

# Microservices: Brownfield: Reporting

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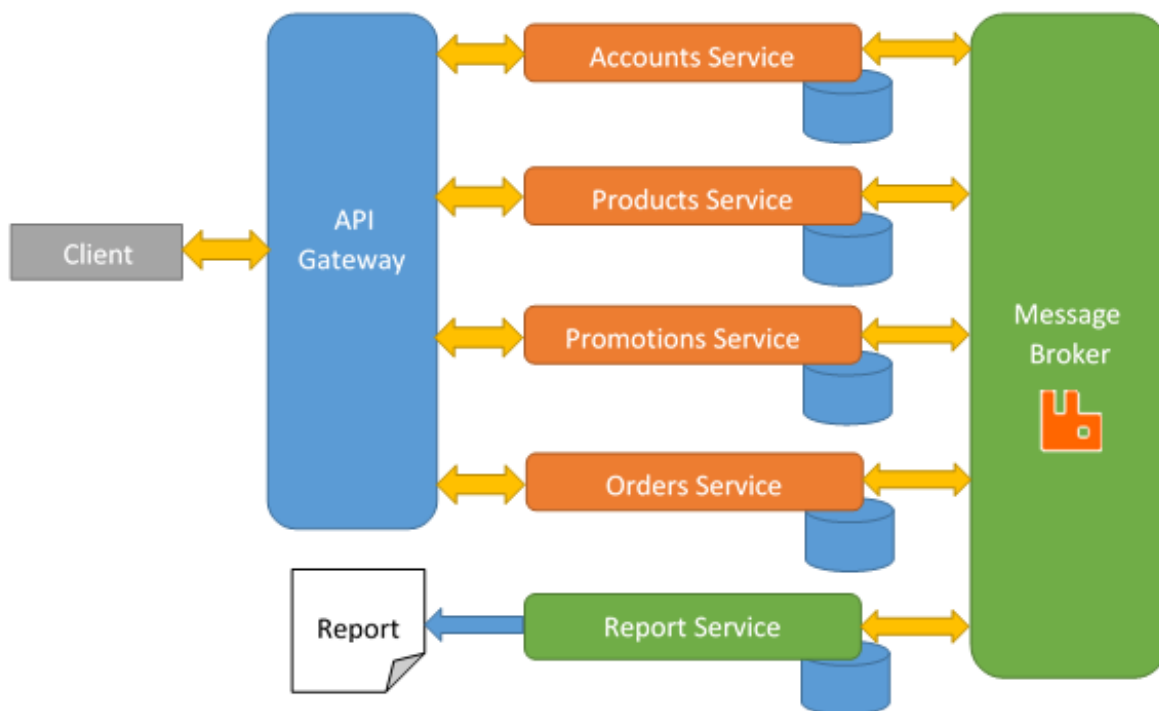
Posted by Alejandro G. Carlstein Ramos Mejia on January 17, 2017 January 18, 2017 About Programming / Architecture / Microservices

## Microservices: Brownfield: Transactions

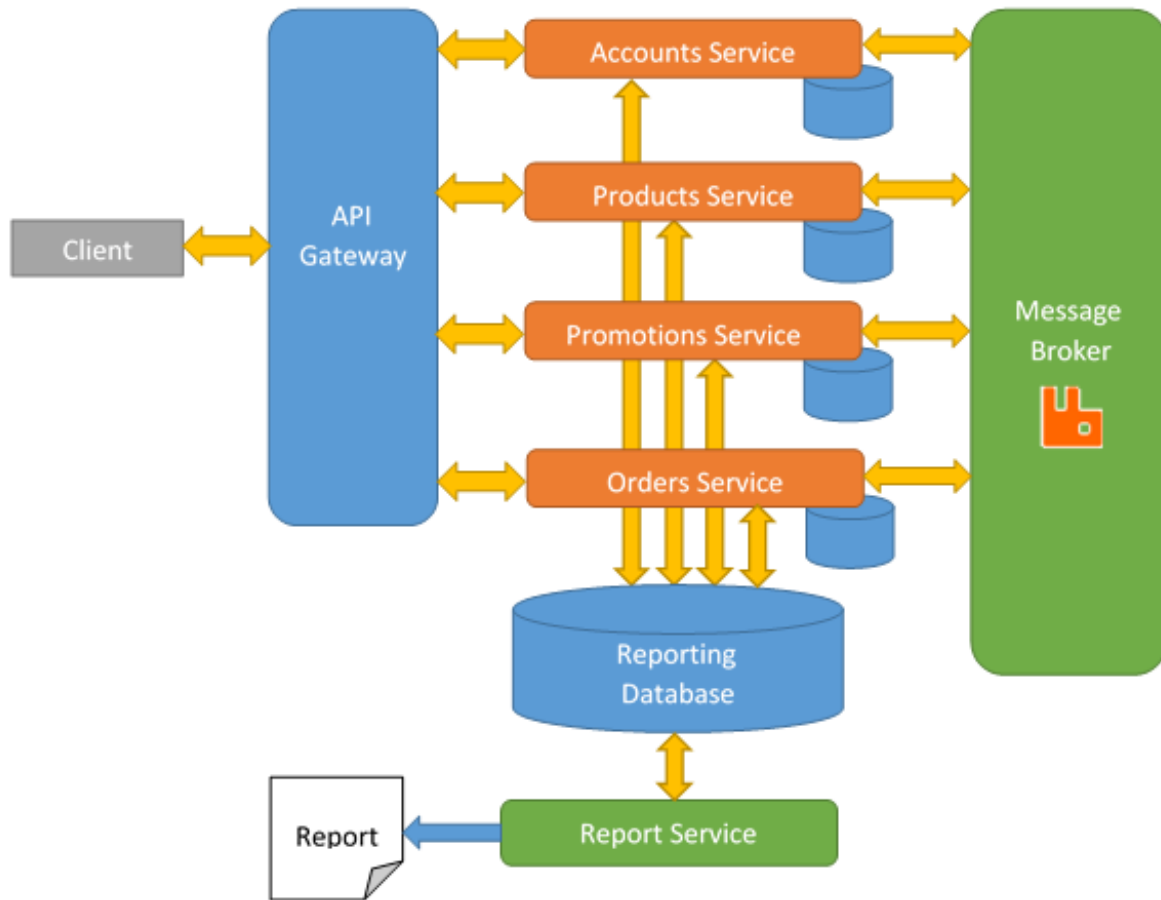
The support reporting for our micro-services architecture system can be a little complex. At difference to a monolithic architecture where you may have a few databases to report from, in the micro-services architecture system, you will have a tons of databases to report from since each micro-service will have its own database.

The report of the data will come from the be split across multiple micro-services and since there is no a central database where you could extract this information you may need to join data across databases. Also, in the micro-service architecture system, reporting can be slow.

One way to facilitate the reporting is to have a dedicated reporting micro-service which calls all our micro-services and takes care of collecting and consolidate the data. The only disadvantage is when we are reporting large volumes of data or we wish to obtain a report in real-time.



Another way is to have a data dump which is having the micro-services dumping the data to a central database that later can be use to do reporting.



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