



# Release Notes: Release Ready

SabreSonic CSS Digital Connect

Version 4.2.1

## **Software Version 4.2.1**

### **Document Edition 1.5 (March 2020)**

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# Introduction

## 1.1 Document Overview

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This document contains release notes information for *SabreSonic CSS Digital Connect*® Release 4.2.1. Read this document so that you are aware of changes to the solution.

## 1.2 Release Identification

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<b>Release Version</b>	<b>Type (Version, Update, or Patch)</b>	<b>Date</b>	<b>Approved By</b>	<b>Description of Change</b>
4.2.1	Patch	March 2020	Rafał Hołub, Joyce Schofield	Software updated.

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# Release Features

## 2.1 Summary of Features

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- [Enhance Mutation Rule - CKIN status](#)

The following sections explain more detail about the new item.

### 2.1.1 Enhance Mutation Rule - CKIN status

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Airlines have been using "unknownticket" mutation rule to block certain PNRs in post-booking flows. This rule disallows any PNRs that have any VCR status codes other than: EXCH, OK, USED, therefore the mutation rule was limited to only three VCR status Codes.

Now POS/Airline has an option to handle VCR having status like CKIN, which enhances POS to process PNRs having various VCR statuses using Configuration.

*Digital Connect* v4.2.1 introduces the new mutation rule. Now there is one generic rule that lets us send the allowed Statuses in the rule itself, which can give us more flexibility in the future.

The new mutation rule has the same logic that has been designed for "unknownticket" mutation rule, which reads the list of VCR status from the configuration and allows PNRs to have the status to perform the configured operations.

#### 2.1.1.1 Highlights

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New rule **allowedTicketStatus** has been developed with expressions: [OK,USED,VOID,CKIN, etc.] for Checkin itinerary. Once this rule is enabled and property is set to true (**sat.pnr.search.retrievalBookingAllowedForCheckInStatus= true**) the Passenger is able to retrieve Bookings and perform various operations supported by *Digital Connect*.

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## Defect Fixes

### 3.1 Summary of Defects

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The following sections explain more detail about the defects.

- [Brand missing on confirmation page for Poli bookings](#)
- [UPGRADE - Ancillary message displayed on page load when no ancillaries on PNR](#)
- [The upgradable fee in Trip Total included fees for the waitlisted segments](#)
- [DCC - Partial payments \(Points / TB / GV\) should be allowed to use with DCC as 2nd FOP](#)
- [PASS - FF details not updated on MYB landing page after removing details](#)
- [MiscService failure: Missing agreements between AR and partner AU](#)
- [Ancillaries cache isn't refreshed on change of FF number](#)
- [MYB - EXCHANGE - AE element Payment required status and incorrect value displayed on MYB Landing page \(after exchange completed\)](#)
- [AWARD Booking Failure](#)
- [PNR with Infant \(100% Points\) blocked from exchange flow](#)
- [POLi, AliPay and CUP showing as AFOP on Confirmation Page](#)
- [Partial points sufficiency \(forcing Points + Pay\) - No CC panel displayed and no Call to Action on Payment page displayed. User in error state](#)
- [Poller not cancelling PNR upon DECLINED transaction](#)
- [Flight Schedules empty](#)
- [Passengers unable to add seats in MYB: MTO](#)
- [Fraud check failure due to incorrect gender format](#)

#### 3.1.1 Brand ID missing in the Purchase API response for POLi bookings

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<b>JIRA #:</b> DC-7875	<b>iCRM#:</b> 04255885
<b>Title:</b> Brand ID missing in the Purchase API response for POLi bookings	

**Description:**

There was no brand displayed on Confirmation Page for POLi bookings (which is displayed for bookings paid with Credit Card). Brand ID has not been included in Purchase Call response (a source of data for the Confirmation Page). *Digital Connect* was populating BRND SSR in PNR response from getReservation but those SSRs were not populated in "/purchase" response.

*Digital Connect* does not add BRND SSR. It is added by the HOST directly. "/purchase" response returns the SSRs that the Passenger has added during the booking flow, not the SSR added by HOST directly. That behavior is the same for all FOPs.

**Resolution:**

Fix has been provided In Purchase API response to incorporate BRAND ID in the response and it has resolved the issue.

### 3.1.2 UPGRADE - Ancillary message displayed on page load when no ancillaries on PNR

**JIRA #:**

DC-7809

**iCRM#:**

04074842

**Title:**

UPGRADE - Ancillary message displayed on page load when no ancillaries on PNR

**Description:**

If the original booking included EMDs (ancillary EMDs and/or Payment Surcharge/Booking and Service EMDs) and a Passenger desired to be upgraded, when they landed on 'Flight Upgrades' page a message was displayed informing that previously selected extras will be removed upon upgrading. That message was confusing if there were no ancillaries in the original booking.

Expected result was to have an ability to differentiate between ancillary EMDs and Payment Surcharge/Booking and Service EMDs and trigger message only when ancillary EMDs on PNR. For Payment Surcharge/Booking and Service EMDs no message should be displayed.

**Resolution:**

Config/logic has been introduced not to display the message when the booking has only a PSC/subcode 99.

If this code is included among other ancillary codes such as 0B5, 0CC, 0CD, B9A, 0LT the message can be displayed.

Property "sat.ssr.ancillaries.mybAllowedStandaloneAncillaries":"PSC" has been configured in properties.json

### 3.1.3 The upgradable fee in Trip Total included fees for the waitlisted segments

**JIRA #:**

DC-7808

**iCRM#:**

04074809

**Title:**

The upgradable fee in Trip Total included fees for the waitlisted segments

<p><b>Description:</b></p> <p>If a Passenger had an upgradable segment and waitlisted segment and was trying to apply upgrade for both, application displayed the waitlist (upgradable) fee in the Total Trip. However, since the fee for the waitlisted segment is not collected until the segment is confirmed, this amount should be included in the Total Trip</p> <p>Only what is billable at the time of upgrade should be shown in the Total Trip cost.</p> <p>In the product response products total should include only upgraded confirmed offers. <i>Digital Connect</i> was returning total for both confirmed and waitlisted offers.</p>
<p><b>Resolution:</b></p> <p>A code fix has been implemented - in the product response products totals include only upgraded, confirmed offers.</p>

**3.1.4 DCC - Partial payments (Points / TB / GV) should be allowed to use with DCC as 2nd FOP**

<p><b>JIRA #:</b></p> <p>DC-7047</p>	<p><b>iCRM#:</b></p> <p>03912487</p>
<p><b>Title:</b></p> <p>DCC - Partial payments (Points / TB / GV) should be allowed to use with DCC as 2nd FOP</p>	
<p><b>Description:</b></p> <p>DCC offer has not been triggered for partial payments and a Passenger was not able to finalize payment for the following FOP combinations: Travel Bank + Pay (DCC)/Gift Card + Pay (DCC)/Points + Pay (DCC).</p> <p>First FOP was not passed while retrieving offer from API /paymentOptions/dcc/getOffer and there was an error due to the price discrepancy.</p>	
<p><b>Resolution:</b></p> <p>Fix has been provided to retrieve the offer for the first AFOP (its state is maintained).</p>	

**3.1.5 PASS - FF details not updated on MYB landing page after removing details**

<p><b>JIRA #:</b></p> <p>DC-7794</p>	<p><b>iCRM#:</b></p> <p>03478281</p> <p>03478304</p> <p>03449744</p>
<p><b>Title:</b></p> <p>PASS - FF details not updated on MYB landing page after removing details</p>	
<p><b>Description:</b></p> <p>When a Passenger attempted to remove Frequent Flyer (FF) details via MYB Passenger Info, the action seemed to be successful, however all details were still visible when a Passenger landed back on MYB landing page.</p> <p>Passenger should be able to remove their FF and replace it with another or remove it completely. If the Passenger clicks on Passenger info, FF details should no longer be visible on the Passenger page and Remove option should replace the Add option.</p>	

**Resolution:**

On landing page FF details are not updating, after fix the FF details will be updated as expected.

### 3.1.6 MiscService failure: Missing agreements between AR and partner AU

**JIRA #:**

DC-7992

**Title:**

MiscService failure: Missing agreements between AR and partner AU

**Description:**

As the way the AE is sold and displayed and how PNR GetReservation shows the information is that the Owner carrier is "AR" and therefore *Digital Connect* must use "AR" when issuing EMD (CollectMiscFeeRQ).

*Digital Connect* is using AR (and AU) when issuing EMD but Interact is not sending the operating carrier element.

*Digital Connect* was unable to fulfill EMDs as response is: MiscService failure: Missing agreements between AR and partner AU.

In the case of a commuter or wet lease type agreement, *Digital Connect* will need to send AR as the operating carrier in the CollectMiscFeeRQ, just as Interact is doing. This should not be done for a true codeshare, but only for commuters when can be determined by the \*\* in the AE.

**Resolution:**

Updated the code by reading the required fields from UpdateReservationRQ and populating into CollectMiscFeeRQ.

*Digital Connect* code has been fixed to correctly process "commuter/wet-lease" cases, not treating as code share, as the Operating carrier for AE and EMD issue in these cases should be AR (not AU). Operating carrier is shown correctly "AR" in GetReservationRs.

Implementation for *Digital Connect* was done having iEMD special agreement enabled to allow *Digital Connect* to issue EMD under AU treating as operating carrier, therefore avoiding EMD issue failure in AR/AU\* wet lease cases.

### 3.1.7 Ancillaries cache isn't refreshed on change of FF number

**JIRA #:**

DC-8196

**Title:**

Ancillaries cache isn't refreshed on change of FF number

**Description:**

Once ancillary response was cached in *Digital Connect*, it returned the same value irrespective of change in Passengers FF number. Downline call should be made to get fresh ancillaries' response to get latest price/discounts.

**Resolution:**

Once Passenger details are updated after loading ancillaries and if there is any change in FF number, cache will be discarded, and downline call will be made again to get latest prices.

If you have selected any ancillary and then changing the FF number, that selection will be lost, and you have to reselect the ancillary.

### 3.1.8 MYB - EXCHANGE - AE element Payment required status and incorrect value displayed on MYB Landing page (after exchange completed)

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<b>JIRA #:</b> DC-8370	<b>iCRM#:</b> 04420004
<b>Title:</b> MYB - EXCHANGE - AE element Payment required status and incorrect value displayed on MYB Landing page (after exchange completed)	
<b>Description:</b> There was timing check between EMD and last created documents hence re-association of ancillary was failing.	
<b>Resolution:</b> This issue has been fixed to avoid check between EMD and last created document.	

### 3.1.9 AWARD Booking Failure

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<b>JIRA #:</b> DC-8257	<b>iCRM#:</b> 03928011
<b>Title:</b> AWARD Booking Failure	
<b>Description:</b> In case of 3DS payment when the PNR had a non-refundable ancillary and the booking was cancelled (not finished), Poller tried to cancel it when sat.mto.purchasedAncillariesModificationAllowed = true. PNR failed on the creation and Miles were not redeposited. This check should be disabled in case of Poller.	
<b>Resolution:</b> We fixed the issue to throw the exception and allow the flow to continue.	

### 3.1.10 PNR with Infant (100% Points) blocked from exchange flow

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<b>JIRA #:</b> DC-8383	<b>iCRM#:</b> 04264569
<b>Title:</b> PNR with Infant (100% Points) blocked from exchange flow	
<b>Description:</b> If the booking including INF was paid with points, then INF ticket has been issued as cash with a zero value (not converted to points). That was the reason why MFOP (Multiple Form of Payment) was triggered and PNR with Infant (100% Points) was blocked from the exchange flow. The Passenger was not able to exchange PNR with Infant due to the below rule (MFOP blocked with exchange): <ul style="list-style-type: none"><li>Exchanges are not allowed when the expression in Exchange Guest and Exchange Logged-in has "multiFormsOfPayment"</li></ul>	

**Resolution:**

The behavior of the "multipleFormsOfPayment" rule has been changed, so it checks if the payment is 0 or null and ignores it (update the rule and filter 0 or Null payments before we check for MFOP).

### 3.1.11 POLi, AliPay and CUP showing as AFOP on Confirmation Page

<b>JIRA #:</b> DC-8423	<b>iCRM#:</b> 04438304
<b>Title:</b> POLi, AliPay and CUP showing as AFOP on Confirmation Page	
<b>Description:</b> If a Passenger created Revenue booking using any AFOP (POLi, China Union Pay, or AliPay), the payment list under the shopping cart on Confirmation page just said 'AFOP' (did not show POLi as POLi). Expected result was to reflect the exact payment method used (CUP, AliPay or POLi).	
<b>Resolution:</b> POLi, AliPay and CUP code and sub codes was not getting populated from first purchase request. It has been fixed - Code and Sub codes are coming in Second purchase response.	

### 3.1.12 Partial points sufficiency (forcing Points + Pay) - No CC panel displayed and no Call to Action on Payment page displayed - User in error state

<b>JIRA #:</b> DC-7873	<b>iCRM#:</b> 04250265
<b>Title:</b> Partial points sufficiency (forcing Points + Pay) - No Credit Card panel displayed and no Call to Action on Payment page displayed - User in error state	
<b>Description:</b> When a logged-in Passenger was in the RBE Flow and wanted to pay with Points and Credit Card, after setting the slider to points and CC payments and clicking "Update Cart", the second AWARD call was made but the second response was empty (no response data).  The Passenger remained in the same state as prior to page refresh. The points slider remained expanded and the values did not change. The shopping Cart values did not change and did not match the value of the Points slider. CC panel was not displayed, and the Passenger was in error state.	
<b>Resolution:</b> Fixed the issue by initializing the award Amount to the selected Award Amount (that the Passenger selected from the slider). Before the fix when page was refreshed, we were initializing with the default amount which would cause issues when the FF account has low miles.  After the fix CC panel is displayed and a passenger is able to enter CC details and process payment after playing around the slider.	

### 3.1.13 Poller not cancelling PNR upon DECLINED transaction

<b>JIRA #:</b> DC-8534	<b>iCRM#:</b> 04477391
<b>Title:</b> Poller not cancelling PNR upon DECLINED transaction	
<b>Description:</b> Cancel workflow was not being called for single FOP when the payment was not successful.	
<b>Resolution:</b> The behavior of Poller in case of a single form of payment has been altered. Previously, in the case of an unsuccessful payment transaction (single FOP), the PNR was not being cancelled under the Poller flow. The change calls the cancel PNR workflow in a single FOP if the payment has been unsuccessful until the last Poller run.	

### 3.1.14 Flight Schedules empty

<b>JIRA #:</b> DC-8845	<b>iCRM#:</b> 04584964
<b>Title:</b> Flight Schedules empty	
<b>Description:</b> This issue affected /products/air/flight/schedules services, when a Passenger searched from CITY code instead of airport code, the service returned an empty data.	
<b>Resolution:</b> After code fix in internal library the service works as before.	

### 3.1.15 Passengers unable to add seats in MYB: MTO

<b>JIRA #:</b> DC-8565	<b>iCRM#:</b> 04491005  04491072
<b>Title:</b> Passengers unable to add seats in MYB: Manage Trip Options	
<b>Description:</b> When attempting to add seats through Manage Your Booking: Manage Trip Options (MYB: MTO), passengers received an error.	
<b>Resolution:</b> The issue was caused by an error in PricingTravelExtraTOsMapper, tax.getPoints(). When calculating base points there was an exception due to inability to perform null unboxing as tax points were null. Optional has been added to resolve the issue.	

### 3.1.16 Fraud check failure due to incorrect gender format

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<b>JIRA #:</b> DC-9094
<b>Title:</b> Fraud check failure due to incorrect gender format
<b>Description:</b> Fraud check has been failing due to incorrect gender format sent in the request. As per FraudCheck schema, gender should be sent using M/F format, while <i>Digital Connect</i> sent gender as Male/Female. Gender has not been sent before <i>Digital Connect</i> 4.2 release.
<b>Resolution:</b> <i>Digital Connect</i> has been updated not to send gender in Fraud Check request.