

Scenario ID	JIRA ID name
1	IDB Install from Admin Menu
2	IDB Install from Admin Menu
	IDB Install from Admin Menu

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Scenario Description

Scenario Description:

The user needs to be able to install implants via the UI rather than the command line. This includes viewing the available implants on an IDB and selecting which implants they want included.

This ticket captures the work required to create this UI, which will be accessible via the "Software Install" launcher screen.

From the "Software Install" launcher screen, upon pressing the "Install Implants" button, the user will be navigated to the "Install Implants" screen.

The "Install Implants" screen will prompt the user to connect their IDB USB to continue. The "Begin Installation" button will be disabled until a valid USB is connected.

Once the USB is connected, the software will display a list of all available implant designs present in the IDB, organized by application type (TKA and UKA).

By default, none of the implants should be selected. The user will select the implant designs they want to install, which will highlight them in orange (similar to how we indicate selecting in all other parts of the UI).

The "Confirm" button will be disabled until at least one implant design is selected.

An integrity check needs to be run prior to installing any files.

Upon pressing "Confirm", the software will display a progress bar with percentage and a box for error codes.

Upon completion of the IDB installation, a dialog box will be displayed:

Title: Installation Complete

Description: For your changes to take effect, please restart your system."

Button: OK

Definition of Done:

Selecting the "Install Implants" button on the "Software Install" launcher screen navigates the user to the "Install Implants" screen

The "Begin Installation" button is disabled until a USB is connected

The user is able to view a list of implants available on the USB and select the ones they want to install

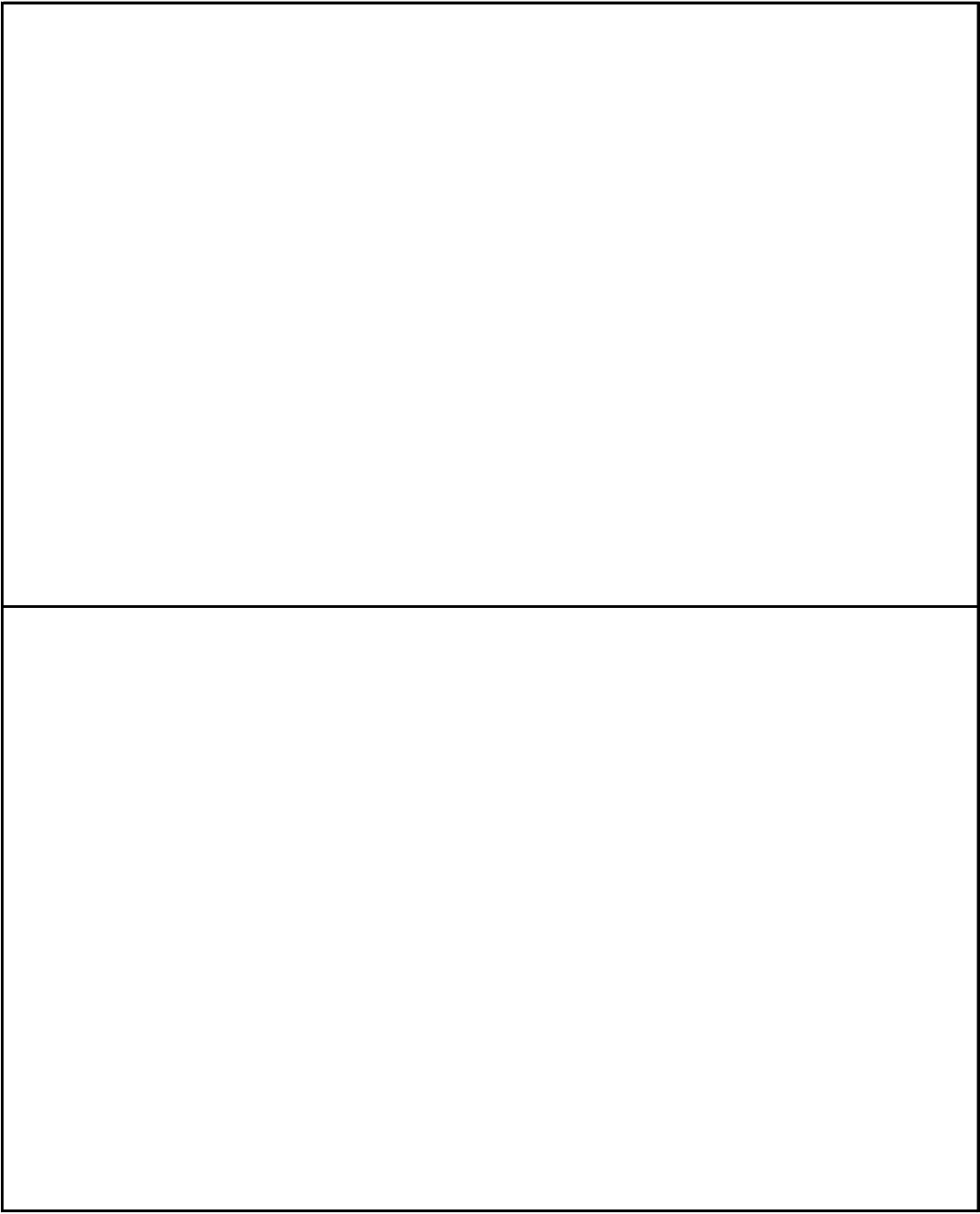
An integrity check is performed on the IDB file

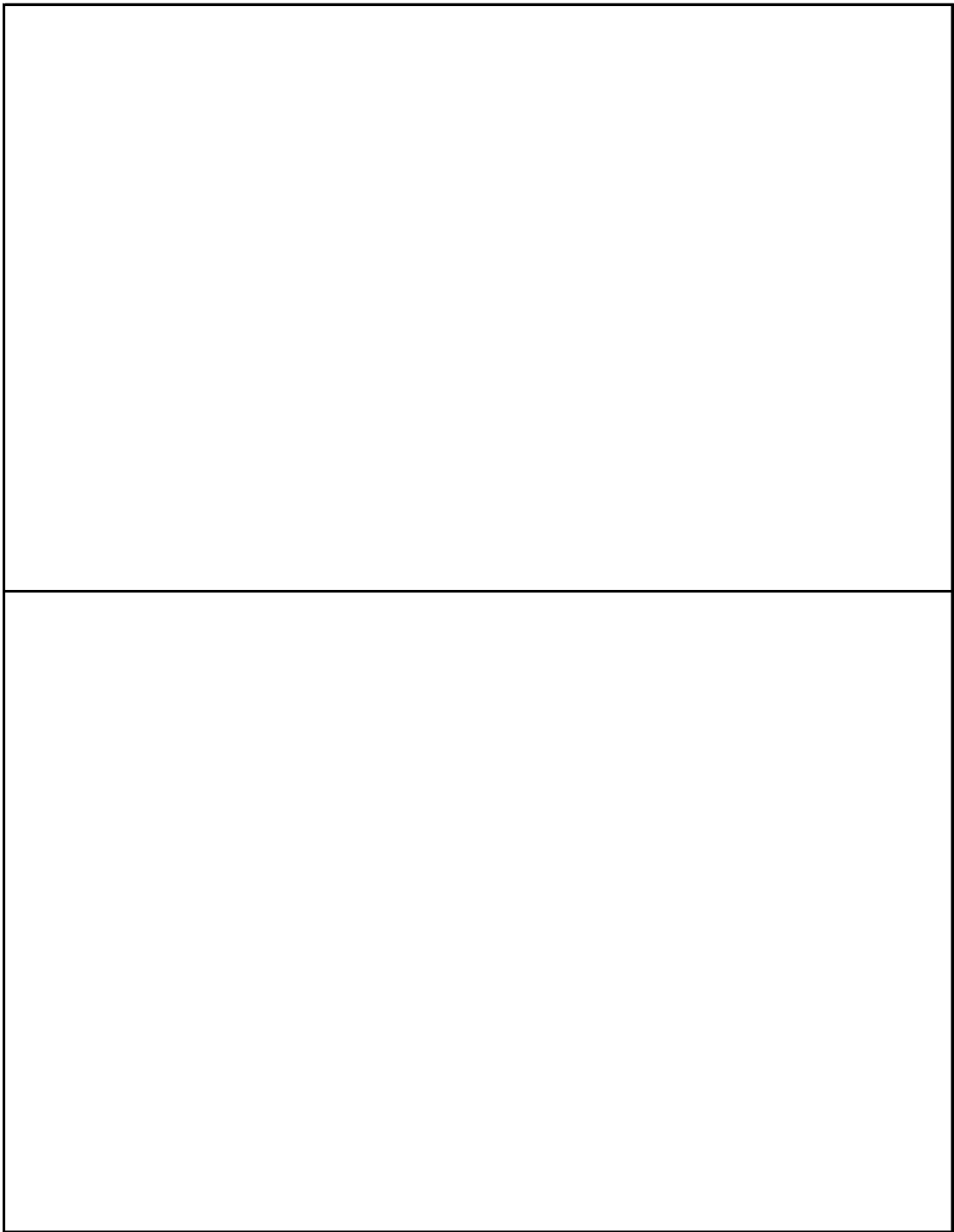
A progress bar is shown to the user along with error codes during installation

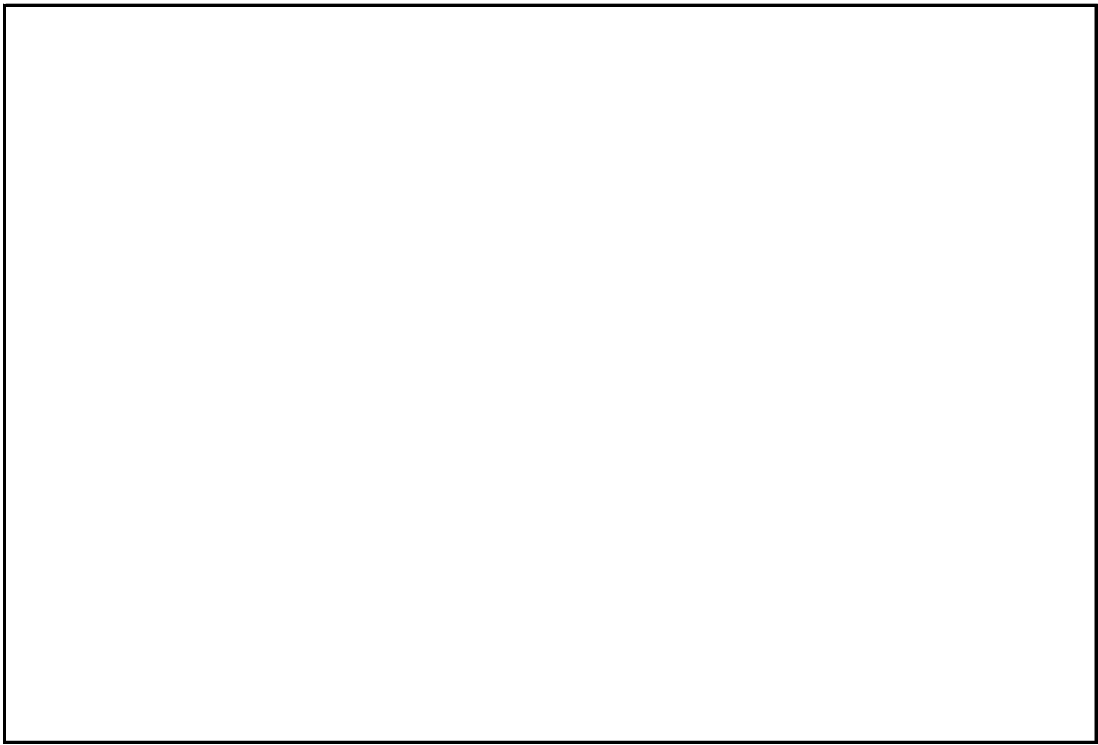
Upon completion, a dialog box is displayed to instruct the user to restart their system

Testing Strategy: Not added

Tools Used: N/A







Feature	System Requirement	Subsystem Requirement	Positive
IDB Installation	N/A		<p>Scenario: Verify that the Install Implants button is present in Software install screen</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Verify that Install Implants button is present.</p>
IDB Installation	N/A		<p>Scenario: Verify that the "Install Implants" screen is displayed with Begin Installation button, instruction to connect USB and exit button upon pressing install implants button.</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Click on Install implants -> Verify that the Install Implants screen is displayed with Begin Installation button, instruction to connect USB and exit button</p>
IDB Installation	N/A		<p>Scenario: Verify that the "Begin Installation" button is enabled on connecting USB with supported format.</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> Verify that the Begin Installation button is enabled</p>

IDB Installation	N/A		<p>Scenario: Verify that the software will display a list of all available implant designs present in the IDB, organized by application type (TKA and UKA) with confirm and exit button on pressing "Begin Installation" button.</p> <p>Pre-requisite: USB contains valid IDB files</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button-> Verify that the software will display a list of all available implant designs present in the IDB, organized by application type (TKA and UKA) with confirm and exit button.</p>
IDB Installation	N/A		<p>Scenario: Verify that the by default none of the implants should be selected.</p> <p>Pre-requisite: USB contains valid IDB files</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button-> Verify that the list of implants is displayed and by default none of the implants should be selected.</p>

			<p>Scenario: Verify that the "confirm" button gets enabled on selecting the 1 implant and selected implant is highlighted with orange colour .</p> <p>Pre-requisite: USB contains valid IDB files</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button -> Select any 1 implant from the list -> Verify that the "confirm" button gets enabled and selected implant is highlighted with orange colour .</p>
			<p>Scenario: Verify that the "confirm" button gets enabled on selecting the multiple implants and selected implants are highlighted with orange colour .</p> <p>Pre-requisite: USB contains valid IDB files</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button -> Select multiple implants from the list -> Verify that the "confirm" button gets enabled and selected implants are highlighted with orange colour.</p>

			<p>Scenario: Verify that the software will display a progress bar with percentage, a box for error codes and exit button.</p> <p>Pre-requisite: USB contains valid IDB files</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button -> Select multiple implants from the list -> Click on confirm button -> Verify that the software will display a progress bar with percentage, a box for error codes and exit button.</p>
			<p>Scenario: Verify that the software will display "Installation complete" confirmation after IDB installation completes</p> <p>Pre-requisite: USB contains valid IDB files</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button -> Select multiple implants from the list -> Click on confirm button -> wait for installation to complete -> Verify that the software displays "Installation complete" confirmation with message "For your changes to take effect, please restart your system." and Ok button.</p>

			<p>Scenario: Verify that the software will display list of implants on information screen after IDB installation completes.</p> <p>Pre-requisite: USB contains valid IDB files</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button -> Select multiple implants from the list -> Click on confirm button -> wait for installation to complete -> Press OK on the confirmation -> Reboot the system -> From start screen click on info widget -> Verify that the software displays the list of implants on information screen.</p>
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Negative	Boundary Analysis
<p>Scenario: Verify that the Begin Installation button is disabled when USB is not connected to the console.</p> <p>Pre-requisite: Do not connect USB to the console.</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Verify that Begin Installation button is disabled.</p>	
<p>Scenario: Verify that the Begin Installation button is disabled on connecting USB with unsupported format.</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect USB with unsupported format -> Verify that the Begin Installation button is disabled</p>	

<p>Scenario: Verify that the software will display error message on pressing "Begin Installation" button when USB contains invalid USB files.</p> <p>Pre-requisite: USB contains invalid IDB files</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button-> Verfiy that the error message is displayed.</p>	

<p>Scenario: Verify that the "confirm" button is disabled when none of the implants are selected.</p> <p>Pre-requisite: USB contains valid IDB files</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button -> do not select any implant from the list -> Verify that the "confirm" button is disabled</p>	

<p>Scenario: Verify that the software will display an error message when user disconnect USB from the console when installation is in Progress.</p> <p>Pre-requisite: USB contains valid IDB files</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button -> Select multiple implants from the list -> Click on confirm button -> disconnect the USB while installation is in Progress -> Verify that the software displays an error message.</p>	

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State Transition	Combination Testing
<p>Scenario: Verify that the Software install screen is displayed on pressing exit button on Install Implants button.</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Press exit button -> Verify that the Software install screen is displayed on pressing exit button.</p>	<p>Scenario: Verify that the "Begin Installation" button remains disabled on connecting and disconnect USB multiple times.</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect and disconnect supported USB format mutiple times -> disconnect the USB -> Verify that the Begin Installation button is enabled each time the USB is connected.</p>
	<p>Scenario: Verify that the "Begin Installation" button remains enabled on connecting and disconnect USB multiple times.</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect and disconnect supported USB format mutiple times -> connect the USB -> Verify that the Begin Installation button is enabled each time the USB is connected.</p>

	<p>Scenario: Verify that the user is able to install IDB after connecting and disconnect USB multiple times.</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect and disconnect supported USB format mutiple times -> connect back USB with valid IDB files -> click on Begin installation -> Select multiple implant designs -> click on confirm button -> Verify that the installation Process completes with confirmation pop up displayed and user is able to install IDB after connecting and disconnect USB multiple times.</p>
<p>Scenario: Verify that the Software install screen is displayed on pressing exit button on Install Implants button.</p> <p>Pre-requisite: USB contains valid IDB files</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button-> Click on Exit button -> Verify that the Software install screen is displayed on pressing exit button on Install Implants button.</p>	<p>Scenario: Verify the behavior of software on disconnecting USB on Install Software screen.</p> <p>Pre-requisite: USB contains valid IDB files</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button-> Select few implants -> disconnect the USB -> Verify the behavior of software on disconnecting USB on Install Software screen.</p>
	<p>Scenario: Verify that the implants gets deselected on selecting the implant, exiting and navigating back to Install implants screen.</p> <p>Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Click on Install implants -> Click on Begin installation -> Select few/all the implants -> clixx on exit -> click on install software -> click on Begin Installation -> Verify that none of the implants are selected or highlighted with orange colour.</p>

Scenario: Verify that the Software install screen is displayed on pressing exit button on Install Implants screen.

Pre-requisite: USB contains valid IDB files

Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button-> Select few implants -> click on confirm button -> Click on Exit button when installation is in progress-> **Verify that the Software install screen is displayed on pressing exit button on Install Implants button/exit button is disabled when installation is in Progress**

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Scenario: Verify that the system will get reboot/navigates to Software Install screen on Pressing ok button in confirmation pop-up

Pre-requisite: USB contains valid IDB files

Steps: Login via Primary/Standard Admin credentials -> Click on Software Install button -> Connect supported USB format -> click on Begin Installation button -> Select multiple implants from the list -> Click on confirm button -> wait for installation to complete -> Press OK on the confirmation -> **Verify that the system will get reboot/navigates to Software Install screen on Pressing ok button in confirmation pop-up.**

Comment/Queries	Internal Review
1. Since IDB will no longer get install from Terminal and we need to install via UI. We need to update the existing TC's for the same as well.	

<p>1. What error message will be displayed on trying to install implants when USB connected does not contain valid files. Requirement or any description related to this is not present.</p> <p>2. What will happen when user disconnect the USB in "Install implants screen" where list of implants is displayed. Any notification will be displayed or user is navigated back to Install Implant screen with begin Installation button?</p>	

What will happen when user presses exit button when installation is in Progress?

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| <p>1. Do we need to manually reboot the system or system will automatically gets reboot on Pressing ok button.</p> <p>2. What will happen when user presses the OK button - Navigate to any screen or system will get reboot?</p> <p>3. Earlier when we used to install IDB with few implants, the existing setting gets override. For eg: if we have implants Journey II BCS and XR already installed in our system and now when we are try to install the new implant design Legion PS the existing designs will be replaced with new one's. This functionality will be remain same or the implant will get appended to the existing installed implants?</p> | |
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Fix after internal review	Linked JIRA ID
	Linked Epic:

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