```
                        ┌──────────────┐
                        │     EDW      │
                        │     Job      │
                        └──────────────┘
              ┌────────────────┼────────────────┐
              ▼                ▼                ▼
      ┌──────────────┐  ┌──────────────┐  ┌──────────────┐
      │     File     │  │     File     │  │     File     │
      │     Type     │  │     Type     │  │     Type     │
      └──────────────┘  └──────────────┘  └──────────────┘
              │                │                │
              ▼                ▼                ▼
```

Datasource / Datasource / Datasource (stacked, for each File Type)

File File File

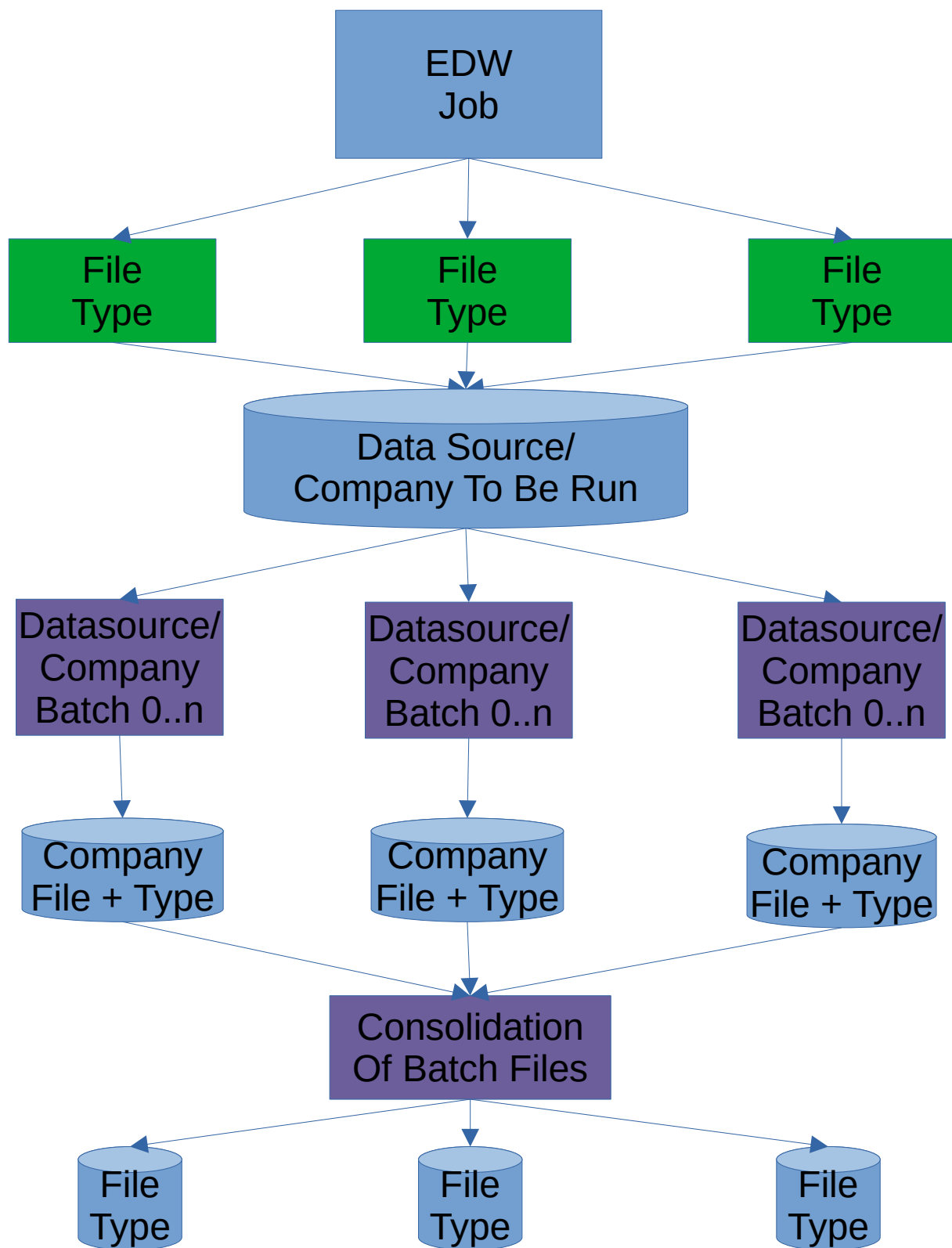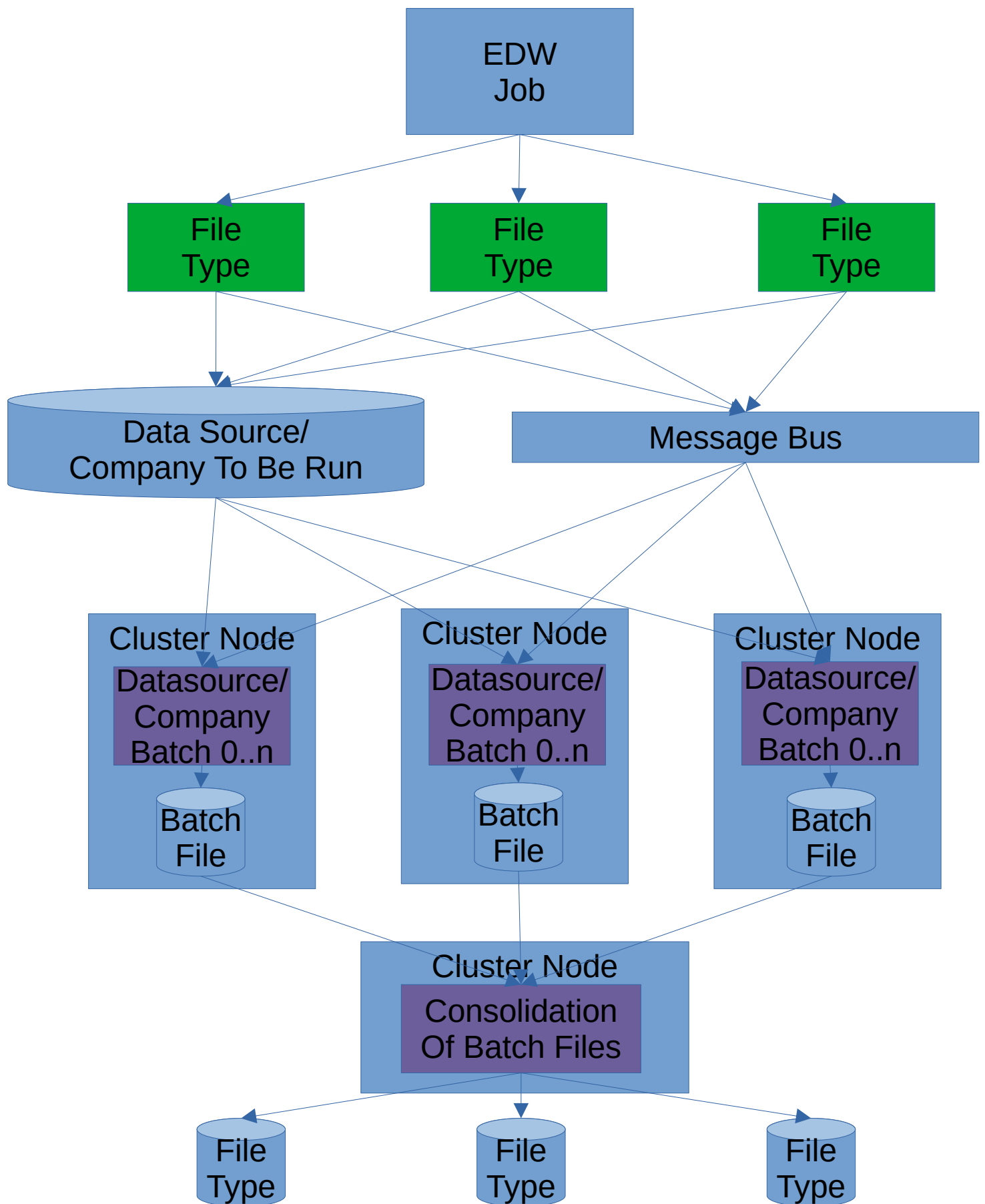* All running on a single node. If job fails before a file is complete then the file needs to restart from scratch.

```
                    ┌─────────────┐
                    │     EDW     │
                    │     Job     │
                    └─────────────┘
          ┌───────────────┼───────────────┐
          ▼               ▼               ▼
    ┌──────────┐    ┌──────────┐    ┌──────────┐
    │   File   │    │   File   │    │   File   │
    │   Type   │    │   Type   │    │   Type   │
    └──────────┘    └──────────┘    └──────────┘
          └───────────────┼───────────────┘
                          ▼
               ╔═══════════════════════╗
               ║   Data Source/        ║
               ║ Company To Be Run     ║
               ╚═══════════════════════╝
          ┌───────────────┼───────────────┐
          ▼               ▼               ▼
   ┌────────────┐  ┌────────────┐  ┌────────────┐
   │Datasource/ │  │Datasource/ │  │Datasource/ │
   │ Company    │  │ Company    │  │ Company    │
   │ Batch 0..n │  │ Batch 0..n │  │ Batch 0..n │
   └────────────┘  └────────────┘  └────────────┘
          │               │               │
          ▼               ▼               ▼
   ╔════════════╗  ╔════════════╗  ╔════════════╗
   ║  Company   ║  ║  Company   ║  ║  Company   ║
   ║ File + Type║  ║ File + Type║  ║ File + Type║
   ╚════════════╝  ╚════════════╝  ╚════════════╝
          └───────────────┼───────────────┘
                          ▼
               ┌───────────────────┐
               │  Consolidation    │
               │  Of Batch Files   │
               └───────────────────┘
          ┌───────────────┼───────────────┐
          ▼               ▼               ▼
      ╔════════╗      ╔════════╗      ╔════════╗
      ║  File  ║      ║  File  ║      ║  File  ║
      ║  Type  ║      ║  Type  ║      ║  Type  ║
      ╚════════╝      ╚════════╝      ╚════════╝
```

* All on single node but if the job fails and restarts, it only needs to execute batches that were not marked complete.
* Batch is not marked complete until full batch file is written

```
                        EDW
                        Job


       File              File              File
       Type              Type              Type


    Data Source/                    Message Bus
    Company To Be Run


   Cluster Node        Cluster Node        Cluster Node
   Datasource/         Datasource/         Datasource/
   Company             Company             Company
   Batch 0..n          Batch 0..n          Batch 0..n

      Batch               Batch               Batch
      File                File                File


                    Cluster Node
                    Consolidation
                    Of Batch Files


       File              File              File
       Type              Type              Type
```

* Job uses the full large job cluster to execute. If a node
goes down the job continues with reduced capacity.
* Will need to be careful and ensure that FINRA,
Retirement, and Stockplan can still execute