

Background: A UPC code is normally 12 digits, including a check digit as the last character in the string. You want to lookup and validate a scanned UPC code whether or not it includes the check digit. To do that, the script below is written to accept a scan without the check digit.

Create a "Validate On-Device" service type with a database of UPC codes (or any 12-digit strings). Copy the text from <script> to </script> and paste it into the field on the Advanced Step under "Enable on-device custom validation." If you scan a barcode with or without the 12th digit, the app will return a valid response.

```
<script>
function crCustomValidate(data) {
  if (data.scanStatus != 1) {
    var barcode = data.scanValue;
    if (barcode.length == 11) {
      let searchResults = window.CRHOOK.dbSearch(""+barcode, false, null, false, "1", 1,
true);
      let results = JSON.parse(searchResults);
      if (results.length > 0) {
        return JSON.stringify({
          "scanValue": "" + barcode,
          "scanStatus": "" + results[0].isValid,
          "scanResponse": "" + results[0].response
        });
      }
    }
  }
  return JSON.stringify(data);
}
</script>
```

Note: The above records the scanned value. To include the check digit in the scan record then replace line:

"scanValue": "" + barcode,

with line

"scanValue": "" + results[0].value,