

Knowledge Base 8.0

Service update 6

Release Notes

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Knowledge Bases 8.0 Service update 6 - Summary

Knowledge Bases 8.0 Service update 6 (SU6) consists of this document and patches for echo, CCT and CMR. It was originally derived from, and identical to 8.1 SU2, and that DHF location contains additional details. The patches are identical.

This service update corrects a handful of node errors first noted in the Echo.Adult KB that exists if the KB had been patched from earlier versions to 7.0, 8.0, or 8.1.

Affected nodes are branches which cannot be opened by RW. The problem is caused by a stray incorrect “plural” attribute introduced in version 7.0. This attribute causes no problem in released KBs, but the patch application generates an incorrect final node. To fix it, we release patches that correct the node attributes. The exact same nodes are affected in 7.0 and 8.1 releases.

Affected nodes in echo, requiring fixes, are:

- 40379 Tricuspid valve | Measurements
- 303983 Systemic arteries | Aortic measurements | Ascending aorta 2D
- 303998 Systemic arteries | Aortic measurements | Aortic arch 2D
- 304007 Systemic arteries | Aortic measurements | Descending aorta 2D
- 304016 Systemic arteries | Aortic measurements | Brachiocephalic 2D
- 304023 Systemic arteries | Aortic measurements | Aortic root Doppler
- 304027 Systemic arteries | Aortic measurements | Ascending aorta Doppler
- 304038 Systemic arteries | Aortic measurements | Coarctation
- 304031 Systemic arteries | Aortic measurements | Descending, abdominal Doppler

Affected nodes in CCT, requiring fixes, are:

- 303837 Systemic arteries | Aortic measurements
- 303851 Systemic arteries | Aortic measurements | Ascending aorta
- 303860 Systemic arteries | Aortic measurements | Aortic arch
- 303871 Systemic arteries | Aortic measurements | Descending aorta

Affected nodes in CMR, requiring fixes, are:

- 272457 Tricuspid valve | Measurements
- 303907 Systemic arteries | Aortic measurements | Ascending aorta
- 303925 Systemic arteries | Aortic measurements | Aortic arch
- 303939 Systemic arteries | Aortic measurements | Descending aorta
- 306038 Systemic arteries | Aortic measurements | Coarct

Insignificant affected nodes in all KBs, not requiring a fix, are:

- 204283 Indications | Signs, symptoms | Signs and symptoms | Cardiac/respiratory | Generalized cardiac
- 204285 Indications | Signs, symptoms | Signs and symptoms | Cardiac/respiratory | Respiratory

Introduction

This document describes the changes included in the **final** release of the ASCEND knowledge base version 8.0 service update 6 (SU6).

The changes described in this document are categorized as “features,” “enhancements” or “resolved issues.”

- **Features** - new capabilities that have been added which required changes to functional requirements of a knowledge base.
- **Enhancements** - incremental improvements that were made to the knowledge base, but which still fit within the existing requirements for a feature or function.
- **Resolved Issues** - repairs to defects that resulted in the failure to meet existing stated or implied requirements.

Tables that provide the following information are included for each modality:

- **ID** – a number that is assigned by ASCEND’s internal tracking system, Helix ALM, which can be used to trace the item through its development history.
- **Description** – a description of the change that was made within the knowledge base to either add, enhance, or repair a respective feature, enhancement or issue.
- **CP Codes** – where applicable, the CP code of the affected node(s) within the knowledge base is provided so that users with administrative and/or configuration privileges can quickly locate them when using a configuration tool such as SRCT.

Patching Instructions

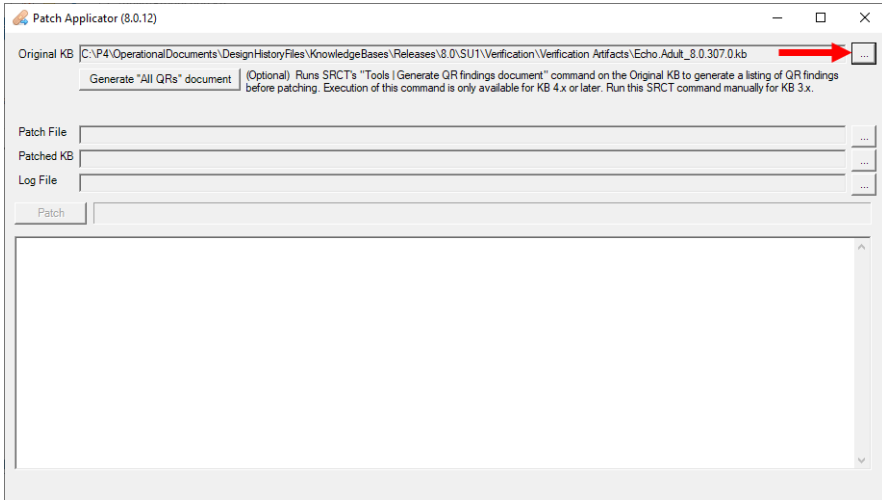
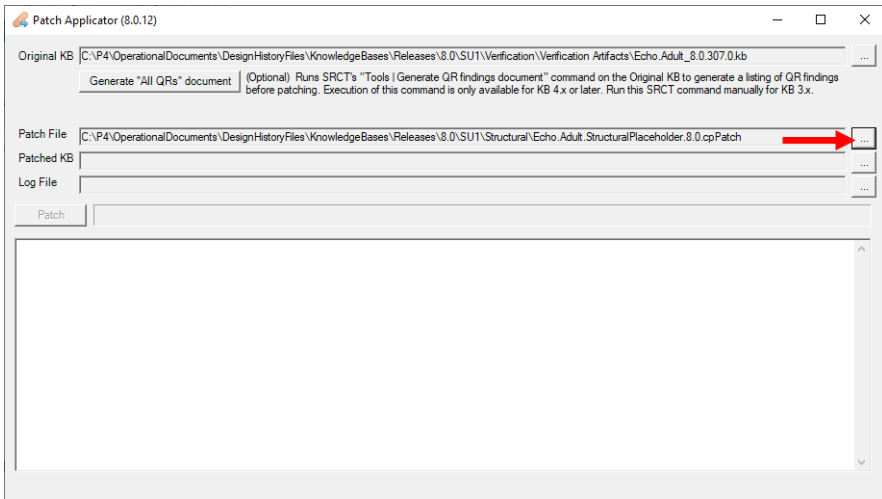
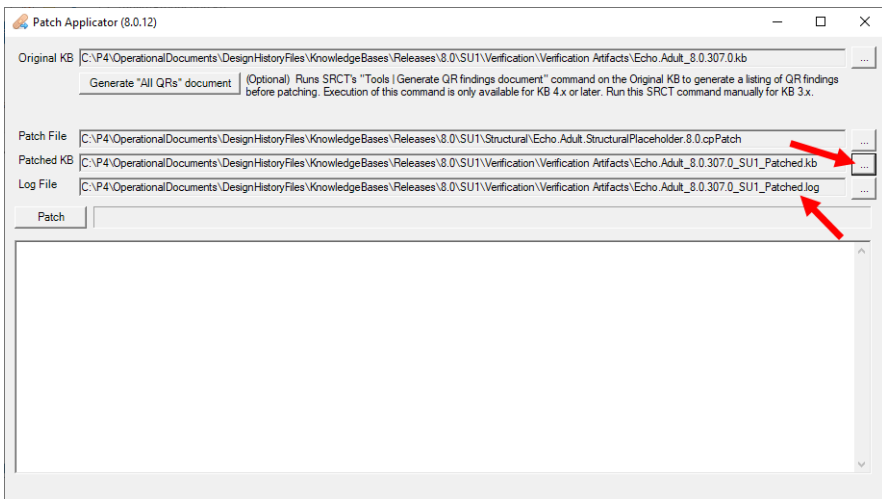
The 8.0 SU6 release repairs errors produced when earlier KBs are patch-upgraded to 8.0. The 8.1 released KBs do not contain the error, so they do not require a fix.

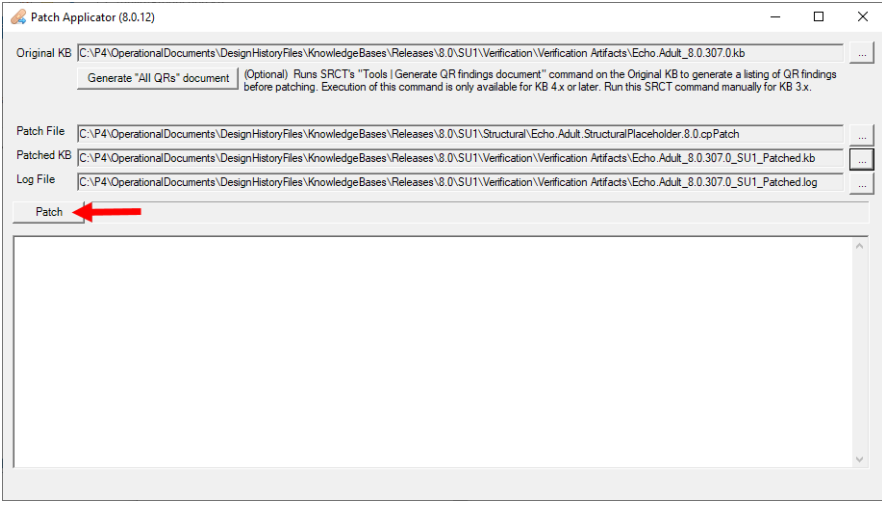
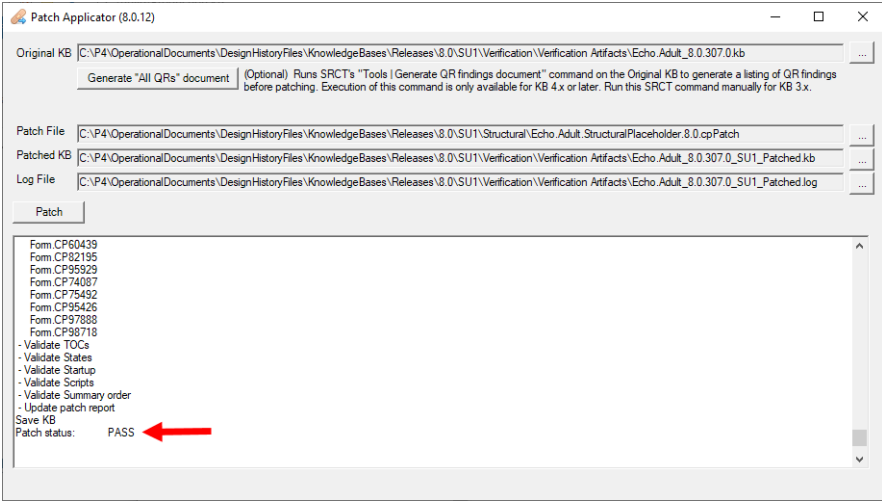
This service update contains patches that should be applied to the Echo.Adult KB, Echo.Peds KB, CCT KB, and CMR KB.

General Patch Application Instructions

The present service update includes patches that should be applied to multiple knowledge bases using patch applicator. Instructions on the use of patch applicator are provided below. **NOTE: The patches provided in 8.0 SU6 must be applied using Patch Applicator 8.0 or later.**

	Action	Explanation/Data
1	Download the KB to be patched through KBE.	These patches apply to the version 7.0, 8.0, and 8.1 knowledge bases. The patch name begins with the knowledge base to which it may be applied.

	Action	Explanation/Data
2	Using Patch Applicator 8.0.10 or greater, select the ellipsis next to the Original KB field and navigate to and select the KB to be patched.	 <p>Patch Applicator (8.0.12)</p> <p>Original KB: C:\P4\OperationalDocuments\DesignHistoryFiles\KnowledgeBases\Releases\8.0\SU1\Verification\Verification Artifacts\Echo_Adult_8.0.307.0.kb</p> <p>Generate "All QRs" document (Optional) Runs SRCT's "Tools Generate QR findings document" command on the Original KB to generate a listing of QR findings before patching. Execution of this command is only available for KB 4.x or later. Run this SRCT command manually for KB 3.x.</p> <p>Patch File: [Empty]</p> <p>Patched KB: [Empty]</p> <p>Log File: [Empty]</p> <p>Buttons: Patch, [Ellipsis]</p>
3	Select the ellipsis next to the Patch File field and navigate to and select the patch that is to be applied.	 <p>Patch Applicator (8.0.12)</p> <p>Original KB: C:\P4\OperationalDocuments\DesignHistoryFiles\KnowledgeBases\Releases\8.0\SU1\Verification\Verification Artifacts\Echo_Adult_8.0.307.0.kb</p> <p>Generate "All QRs" document (Optional) Runs SRCT's "Tools Generate QR findings document" command on the Original KB to generate a listing of QR findings before patching. Execution of this command is only available for KB 4.x or later. Run this SRCT command manually for KB 3.x.</p> <p>Patch File: C:\P4\OperationalDocuments\DesignHistoryFiles\KnowledgeBases\Releases\8.0\SU1\Structural\Echo_Adult_StructuralPlaceholder.8.0.cpPatch</p> <p>Patched KB: [Empty]</p> <p>Log File: [Empty]</p> <p>Buttons: Patch, [Ellipsis]</p>
4	Select the ellipsis next to the Patched KB field and enter a name for the patched KB. NOTE: The Log File field will be populated automatically upon naming the patched KB.	 <p>Patch Applicator (8.0.12)</p> <p>Original KB: C:\P4\OperationalDocuments\DesignHistoryFiles\KnowledgeBases\Releases\8.0\SU1\Verification\Verification Artifacts\Echo_Adult_8.0.307.0.kb</p> <p>Generate "All QRs" document (Optional) Runs SRCT's "Tools Generate QR findings document" command on the Original KB to generate a listing of QR findings before patching. Execution of this command is only available for KB 4.x or later. Run this SRCT command manually for KB 3.x.</p> <p>Patch File: C:\P4\OperationalDocuments\DesignHistoryFiles\KnowledgeBases\Releases\8.0\SU1\Structural\Echo_Adult_StructuralPlaceholder.8.0.cpPatch</p> <p>Patched KB: C:\P4\OperationalDocuments\DesignHistoryFiles\KnowledgeBases\Releases\8.0\SU1\Verification\Verification Artifacts\Echo_Adult_8.0.307.0_SU1_Patched.kb</p> <p>Log File: C:\P4\OperationalDocuments\DesignHistoryFiles\KnowledgeBases\Releases\8.0\SU1\Verification\Verification Artifacts\Echo_Adult_8.0.307.0_SU1_Patched.log</p> <p>Buttons: Patch, [Ellipsis]</p>

	Action	Explanation/Data
5	Click the Patch button to apply the patch and save the patched KB.	
6	<p>When the patch installation is completed, the Patch status will be revealed at the bottom of the applicator dialog.</p> <p>NOTE: The patch applicator reports errors and warnings in the KB, and this does not imply that the patch failed or that it caused these errors or warnings. If the status is “PASS”, then the patch worked and can be tested.</p> <p>If the patch application fails, please contact ASCEND Informatics.</p>	
7	Patch Applicator automatically saves the updated KB with the name provided in the Patched KB field.	This patch <u>will not</u> alter the version number of the knowledge base or its compatibility with SRCT or Report Wizard.

Testing the Patch

	Action	Image/Explanation
1	Open the patched KB in SRCT 8.0	Test the file in RW and make sure the branches open.



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