

Day 05 - Drupal 8 Block System

In this session, we will take a look at the basics of block system in D8.

Objective

At the end of this exercise, you will be able to

- Create “Block Types” with fields
- Place Multiple Instances of the block type with different field values
- Programmatically update block instance values / content

Primary Tutorial

- <https://drupalize.me/blog/201403/block-system-finally-useful-dru-pal-8>

Exercise

- Create a Block type called “**Stock Exchange Rate Card**”
 - Company Name
 - Symbol
 - Last Price
 - Change
- Create Instances of the block with different sets of values and place them at different spots on the site. Example values - (**Apple, AAPL**), (**Bank of America, BAC**), (**Transocean, RIG**), (**Freeport, FCX**). (Ignore the Last Price and Change fields’ values, we will be dealing them in next step).
- Below API can be used to retrieve Last Price and Change values
<http://dev.markitondemand.com/MODApis/Api/v2/Quote/jsonp?symbol=BAC&callback=myFunction>
- Build a custom module, which on Cron run,
 - Iterates through each instance of blocks of type “Stock Exchange Price Card”
 - For each block, take the symbol value and call the API to retrieve the Last Price and Change values
 - Update the block field values programmatically with the values of Last Price and Change retrieved from the API and save the block