

Azure SQL Database Managed Instance workshop

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Overview

This guide is intended to help you prepare for a workshop session to educate customers/partners on Azure SQL Database Managed Instance. Managed Instance is a new deployment option with high compatibility with SQL Server and full PaaS benefits.

<https://azure.microsoft.com/en-us/services/sql-database/>

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance-quickstart-guide>

Prerequisites

Presenter skills required: Knowledge of SQL Server, T-SQL, SQL Server Management Studio (SSMS), Azure portal, Azure SQL Database, VNET.

Labs used in this workshop require booking a minimum of 4 days in advance.

How to book the labs

Note: You will need to book the labs for preparation and then again book the labs for the actual training delivery. **Labs must be booked 4 DAYS prior to accessing them.**

1. Go to: <https://www.microsoft.com/handsonlabs/instructorledlabs>
2. You will be routed to a page to log in using one of the following credentials:
 - a. Microsoft Customer
 - b. Microsoft Employee
 - c. Microsoft Partner

If you are not a Microsoft Employee or Partner, you will need to have your Microsoft contact book the labs for you.

3. Select "SQL Managed Instance" from the list of instructor-led-labs.
4. Under Workshop Content, select the "Data & AI" Solution Area. Click "Next".
5. Under Data & AI, click "**SQL Managed Instance**" then the labs you will be using during your workshop.
6. Under Workshop information fill in the purpose, title and number of attendee for your labs.
7. Note: The default limit is 30 people. Add a note in the booking tool to request more people.
8. Under Workshop Location & Time, enter the country, time zone and date for delving labs.
9. Under Facilitators, enter at least one facilitator. They will be emailed a conformation and receive the lab URL when it's ready to run.
10. Under Conform, review and book your workshop.

Once booked, credentials will be emailed to you from the Microsoft Hands-On Labs alias before your session date. For the actual partner delivery, the session will have a unique URL that should be shared with the students to get access to the labs. Students can access the labs one hour before your session begins and throughout the duration of the training.

Before each session

- Once booked, you will receive a calendar request for EACH of the sessions (one for preparation and one for partner delivery)
 - Please accept that invite for the session to be confirmed
 - If you have not received a calendar request within 7 days of your training, please email support@handsonlabs.microsoft.com
 - You will receive session login and password information for you and the students 1 hour before the session is scheduled to begin from Microsoft Hands on Labs (See appendix A for sample email), If you did not receive it, email the sessionsupport@handsonlabs.microsoft.com
- Always walk through the scenarios before a session, even if you have facilitated the same content before as *there are frequent updates to the content*
- If your attendees are bringing their own laptops, make sure they have 3rd party RDP client installed for mac OS or Linux

During the session

- Arrive at least 60 minutes before the session. Prepare and test the environment connection to ensure everything works properly
- Write your session URL (tinyurl/xxxx), provided to you in the lab confirmation email, on a whiteboard so attendees can reference that during the sessions if they accidentally log out or have a hard time reading the demo script.
- Call out instructor-only sections in the scenarios to prevent attendees from causing errors
- Switch to click-through demos if you run into connectivity or system-related issues or if certain scenario is not working properly and switch back to the live hands-on labs for the next scenario
- Administer the event evaluation form before the wrap-up session to ensure high response rate
- In-session user support is available. Email sessionsupport@handsonlabs.microsoft.com

After the session

- Logins used in the session will be automatically disabled approximately one hour after your booked session
- Share any feedback on successes and issues with the hands-on workshop experience, and report an issue by submitting a ticket on the field or partner portal

Support

Support provided by the Hands on Lab platform is Monday through Friday. If you require assistance over the weekend, the support team will not get back to you until Monday. Please try to plan ahead for preparing for the labs should you have questions that need to be addressed.

For general support questions or special workshop requests outside of the booking parameters, please contact the HOL General Support Team: support@handsonlabs.microsoft.com

If any issues are encountered during a live workshop and you require immediate assistance, please contact the HOL Session Support Team: sessionsupport@handsonlabs.microsoft.com

Suggested workshop agenda

Use accompanying PowerPoint deck to deliver the workshop training.

9:00 – 9:15	Welcome and opening remarks
9:15 – 9:45	Intro to Azure SQL Database Value prop, platform benefits including total cost of ownership
9:45 – 10:45	Managed Instance overview Azure SQL Database Managed Instance overview and architecture Hands-on-lab : Provisioning an Azure SQL Database Managed Instance
10:45 – 11:00	Break
11:00 – 11:30	Security & Networking Security overview for Managed Instance and networking considerations Demo : Threat detection
12:30 – 13:30	Lunch
13:30 – 14:15	Features and capabilities Key capabilities, limitations, backup & restore using Managed Instance
14:15 – 14:45	Replication and Monitoring Demo : Azure SQL Analytics
14:45 – 15:00	Break
15:00 – 15:45	Migration Migration overview and options Demo : Data Migration Assistant Hands-on-lab : Migrate a SQL database to an Azure SQL DB Managed Instance
15:45 – 16:30	Extract Load & Transform services ELT/ETL services overview. Running SSIS in the cloud Hands-on-lab : SQL Managed Instance data integration and business intelligence
16:30 – 17:00	Hyperscale New, highly scalable service tier that adapts on-demand to your workload's needs Demo : Point in time restore 50TB Database
17:10 – 17:10	Closing Technical resources Q&A

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