



# **Enumlytics**

"Analytics tool for translating enum values to labels"

Dynamics 365
Finance and Supply Chain

## Summary

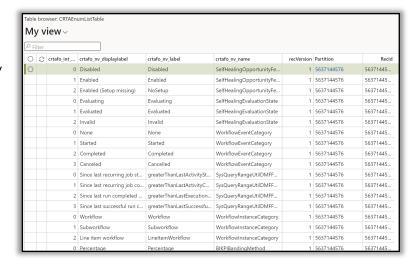
Enumlytics is a tool for Dynamics 365 Finance and Supply Chain to aid reporting, analytics, and integration solutions external to the application. A listing of enum data type values and labels are not stored anywhere in the database, nor is there a data entity to use in a data warehousing situation. This is problematic, as only the integer value of an enum field is stored in database transactions. Without Enumlytics, data analytics and integrations must rely on manual translations. While this may work for some time, the moment a new value is added to an enum, the report will have no label to show, requiring additional work to add another translation.

#### **Problem**

Enums are a standard data type in the Dynamics 365 Finance and Supply Chain application. You could say they are pervasive. They provide a static list of values to use in a drop-down and power various business logic throughout the system. Regularly, clients build a data warehouse and quickly realize, while enums are great in the application, they are difficult to deal with in reporting, analytics, and integration solutions. Why are they difficult? The transactional table or master data record only stores the integer value of an enum. While this is efficient in the application, it does not provide much use to an end user in a report. Most companies solve this by finding the labels for the values and hardcoding those into their solution. This works fine, for a time, until a new value is added. New values are added regularly with Service Updates, thus making a hardcoded list unscalable. Wouldn't it be nice to have a constantly up to date list of all values? Thankfully, Corterra Solutions has solved this problem. Keep reading to find out more about the solution.

#### Solution

- **Batch job** to query all the enums and store them in a table, at whatever frequency is desired. Daily is usually sufficient.
- **Table** to store all enum values, labels, and language translated labels.
- **Data entity** to export to Excel or SQL database for reporting, analytics, integrations, etc.



### Results

- Automation. No manual translations needed.
- **Accuracy.** Always up to date, yielding immediate ROI.
- **Quality of life.** Easy reference for enum values and labels, which end user, functional consultants, and developers all appreciate.
- **Scalability and reliability.** Improved scalability and reliability of third party integrations and reporting solutions.

Contact us TODAY to discuss how you can get Enumlytics for Dynamics 365 Finance and Supply Chain, a solution that provides results.

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