

# GOES-R GS Product Generation Infrastructure Operations

Author: Mike Blanton



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The **Data Fabric** (through the **Event Manager**) notifies the services requiring L1b Data that it is now available. The **Executive** receives this notification through the **Dispatcher** interface. The **Executive** determines that there is enough data to begin processing and retrieves the data from the **Data Fabric** through the **Dispatcher** interface. The **Executive** then executes the service's algorithm with that data through the **Strategy**.

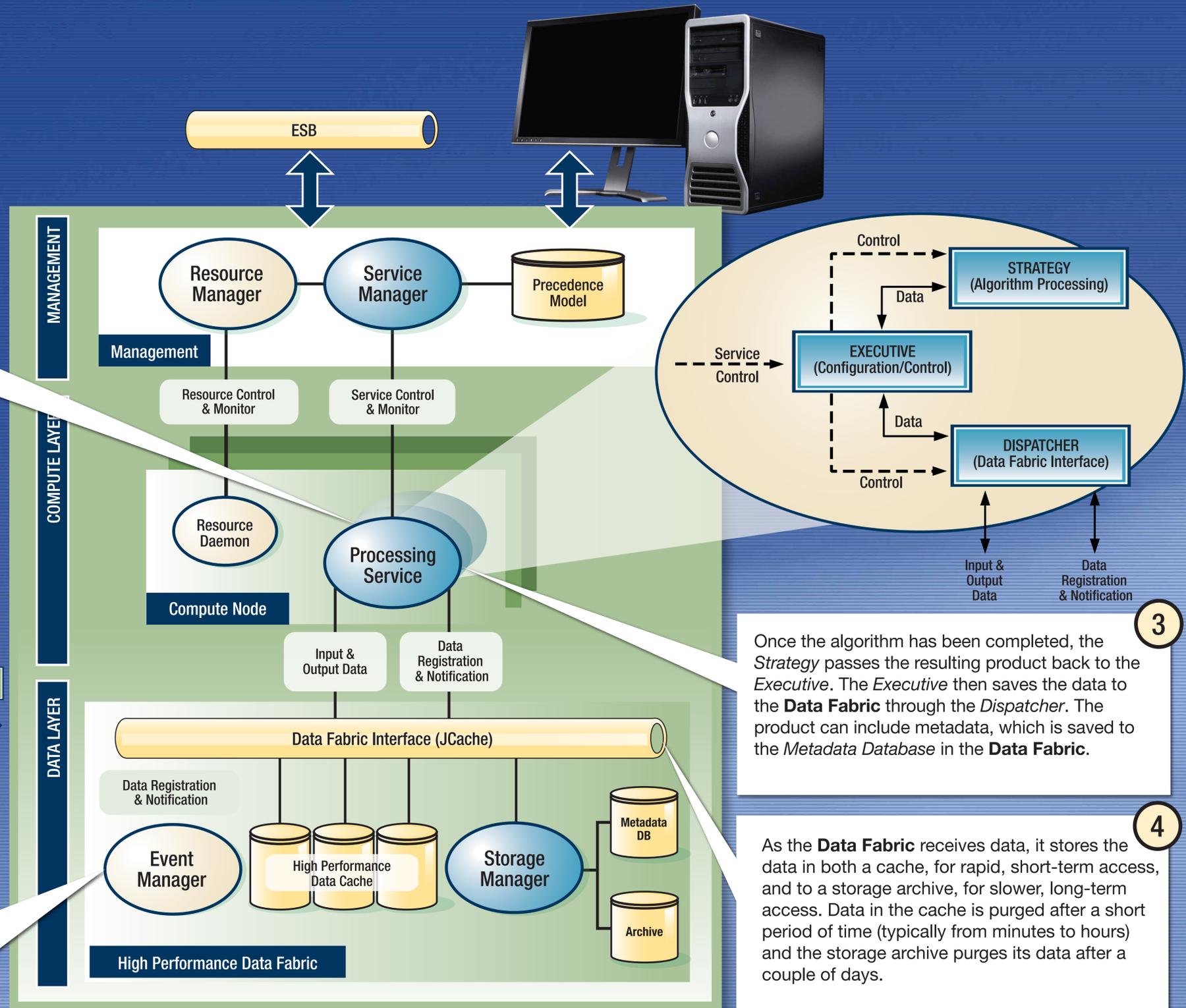
1

MM delivers GRB data into the **Data Fabric**. The GRB data is converted to L1b.



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The **Event Manager** notifies all interested services that new data is available. When a service determines it has enough data to begin processing, the new data is downloaded and the previous three steps are repeated. Since new data is now written into the **Data Fabric**, this step is repeated as well until data entered into the **Data Fabric** is no longer required by any service.



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Once the algorithm has been completed, the **Strategy** passes the resulting product back to the **Executive**. The **Executive** then saves the data to the **Data Fabric** through the **Dispatcher**. The product can include metadata, which is saved to the **Metadata Database** in the **Data Fabric**.

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As the **Data Fabric** receives data, it stores the data in both a cache, for rapid, short-term access, and to a storage archive, for slower, long-term access. Data in the cache is purged after a short period of time (typically from minutes to hours) and the storage archive purges its data after a couple of days.

## LEGEND

