



Comparing Silk Cloud DBaaS To Leading Cloud PaaS

See how Silk compares to Microsoft Azure SQL Managed Instance and Google Cloud SQL for deployment, expert DBA support, data management, and cost efficiency.

Flexible Deployment

[Flexible Deployment](#) | [Expert DBA Support](#) | [Robust Data Management](#) | [Cost Efficiency](#)

Flexible Deployment	Silk Cloud DBaaS	Azure SQL Managed Instance	Google Cloud SQL
Run Multiple Database Engines	✔ Supported	✘ Not supported	— Multiple DB Engines not supported on same instance
Full Database Functionality	✔ Supported	— Lacks essential features	— Lacks essential features
Updates Databases for You	✔ Supported	✔ Supported	✔ Supported
Select Database Version and Patch	✔ Supported	✘ Cloud enforces version	✘ Cloud enforces version
Diverse VM Shapes	✔ Any cloud VM shape – up to 416 cores	— Limited shapes – up to 128 cores	— Limited shapes – up to 128 cores w/ Enterprise Plus
High Performance per Instance	✔ Up to 10 GB/s, ?? IOPS	✘ Up to 0.45 GB/s, 320K IOPS	✘ Up to 1.2 GB/s, 100K IOPS
Low Latency	✔ Sub-millisecond latency	✘ Multi-millisecond latency	✘ Multi-millisecond latency
Scale Database Capacity	✔ Unlimited capacity	✘ Up to 16 TB	✘ Up to 64 TB

Expert DBA Support

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Expert DBA Support	Silk Cloud DBaaS	Azure SQL Managed Instance	Google Cloud SQL
24x7x365 DBA Support	✓ Included	✗ Not available	✗ Not available
Dedicated Lead DBA	✓ Included	✗ Not available	✗ Not available
Schema Maintenance	✓ Included	✗ Not available	✗ Not available
Proactive Maintenance and Troubleshooting	✓ Included	✗ Not available	✗ Not available
Performance Tuning	✓ Included	– Automated tuning – no DBAs in the loop	✗ Not available
Performance and Event Monitoring	✓ Included	– Automated monitoring – no DBAs in the loop	– Automated monitoring – no DBAs in the loop
Backup Strategy, Monitoring, and Recovery	✓ Included	– Automated backups only	– Automated backups only
Database and OS Patching	✓ Coordinated for your needs	– Automated only	– Automated only
HA Implementation and Support	✓ Included	– Default setup or manual	– Default setup or manual

Robust Data Management

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Robust Data Management	Silk Cloud DBaaS	Azure SQL Managed Instance	Google Cloud SQL
Zero-Footprint Snapshots	✔ Supported	✘ Not supported	✘ Not supported
Instant Extracts	✔ Supported	✘ Not supported	✘ Not supported
Enterprise Data Services	✔ Supported	✘ Not supported	✘ Not supported
Self-Healing Architecture	✔ Supported	✘ Not supported	✘ Not supported
Create Cross-Zone High Availability	✔ Supported	✔ Supported	✔ Supported
Support for Backup Options	✔ Supported	✔ Supported	✔ Supported
Encrypted Data	✔ Supported	✔ Supported	✔ Supported
Read Replicas	✔ Supported	✔ Supported	⊖ Supported – Up to 8 per Primary Instance
Compatible with Data Masking Tools	✔ Supported	✔ Supported	✔ Supported

Cost Efficient

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Cost Efficiency	Silk Cloud DBaaS	Azure SQL Managed Instance	Google Cloud SQL
Precise Cloud Resource Usage	✓ Any VM shape. Tailored performance and capacity.	✗ Limited, inflexible shapes	✗ Limited, inflexible shapes
Right-size Database License Costs	✓ Efficient VM shapes lead to fewer database licenses	✗ Excess licenses from oversized VMs	✗ Excess licenses from oversized VMs
Thin Provisioning	✓ Supported	✗ Not supported	✗ Not supported
Compression	✓ Supported	✗ Not supported	✗ Not supported
Inline Deduplication	✓ Supported	✗ Not supported	✗ Not supported
Performance Pooling	✓ Economies of scale as you grow	— Elastic pools share hosts	✗ Not supported
Efficient Data Sharing	✓ Zero-footprint data sharing	✗ Pay for full copies	✗ Pay for full copies

Learn more about Silk Cloud DBaaS at silk.us/database-as-a-service

Silk enables organizations to migrate and run their most complex business-critical applications in the public cloud while continually optimizing performance, reliability, and costs. Silk's data services eliminate the need to copy production data for Dev/Test teams increasing their agility and enabling production data to be leveraged for Generative AI. Silk leverages over 20 technology patents so customers can effortlessly unlock the full potential of the public cloud in a fraction of the time. Silk is headquartered outside of Boston, MA.