

ADF AT SCALE - CONVERSION AND DE-CONVERSION OF ADF TO JSON

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INTRODUCTION

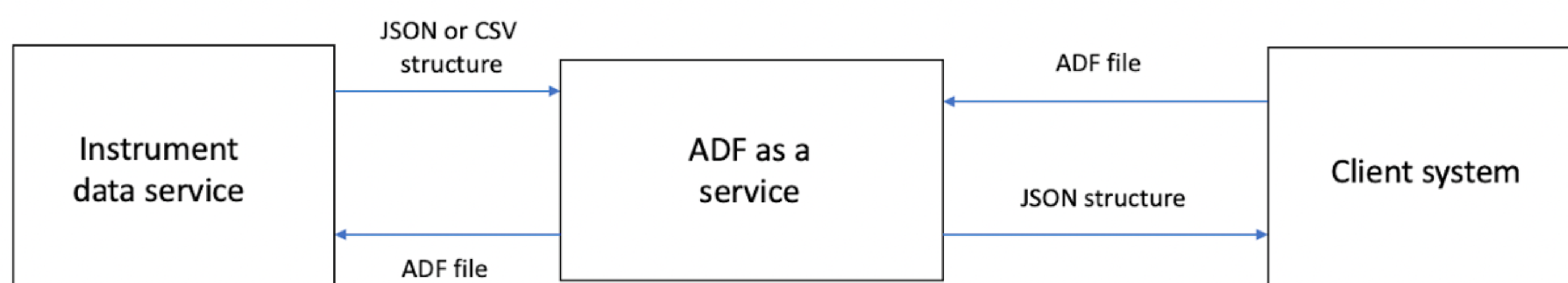
This project is one piece in supporting the broader effort of **adopting ADF at-scale**. The purpose is to build technology that speeds the adoption and implementation of ADF technology for member companies. In a previous effort, TetraScience provided a mechanism to rapidly create leaf-node ADFs, eliminating the dependency on full-graphs for, and improving time-to-value for ADF technology.

A second component to this effort, specifically covered in this project, is to enable the de-conversion of ADF back into JSON, allowing it to be more easily transported and used via web-based services and infrastructure, and exposing this functionality through a RESTful interface. This allows ADF to seamlessly work with a wider range of technologies.

APPROACH

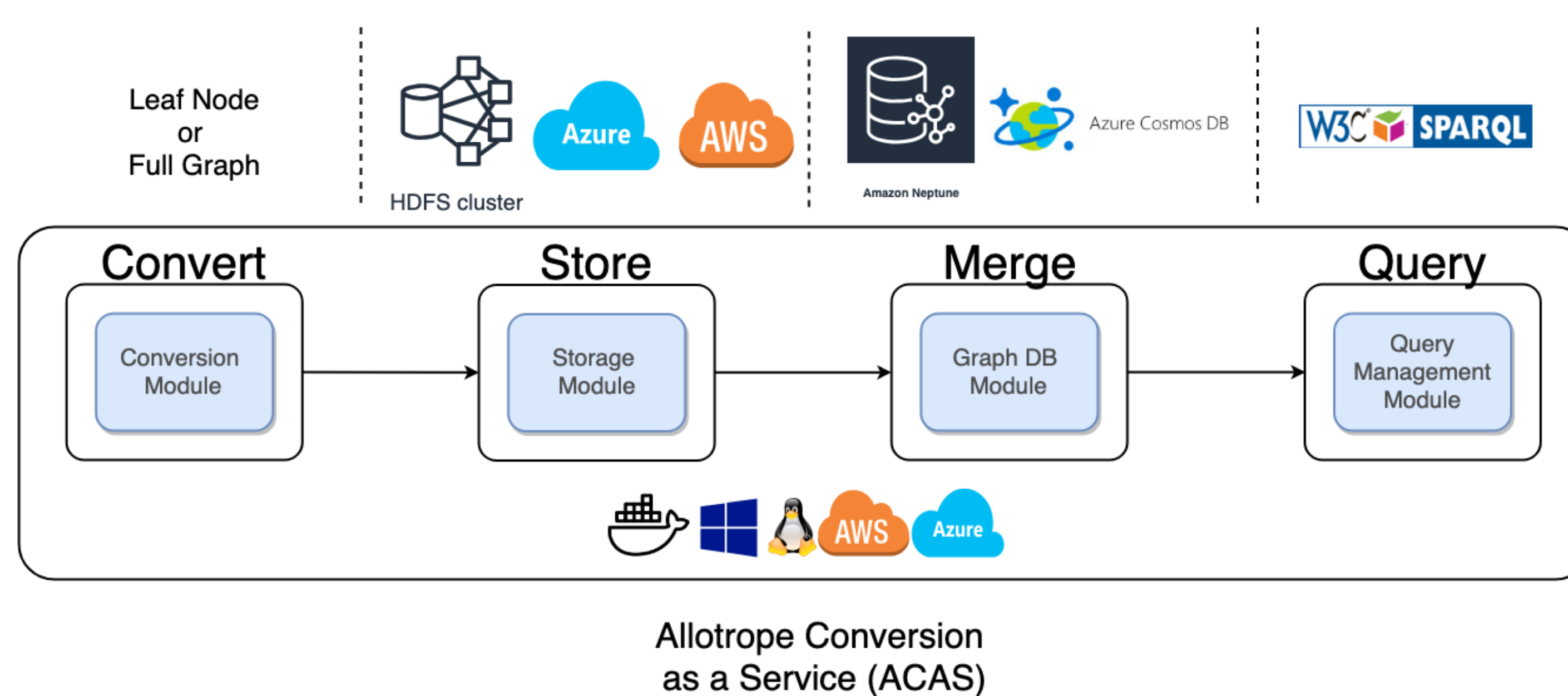
This project extends the functionality of the web-based ADF leaf-node converter presented at the April 2018 Allotrope Connect conference. To support the goals listed above, the converter will now support the following:

- Converting ADF leaf nodes into JSON
- Web API for POSTing ADF leaf nodes and retrieving JSON files and
- A small UI for representing de-converted ADFs as JSON
- Web API for POSTing Excel files and producing ADFs/JSON



FUTURE STATE

Current ADF conversion is performed on a one-off basis, with no commercially supported approach of producing ADF files at-scale. Using the leaf-node approach, TetraScience can provide a full-service Allotrope ecosystem that enables ADF to be used as the transfer format between upstream and downstream applications .



To see all this in action, Generate your own leaf node ADFs at:
allotrope.tetrascience.com