



Architecture and Migration Insights

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1) Will this recording be available somewhere online? Can you share the link?

Yes, the recording will be available as a link in "Thank you" email shortly after the session together with Q&As.

2) I have additional question, or I haven't received the answer to my question - what should I do?

Please make sure that you fill our follow up form

https://forms.office.com/pages/responsepage.aspx?id=v4j5cvGGr0GRqy180BHbR1_pkhsCgglgjMkmZH-Orr9UQ01YUU1FQUQxQUU1VE9OU0ZQNFcwV0c3Wi4u

If you are interested in partnership, please make sure that you are a member of Microsoft Partner Network. If you are not yet here is how to get started <https://partner.microsoft.com/en-us/dashboard/account/v3/enrollment/introduction/partnership>. Keep in mind that as ISV you should select "Build" option at the very first page.

3) Where can we see cost for the solution in the making? Out of experience there are still some services/transactions that real cost is visible only after deploying e2e solution.

Hello, at the stage of solution planning, it is important to use the Azure Pricing calculator <https://azure.microsoft.com/en-us/pricing/calculator/>. After deploying the solution to Azure, I recommend tagging the provisioned services and resource groups. Then Cost Management (in the Azure portal) will generate a report with a filter for that tag. E.g., you tag a group A resource and the services in it, and in Tag Management, select tag filter A. Only the consumption calculation for the project tagged with tag A is displayed. Perhaps the answer will help. If you need to complete the answer, please add the following question.

4) If there any difference if I am going to migrate to enterprise test development subscription comparing to other types of subscriptions?

The migration guidance is not different comparing migrating to all other types of Azure subscription. For more information about Azure Dev/Test subscription follow up please at this link <https://docs.microsoft.com/en-us/azure/devtest/offer/quickstart-create-enterprise-devtest-subscriptions>.

5) Could you share a bit about the support of PostgreSQL 14 and TimescaleDB?

PostgreSQL 14 is now supported only in Cirtus (Hyperscale tier), not in Single Server and Flexible server tiers. With high probability, TimescaleDB will be added to backlog after rolling PostgreSQL 14 engine to all tiers of Azure Database for PostgreSQL.

6) In case of a DWH solution the hosting costs dependent on the size consumption?

All information is at <https://azure.microsoft.com/en-us/pricing/details/synapse-analytics/> tab Data Warehousing. Costs are dependent on allocated DWUs and data storage/snapshots.

7) Does Azure provide (log analysis and) business monitoring and alerting service (e-mail / SMS on outages, or on critical error in business app logs) to business application support team?

Yes, Azure provides various levels of monitoring. Central monitoring service covering all Azure workloads is Azure Monitor. More info at <https://docs.microsoft.com/en-us/azure/azure-monitor/overview>. You can use Azure Monitor not only for analysis, monitoring but also for alerting. Proactive monitoring/alerting focused on outages is covered by Service Health. More info at <https://docs.microsoft.com/en-us/azure/service-health/service-health-overview>.

8) How complete are the DB migrations for different source-target databases? This is traditionally a complex task for most real-life cases.

Database Management service will migrate schema and data. Overview of service is here: <https://docs.microsoft.com/en-us/azure/dms/dms-overview>. It is recommended to prepare post-scripts for the creation of indexes, users/permissions, procedures/functions.

9) Is there a ready solution within Azure to add a new application customer? For example A web application consisting of a Blazor-created web app and ms sql database and they are installed on Azure. A new customer has purchased a service and needs to get his application and database instance. Is there a ready-made automation for this task within Azure or do we have to do it?

In order to do this, you need to prepare Azure Resource Manager template (it can be prepared from one existing deployment/customer). This template then can be redeployed more times with different parameters for every new customer (e.g. database name, webapp name etc.)

10) What is the difference between Azure SQL and MSSQL? Can we fully migrate (data, Stored procs, triggers) an MSSQL instance to an Azure SQL?

Good morning, Azure SQL is based on relational engine on MSSQL. You can migrate data, stored procs, ... because they are on level of relational engine. Please, look for comparison also at <https://techcommunity.microsoft.com/t5/fasttrack-for-azure/feature-comparison-of-azure-sql-database-azure-sql-managed/ba-p/3154789>.

11) Azure supports collection and processing of IoT sensor data? Can you point us to potential documentation?

Azure IoT core service is Azure IoT Hub with concept aligned with other services described at <https://docs.microsoft.com/en-us/azure/iot-hub/iot-concepts-and-iot-hub>. Please, look also at <https://docs.microsoft.com/en-us/azure/architecture/example-scenario/data/realtime-analytics-vehicle-iot>, where is robust architecture view.

12) Is implemented also DB Firebird in MS Azure?

Good morning. You can deploy Firebird to Azure VM or deploy Firebird from Azure marketplace as paid database supported by 3rd party partner e.g. <https://azuremarketplace.microsoft.com/en-us/marketplace/apps/cloud-infrastructure-services.firebird-2019?tab=overview> FireBird is not in Azure are 1st party platform database (supported directly by Microsoft).

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14) What are the most common challenges during migration from on premise to Azure?

Most common challenges are: old solution with dependency on proprietary OS libraries, solution not able to run in virtualized environment. Some things also can be challenges, but solvable, e.g. complicated networking/special network protocols. All other in application layers can be solved with containerization of solution (to docker image), which can then run in AKS, WebApp for containers or Azure Container Apps.