Securely Connect Cloud Services to On-premise Data with Microsoft's Data Access Gateway

Solutions for Success Education Series

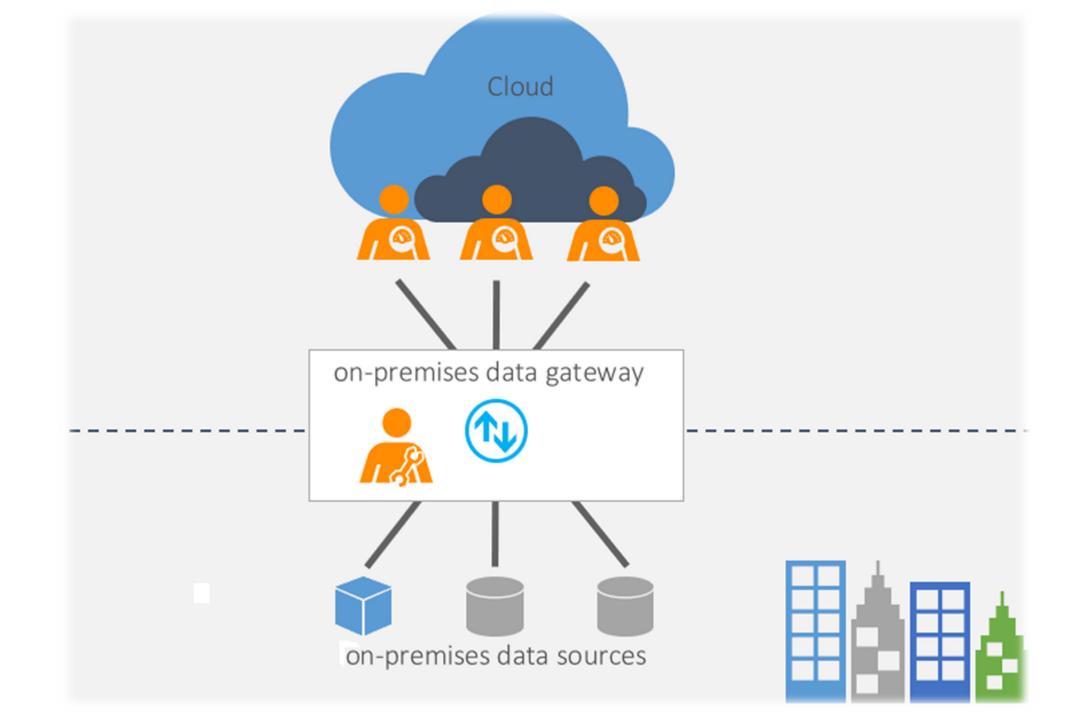


About Us

Point Alliance is an award-winning **Microsoft Gold Certified** partner with **8** Microsoft **competencies**.

Our consulting practice is a recognized leader in delivering proven business solutions to **Global 300** companies across many industries. Backed by over **17 years** of proven results from over 300 organizations.





Microsoft's Data Access Gateway

- Works as a bridge that provides quick data transfer and encryption between on premise data sources and your apps
- Use the same gateway installation with other cloud services, such as Power BI, Power Automate, Power Apps, and Azure Analysis Services
- Allows organizations to keep databases and other data sources on premise



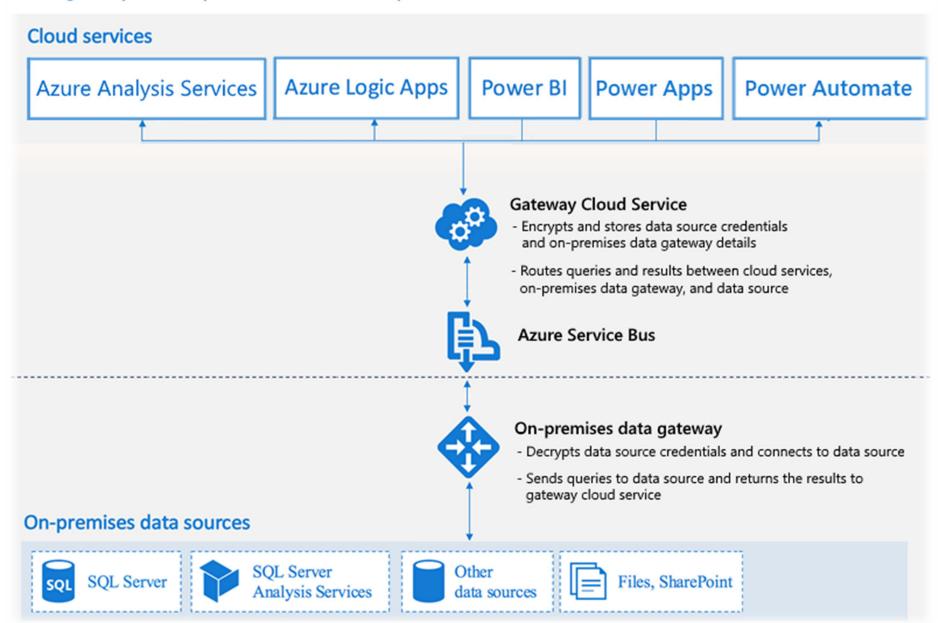
Two types of gateways

- Allows multiple users to connect to multiple on-premises data sources.
 - Use with all supported services, with a single gateway installation.
 - Well-suited to complex scenarios with multiple people accessing multiple data sources.
- Personal mode allows one user to connect to sources
 - Can't be shared with others
 - Can be used only with Power BI
 - Well-suited to scenarios where you're the only person who creates reports, and you don't need to share any data sources with others.

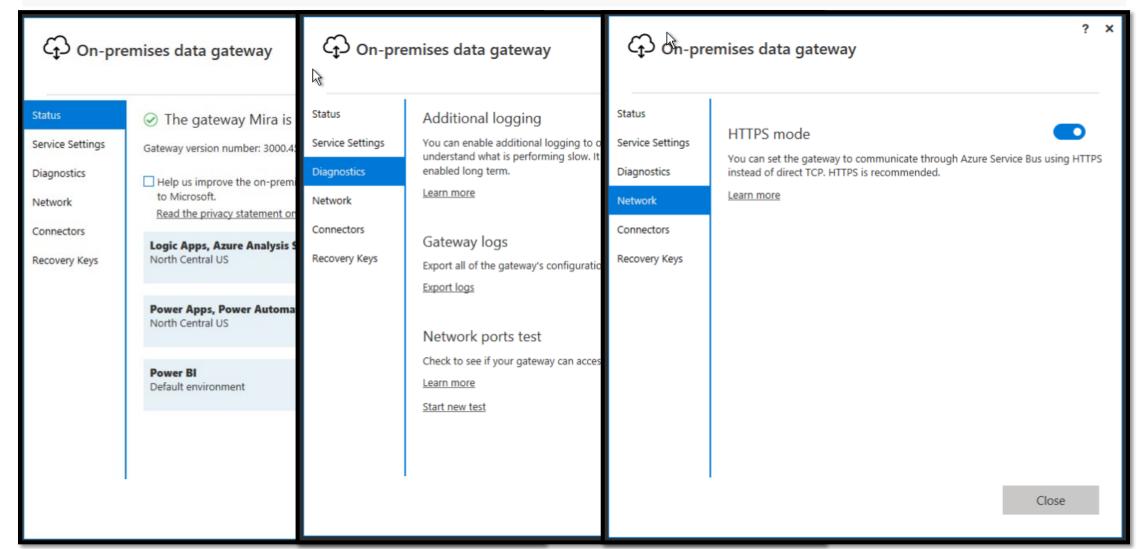


On-premises data gateway

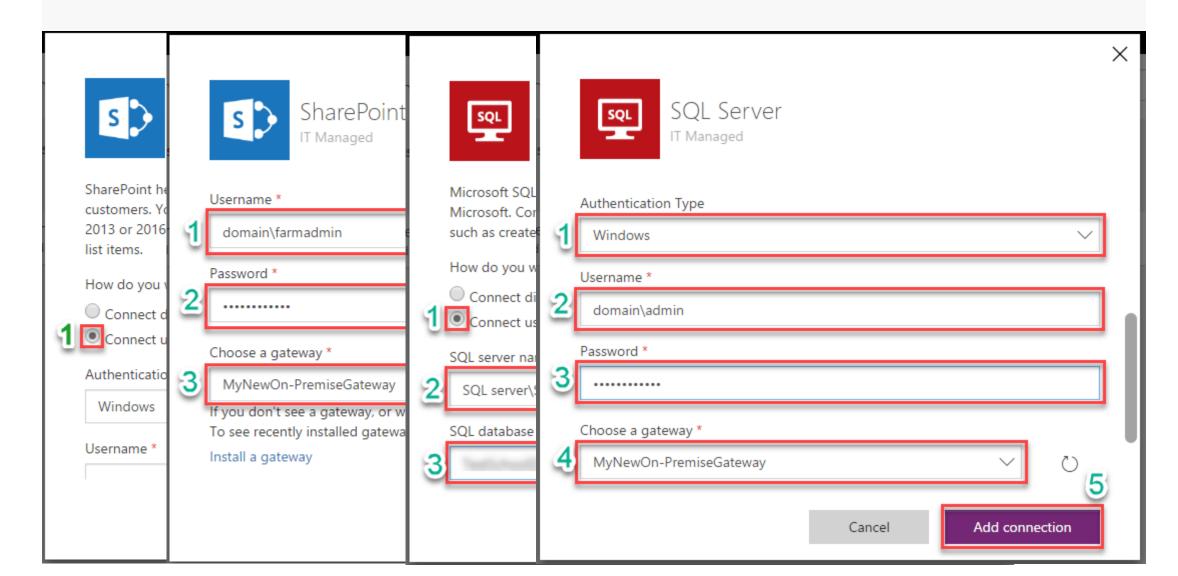
One gateway for multiple cloud services and experiences



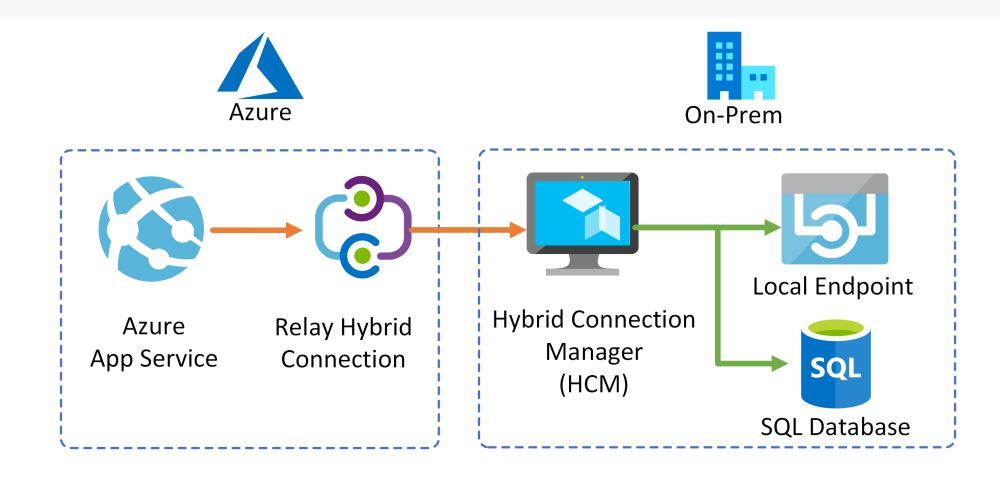
On-premises data gateway application



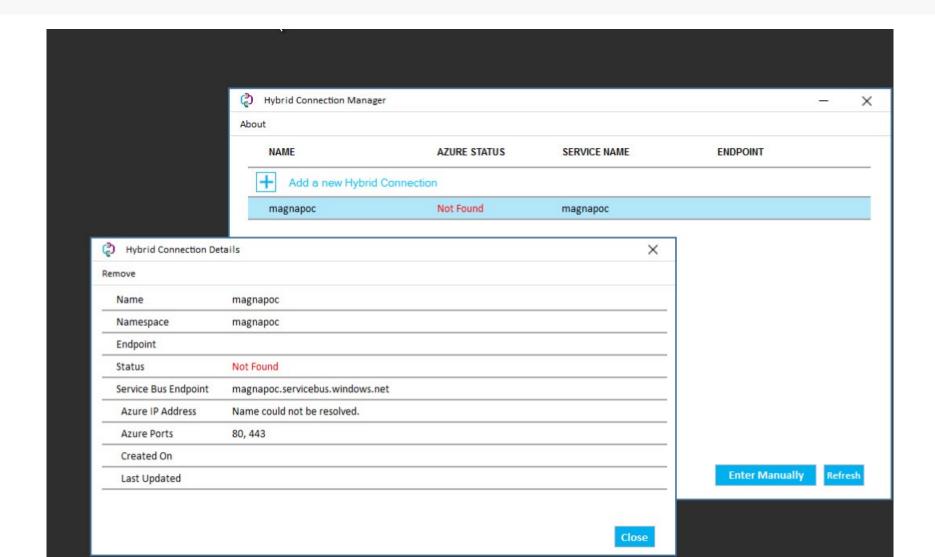
Connecting to data sources



Azure Hybrid Connections



Hybrid Connection Manager



App Service Hybrid Connection Benefits

- Apps can access on-premises systems and services securely.
- Does not require an internet-accessible endpoint.
- Quick and easy to set up. No gateways required
- Each Hybrid Connection matches to a single host:port combination
- It normally does not require firewall holes. The connections are all outbound over standard web ports.
- Because the feature is network level, it is agnostic to the language used by your app and the technology used by the endpoint.
- It can be used to provide access in multiple networks from a single app.
- It is supported in GA for Windows apps and is in preview for Linux apps.

Things you cannot do with Hybrid Connections

- Mount a drive.
- Use UDP.
- Access TCP-based services that use dynamic ports, such as FTP Passive Mode or Extended Passive Mode.
- Support LDAP, because it can require UDP.
- Support Active Directory, because you cannot domain join an App Service worker.





Thank you

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