

# USA's Giant Aerospace Manufacturer

The major US aviation manufacturer was in the process of upgrading from Mule version 3.9 to Mule version 4.4. This document represents a deep dive into changes made in this upgrade.

<b>Industry</b> Aerospace	<b>Solution</b> Mule Upgrade from 3.9 to 4.4	<b>Location</b> USA
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## CLIENT OVERVIEW

The major US aviation manufacturer was upgrading from Mule version 3.9 to Mule version 4.4. This document represents a deep dive into changes made in this upgrade including but not limited to updates for various connectors, file handling procedures, configuration paths, and more. It also addresses some of the challenges faced during migration.

## BUSINESS CHALLENGES



### Compatibility of Connectors

In the migration from Mule 3.9 to Mule 4.4, many of the connectors became deprecated or their functionality changed.



### Changes in File Handling

The changes in the connector types precipitated changes in file handling methods. Incoming and outgoing file handling needed an upgrade from old file connectors to their newer versions.



### Changes in Configuration Path

Upgrade changed the configuration path for the various applications. Configuration files needed to move from the old directories into new ones



### Service Migration

The migration of services from the deprecated Webportal system to the new CMP was an uphill task of having all services migrated correctly and working in a new environment.



### Bug Outcomes

During migration, a number of bugs were encountered, where stuck processes were happening regarding inbound files, fields in responses were missing, and payment processing failed.

## BUSINESS SOLUTIONS



### New Connectors

Created and implemented new, fresh connectors in Mule 4.4 while retiring the obsolete old ones.



### Configuration Paths Standardization

Standardized the setting paths across the applications, making the system more organized and easier to manage.



### Service Migration

17 services running on the obsolete Webportal were successfully migrated to the CMP system for continued availability and management.



### Resolved Migration Issues

Key issues arising in the upgrade have been addressed and fixed to make the upgrade to Mule 4.4 seamless.

## HIGHLIGHTS

- Some major updates were made to the connectors.
- Standardization and updating configuration paths to uniform configuration paths were done in various applications. The actual Service migration involved moving 17 services from the old Web portal system into CMP.
- The Agusta file handling flows were migrated to CMP. The file paths were also updated to reflect the new places of storage.
- Various issues identified were fixed on file processing, accuracy in response fields, and credit card payment processing during migration.