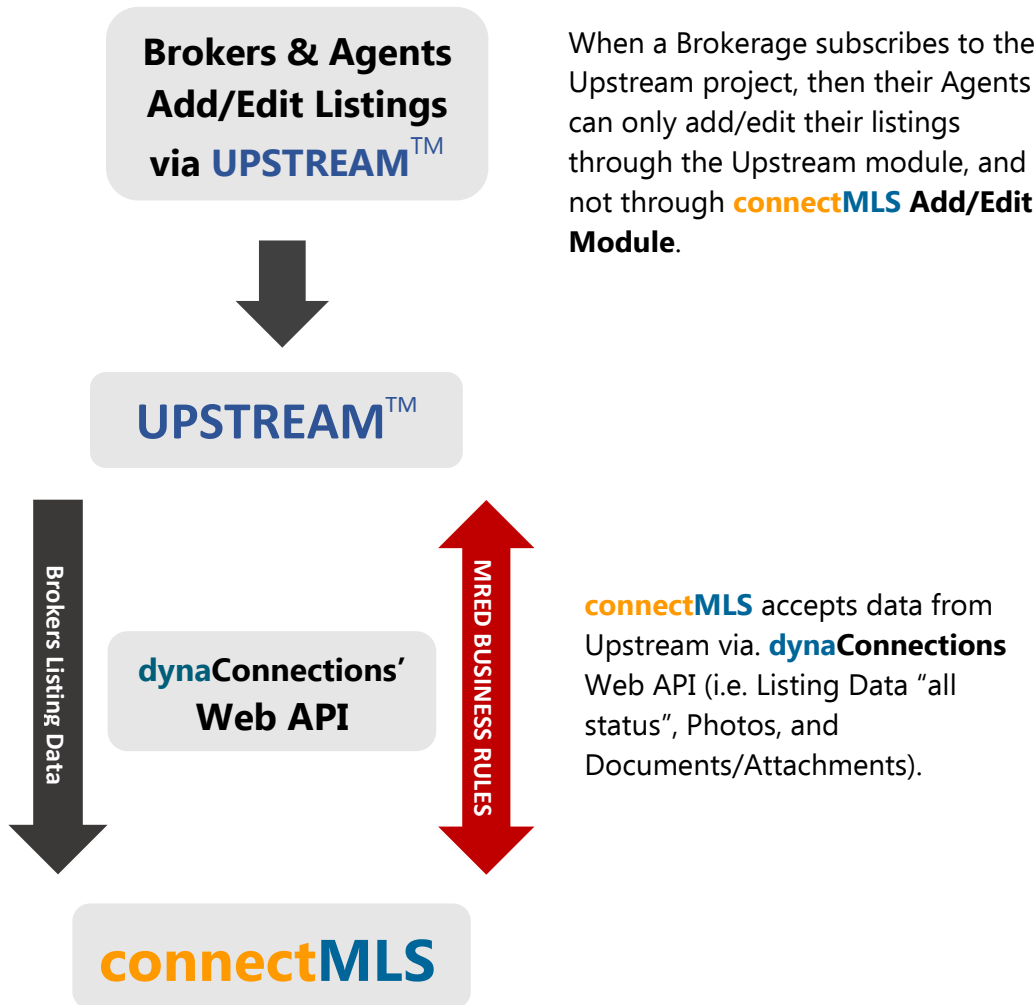


Scope of Project Upstream's Implementation at MRED



When a Brokerage subscribes to the Upstream project, then their Agents can only add/edit their listings through the Upstream module, and not through **connectMLS Add/Edit Module**.

connectMLS accepts data from Upstream via **dynaConnections** Web API (i.e. Listing Data "all status", Photos, and Documents/Attachments).

This diagram depicts guidelines for a solution proposed to MRED by **dynaConnections** in response to MRED's need to integrate with Project Upstream. The proposal is preliminary and based on the requirements available at the time. It is anticipated that both solution and budget will adjust as requirements are clarified.

MRED Business Rules and Technical Requirements

Upstream will dynamically query MRED Business Rules, from dynaConnections' Web API on demand.

Beyond the obvious rules that dictate which fields are required, which must adhere to specific formats, etc., MRED has approx. 300 specialized Rules that are implemented in **connectMLS** for **Add/Edit**. These rules need to be incorporated by Upstream's Standardized Rules framework in order to provide high quality and consistent listing data to MRED's brokers and agents; both those who subscribe to Upstream, and those who do not. For ease of maintenance, these rules will need to be moved from **connectMLS** into a standardized framework to be used by Upstream, then **connectMLS** will have to be revamped to utilize that same framework. It is unknown at this time whether or not the business rule framework will be part of Web API..

ASSUMPTIONS

1. During Alpha/Beta Phase: live listing feeds will not be activated from Upstream into **connectMLS** (Could be fed as training listings to live site if desired).
2. There needs to be a mechanism to turn off listing input for brokerages subscribing to "Upstream".

DEPENDENCIES

A Standardized Rules framework must be provided by Upstream, to which MRED business rules will be developed. That framework must support all rules currently implemented at MRED to preserve the quality of MRED listings.

CONCLUSION

This project will require a dedicated team's full time attention for at least six months, and then ongoing for monthly service and support. The initial estimated cost quoted to MRED was a substantial six-figure dollar amount.