (1)

☐ Alter Scan Value ([Learn More](#))

☒ Alter Response Value ([Learn More](#))

Alter Response Pattern:

Regular expression to parse barcode's response..

`^([\s\S]*)$`

Alter Response Replacement:

Replacement response as a result of Pattern match.

```
<html>
<head>
<title>Alter Response</title>
<meta name="viewport" content="width=device-width, initial-
scale=1.00" />
```

### D. Keywords in the Database Response Text

For the Middleware to stop the scanning process for potential overrides, the response text in the service's associated database must include the same keywords as entered in the Middleware script (see above). If the keyword matches, the app user will be given the option to accept or reject the override. If there is no match, then the scanning process proceeds as it normally would.

The keyword can be in the response text alone or include associated data, e.g. descriptions, instructions, etc.



**Value:** cv\_000000

**Response:** ALWAYS\_VALID



**Value:** cv\_000001

**Response:** BEFORE\_A



**Value:** cv\_000002

**Response:** BEFORE\_B



**Value:** cv\_000003

**Response:** WORKER



**Value:** cv\_000004

**Add a response**

#