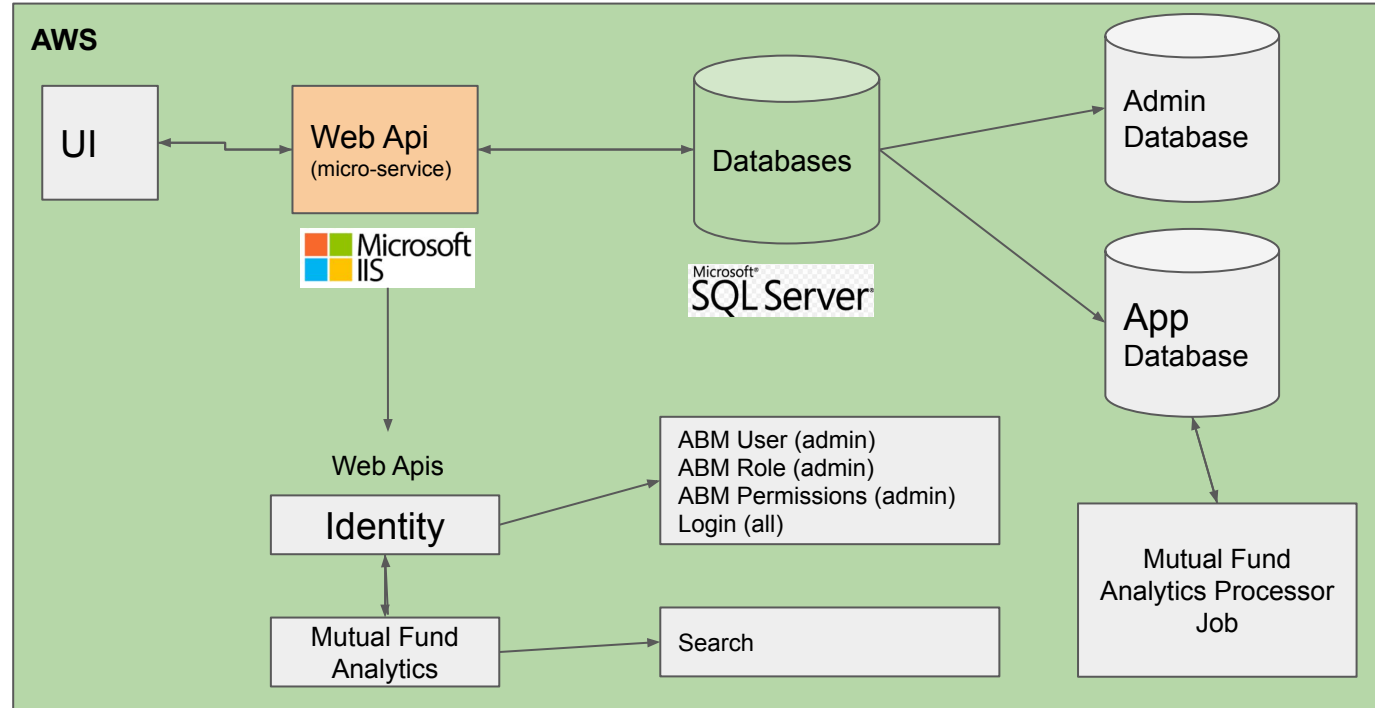


System Design



Access-Control: Users can login using Identity Login Endpoint. This returns a token that match with public key and the user can interact with Mutual Fund Services.

Processor Job: This search, especially in large date ranges, takes a while for users. This job processes and stores the segmentation results by day in the database. So when the user submits the request, the API responds with the results stored in the database.

Search Endpoint Request and Response

Request

```
Type:POST
{
  TickerSymbol: "string",
  DateFrom: "DateTime",
  DateTo: "DateTime",
  Segmentation: {enum: "Day" or "None"}
}
```

Response

```
Response "Day"
{
  Day: "DateTime",
  DetailInfo:{
    [
      Stock: "string",
      Performance-Data: "string"
    ]
  }
}
```

```
Response "None"
{
  Stock:"string",
  DateRange:"string",
  DetailInfo:{
    ....
    ....
  }
}
```