

Desktop Underwriter® (DU®) Messages API

DU Messages API August Update

Integration Impact Memo

July 6, 2021

During the weekend of **August 20, 2021**, Fannie Mae will update Desktop Underwriter® (DU®) Messages API with the following enhancements:

- The HTTP status code 404 will fire for requests with an invalid casefile ID
- The HTTP status code 500 will fire for requests which encounter an unexpected system error

Note: This change will apply to both versions of DU Messages API (version 1.1 and version 2.0). For more information regarding the enhancements in version 2.0, please see the [August 2020 impact memo](#).

How will this affect my integrated system?

In order to align DU Messages API with REST API best practices and simplify the parsing of error scenarios without having to open the response payload, the following scenarios will no longer fire a 200 HTTP status code:

- For a request with an invalid casefile ID, the API will return a status code of 404 and the invalid casefile ID message.
- For a request that encountered an unexpected system error, the API will return a status code of 500

Integrators must validate whether receiving a 404 or 500 status code will impact their current parsing logic and update the parsing logic accordingly in such instances.

Note: A 200 HTTP status code will continue to fire for the following scenarios:

- Valid casefile ID and incorrect zipcode in the request URL
- Valid casefile ID and incorrect lastname in the request URL
- Valid casefile ID and incorrect universalloanidentifier in the request URL



Sample Before and After	
Before	After
HTTP Status Code: 200 OK Response Body: <pre>{ "messages": { "message": [{ "msgId": 1020, "msgCategory": "invalid_data", "msgDesc": "InvalidCasefileId", "msgText": "Casefile ID does not exist. Please re-submit with a valid Casefile ID." }] } }</pre>	HTTP Status Code: 404 Not Found Response Body: <pre>{ "messages": { "message": [{ "msgId": 1020, "msgCategory": "invalid_data", "msgDesc": "InvalidCasefileId", "msgText": "Casefile ID does not exist. Please re-submit with a valid Casefile ID." }] } }</pre>

Sample Before and After	
Before	After
HTTP Status Code: 200 OK Response Body: <pre>{ "messages": { "message": [{ "msgId": 9999, "msgCategory": "internal_error", "msgDesc": "InternalError", "msgText": " InternalError" }] } }</pre>	HTTP Status Code: 500 Internal Server Error Response Body: <pre>{ "messages": { "message": [{ "msgId": 9999, "msgCategory": "internal_error", "msgDesc": "InternalError", "msgText": " InternalError" }] } }</pre>

Supporting Documentation	Description
Swagger File	DU Messages API Swagger File 2.0

Release Support

These changes to the DU Messages API will be implemented in the integration environment on July 21, 2021. Integration partners will be notified via email from Integration News (integration_news@fanniemae.com) after implementation.

If you have questions about the Integration Impact Memo or if you require support specific to this release, contact [Integration Support](#). For more information about DU Messages API, please visit the [Developer Portal](#) or contact your Fannie Mae Representative.



Preparing for version 3 of the API

In Q4 2021 we will be making further enhancements to the DU Messages API to include more metadata for the DU messages and removing fields that consistently return NULL values.

With the release of version 3 of the API in Q4 2021, version 1.1 of the API will be retired and only versions 2.0 and 3.0 of the API will be supported. Please begin preparing for the retirement of version 1.1 by transitioning to version 2.0 by the end of August 2021. For more details regarding the enhancements introduced in version 2.0, please see the [August 2020 impact memo](#).