

AFLCMC/C3CW

Engineering Design Document for

OMNI_PEX

Crew Builder Client - CBC

[Bug 12467 CBC - Responsive Mission Scroller](#)

Created By: Rahsaan Pringle
Today's Date: 07/24/2025
Requested Push Date: TBD

1. Change Description and System Information

1.1 System Name and Identification

System Name:	Crew Builder Client
System Acronym:	CBC
Configuration Item Name and Acronym	Crew Builder Client – CBC
Version Number:	1.0.23
Sprint(s):	78
Change Description:	This change corrects some incorrect spacing and sizing in the header.
Change Purpose:	Correct incorrect spacing and sizing in the header.
Impact if change is not approved:	The header would have incorrect spacing and sizing.

1.2 Required Firewall Modifications:

1.3 Personally Identifiable Information

2. Network

2.1 External Interfaces

Domain/Network	Interfaces	Information Description	Information Exchange Attributes
N/A	N/A	N/A	N/A

2.2 IP address

Device Name	Private IP Address	System Name	Additional Information
N/A	N/A		N/A

2.3 Internal Interfaces

Container / Module / Code Base	Internal Interfaces	Information Description	Information Exchange Attributes
N/A	N/A	N/A	N/A

2.4 IP Address

Device Name	Private IP Address	System Name	Additional Information
SGBP-WS-02P	131.7.1.131	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX03P	131.7.1.132	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX04P	131.7.1.133	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX05P	131.7.1.134	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX07P	131.7.1.136	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX08P	131.7.1.137	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX10P	131.7.1.139	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
SGBP-WS-EPEX11P	131.7.1.142	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
BXCR-AS-SRV51P	214.27.220.51	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers
BXCR-AS-SRV52P	214.27.220.52	PEX	DL360 Gen 9, Windows Server 2016, GOTS Application ePEX, Web servers

3. Hardware and Software Lists

3.1. Hardware List

Hardware	Manufacturer Model	COTS/ GOTS Operati ng Sys	Function	Hardware
SGBP-WS-EPEX02P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX02P
SGBP-WS-EPEX03P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX03P
SGBP-WS-EPEX04P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX04P
SGBP-WS-EPEX05P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX05P
SGBP-WS-EPEX06P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX06P
SGBP-WS-EPEX07P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX07P
SGBP-WS-EPEX08P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX08P
SGBP-WS-EPEX10P	DL360 Gen9	COTS Windows Server 2016	OMNI Staging Web Server	SGBP-WS-EPEX10P
SGBP-WS-EPEX11P	DL360 Gen9	COTS Windows Server 2016	OMNI Production Web Server	SGBP-WS-EPEX11P

3.2 Software List

Component	Language	Version	Function
	TypeScript	V5.4.5	
	TypeScript	V5.4.5	

3.3 Languages

TypeScript v.5.4.5

4. Security Scans, Testing & Help Documents

4.1. Send security scans in POAM format

Attachment provided:

Fortify Scan Results:

The screenshot displays the Fortify Scan Results interface. The main window is titled "Project Summary" and shows the following details:

Build ID:	PEX.CrewBuilderClient	Build Label:	<No Build Label>
Files:	110	Source Last Modified Date:	Jul 17, 2025, 10:09:00
Executable LOC:	5,219	Total LOC:	37,557

The "Files" section lists the following file details:

File Name	LOC	File Size	Date
build-pipeline.yml	297 Lines	11.3 KB	Jun 23, 2025, 6:57:08 AM
index.html	16 Lines	Jan 21, 2025, 12:39:35 PM	
jest.config.js	25,627 Lin...	1.1 MB	Jan 21, 2025, 12:39:35 PM
package-lock.json	81 Lines	2.9 KB	Jun 23, 2025, 6:57:08 AM
package.json			
silent-check-sso.html	1 Lines		Jun 18, 2024, 3:56:43 PM
src (96)		599.1 KB	
App.tsx	39 Lines	1.8 KB	Jun 23, 2025, 6:56:40 AM
__generated__ (3)		279.7 KB	
common (42)		130 KB	

The "Analysis Trace" pane is visible at the bottom left, and the "Functions" pane on the right shows "Top-level functions".

4.2 Describe all testing:

Test Cases: Justin Coop

- [Test Case: 11905](#)

1. Navigate to Flying Schedule
2. Create a Mission with multiple sorties
3. Click on the Crew Builder Client icon on one of the sorties
4. Choose a sortie and click + Add Crew
5. Delete one or more of the crew members.
6. Verify that the progress bar appears while loading instead of the circular spinner

4.3 Is there a Help File? No.

5. Code/Change Review

5.1. Reviewer Names:

- **Code Reviewed By: JJ Escandor, Rahsaan Pringle**
- **EDD Reviewed By: Phillip Hassoun**

5.2. Review code for

Readability: There are no redundant comments.

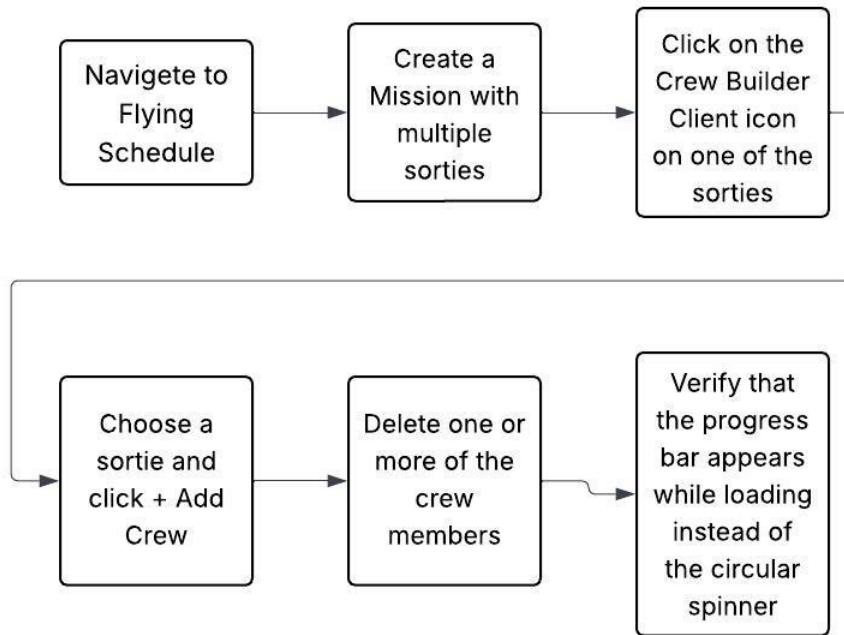
Security: There are no security risks.

Test coverage: No more test cases required.

Architecture: This code makes use of a design pattern for encapsulation, modularization, and containerization.

Reusability: The code makes use of proper reusable data grid component.

6. Data Flow Diagram



7. Logical Connection Diagram

CUI

CUI