**Platform Independence?**

The MSP database is built entirely on open-source technologies, ensuring platform independence and interoperability. Key features include:

* **Use of Open-Source Tools** :
  + - PostgreSQL with PostGIS for robust geospatial data management.
    - GeoServer for serving geospatial data via standard protocols (WMS, WFS).
    - Leaflet.js for interactive, web-based mapping.
* **Cross-Platform Accessibility** – Compatible with various operating systems and can be deployed on cloud, on-premises, or hybrid environments without dependency on proprietary software.
* **Modular Architecture** – Allows integration with other digital public goods and government databases with minimal configuration changes.

**Open Alternatives:**

All dependencies are open-source, and the system is designed to function without proprietary software. For example:

* Proprietary GIS software can be replaced with **QGIS**, an open-source alternative.
* Cloud hosting can be done on any platform supporting Docker containers, such as **AWS, Google Cloud,** or **Azure**.

This design ensures that the MSP database can be deployed and operated in diverse environments, from low-resource settings to high-performance computing clusters.