A company hosts a web application using **EC2 instances** in a **VPC** with both public and private subnets:

* **Public Subnet**:
  + Hosts **web servers**.
  + Connected to the internet via an **Internet Gateway (IGW)**.
  + **Security Group** allows **HTTP (port 80)** and **HTTPS** access (e.g., to connect with S3).
* **Private Subnet**:
  + Contains **database servers**.
  + Uses a **NAT Gateway** to access the internet (e.g., for **S3 backups**).
  + Mounts **EFS** for shared data storage.
* **VPC Endpoint**:
  + Configured for **S3**, enabling **private access** without traversing the public internet.
  + Ensures data transfer between EC2 and S3 stays **within AWS's network** for security and efficiency.