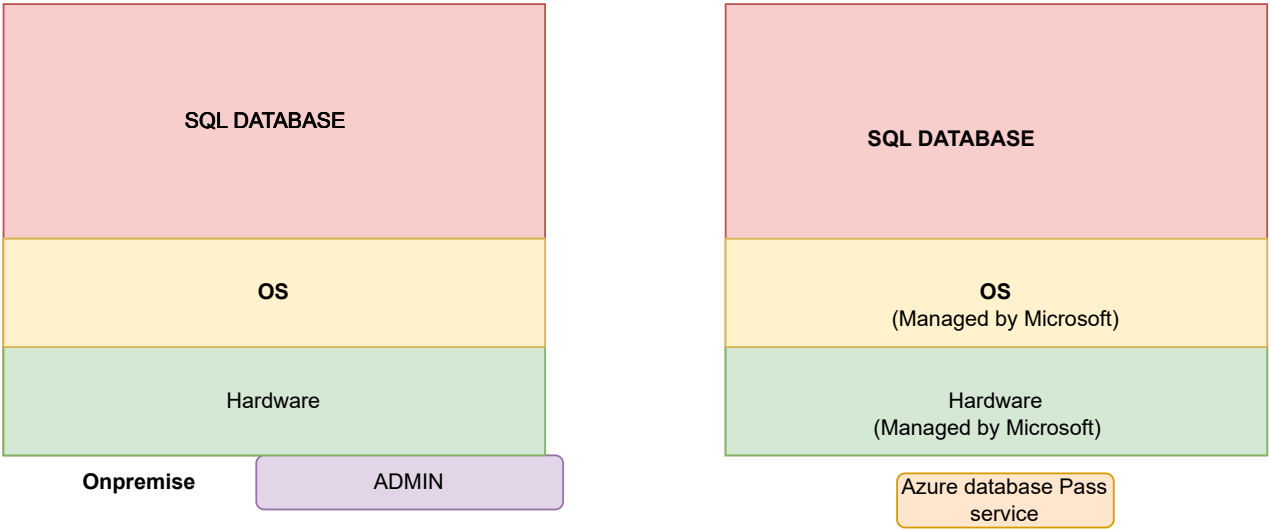


why we use azure sql database paas service for database

Azure SQL Database PaaS (Platform as a Service) is used for databases because it provides a fully managed, scalable, and secure environment with minimal administrative overhead. Here's why organizations prefer it:

- **Fully Managed:** Microsoft handles database patching, backups, monitoring, and maintenance, reducing the administrative burden.
- **Scalability:** Supports dynamic scaling of resources, allowing businesses to adjust performance as needed without downtime.
- **High Availability:** Built-in high availability (99.99% SLA) with automatic failover and geo-replication options.
- **Security:** Offers advanced security features like Transparent Data Encryption (TDE), Advanced Threat Protection, and built-in compliance.
- **Backup & Restore:** Automated backup with point-in-time restore, long-term retention, and geo-redundant backups.
- **Performance Optimization:** Uses AI-driven performance tuning, indexing, and query optimization.
- **Integration with Azure Services:** Seamlessly integrates with Azure services like Power BI, Azure Functions, and Logic Apps.
- **Cost-Effective:** Pay-as-you-go pricing model with options like serverless computing, reducing costs based on actual usage.
- **No Infrastructure Management:** No need to worry about hardware, OS upgrades, or software patches.
- **Global Availability:** Deploy databases in multiple regions to support worldwide applications.

This makes Azure SQL Database an ideal choice for modern applications, SaaS solutions, and businesses looking for a hassle-free cloud database solution.



Step1-Database workload ko assignment

Assignment ke lie azure SQL Database DTU Calculator use karenge

Note:--Working day-- 48 hours Script run karenge