



MAKE IT
cLOUD

Neum 18-20/4/2018

NetWork 

Migracija i upravljanje bazama podataka na Azure

Mustafa Toroman
Authority Partners



Migracija i upravljanje bazama podataka na Azure

Mustafa Toroman
Authority Partners



platinum sponsor

LOGOSOFT

telekomunikacijski sponsor

HT ERONET

oficijelni brend konferencije

Lenovo

gold sponzori

Addiko Bank


AUTHORITY PARTNERS

bh

 **COMTRADE**
DISTRIBUTION

EPSON
EXCEED YOUR VISION

KimTec

LANACO
INFORMACIONE TEHNOLOGIJE

 **nsoft**

PROINTER
IT SOLUTIONS AND SERVICES


SEMOS
we can give you everything you need

 **sys company**

teamwork
solution provider

veeam

silver sponzori


Volkswagen

PORSCHE
SARAJEVO


Audi

APP IMPACT
impacting your business

INFODOM


mistral
because it matters

PHILIPS
Televizori

prijatelji konferencije

communis

 **FANFAN**


GALAKTIKA

PROEVENT


SARAJEVO
BUSINESS
FORUM '18


UNIQA

W>
WeAreDevelopers

BREW

zvanično craft pivo

medijski sponzori

akta

 **ALJAZEERA**
BALKANS

20
stvbi.com

Banke & Bizniš

 **Banjaluka.com**
—glavni banjalučki portal—

BHRT

 **bijesak info**
by business people


business

Dnevni list

FAKTOR

FBL

FENA FEDERAL NEWS AGENCY

 **hayat.ba**

HAYAT | HD

INFO
www.info.ba

 **Poduzetnik.ba**

racunalo
www.racunalo.com

REUNION

RSG
RADIO

STUDENT

STUDOMAT

TERMINAL



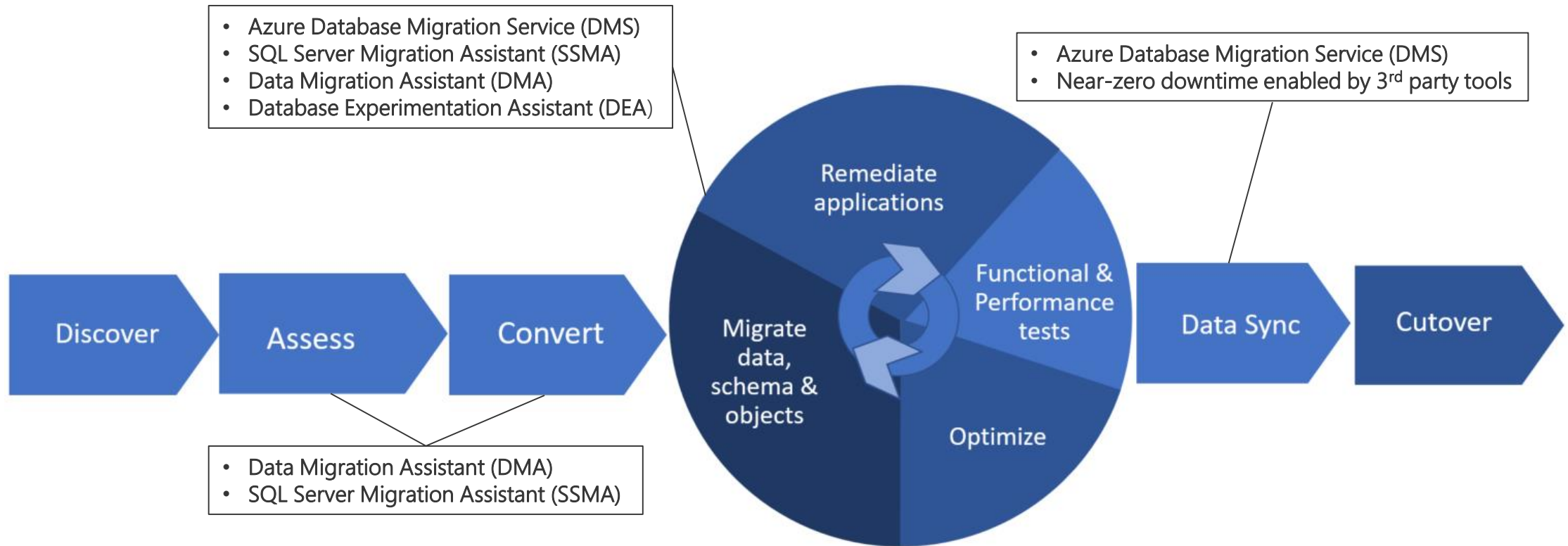
Speaker Introduction

- Mustafa Toroman
- System Engineer @ Authority Partners
- @toromust
- mustafa.toroman@authoritypartners.com
- <http://toroman.cloud/>
- Microsoft Azure MVP
- MCSE, MCP, MCSA, MCITP, MCSD, MCT, MS v-TSP



The migration lifecycle

M I G R A T I O N G U I D E



Upgrade and migration tools



DMA+DEA



SSMA/DMS



Microsoft Azure



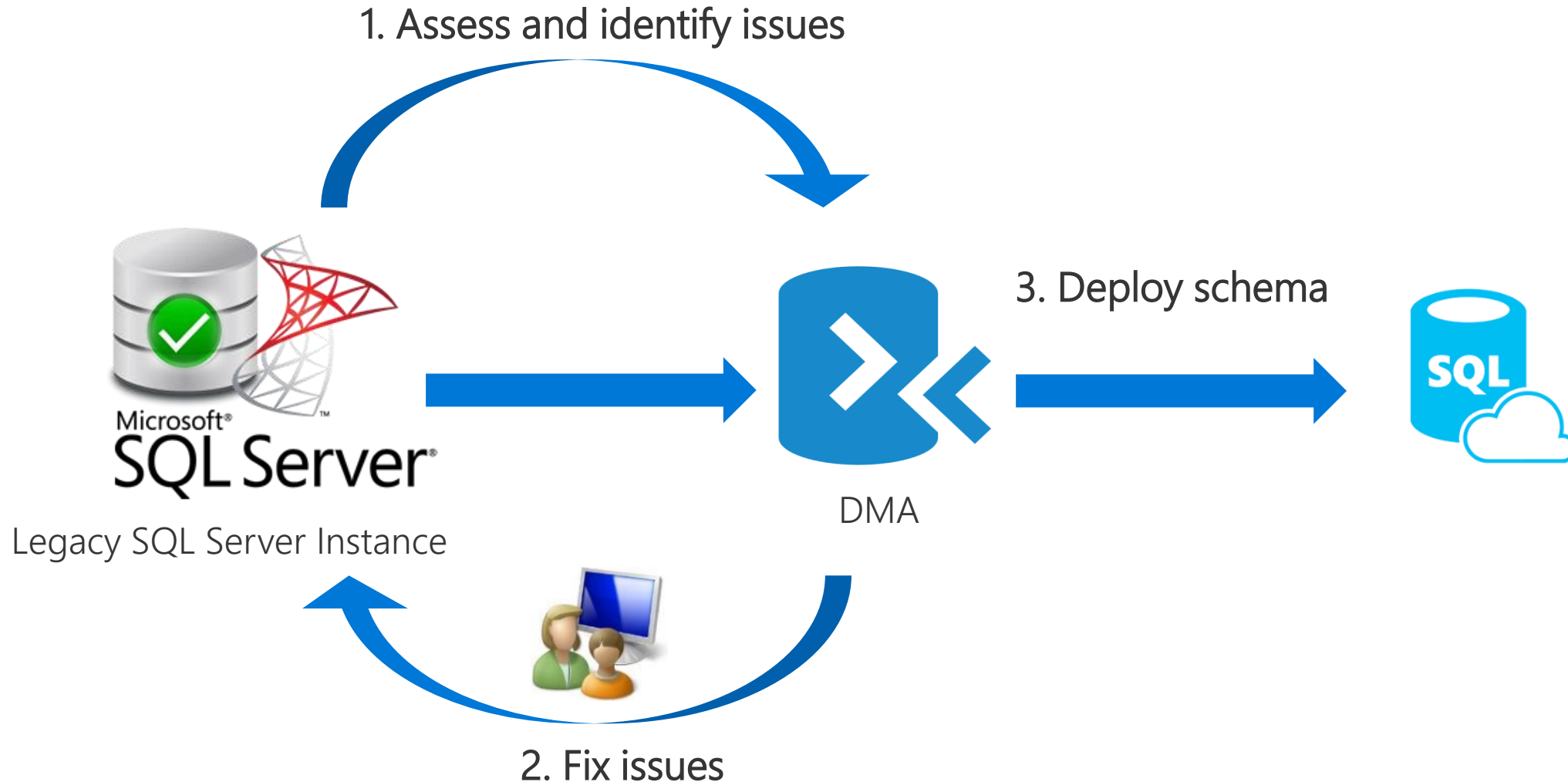
DMA/DMS



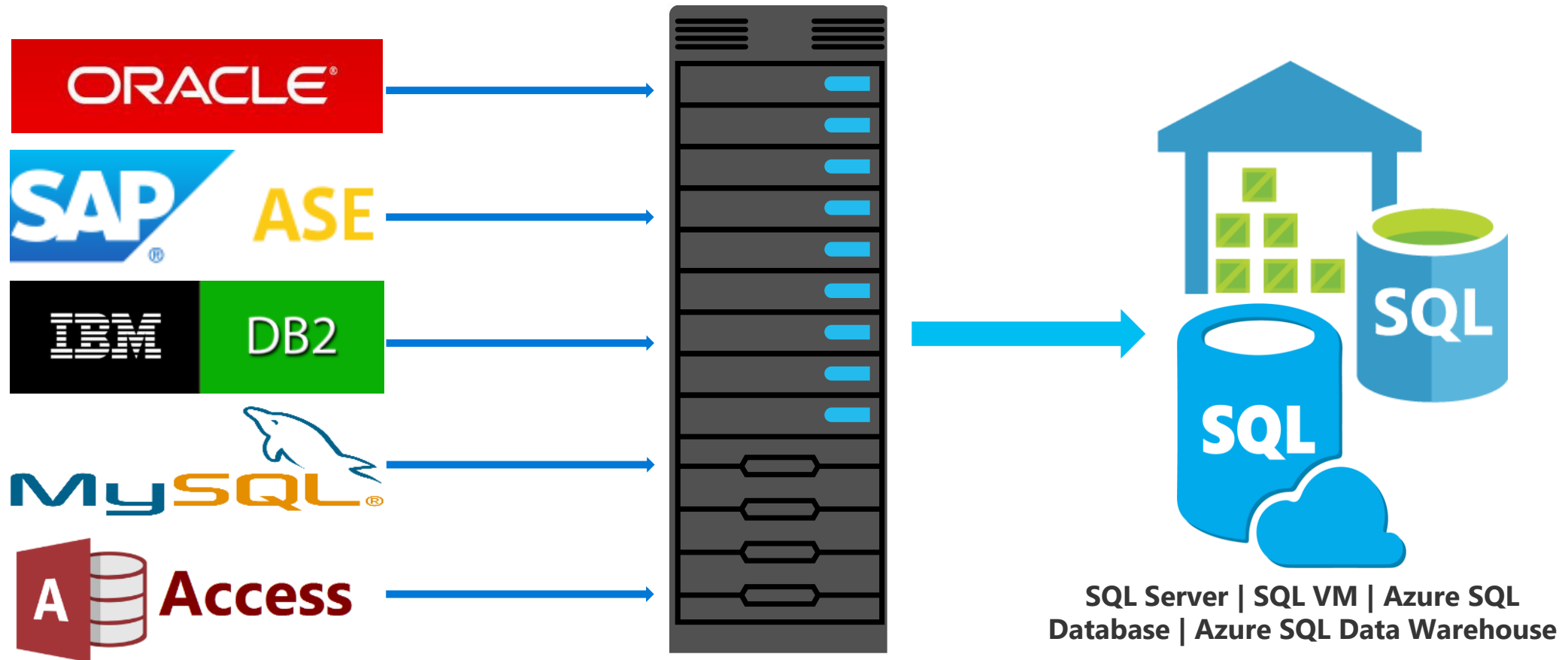
Microsoft Azure

Database Migration Assistant (DMA)

Assess, fix and deploy schema

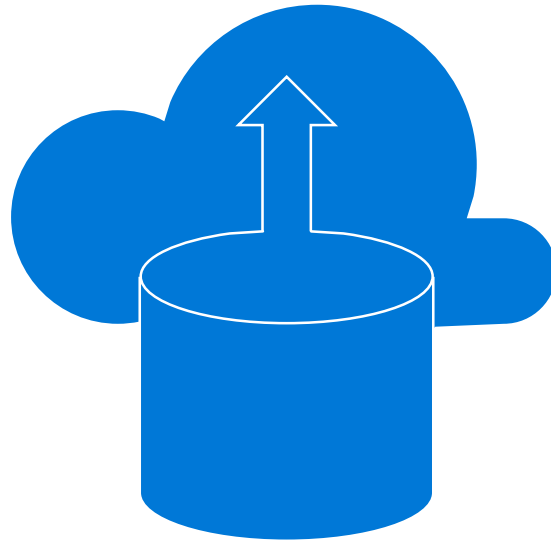


SQL Server Migration Assistant (SSMA)



Azure Database Migration Service

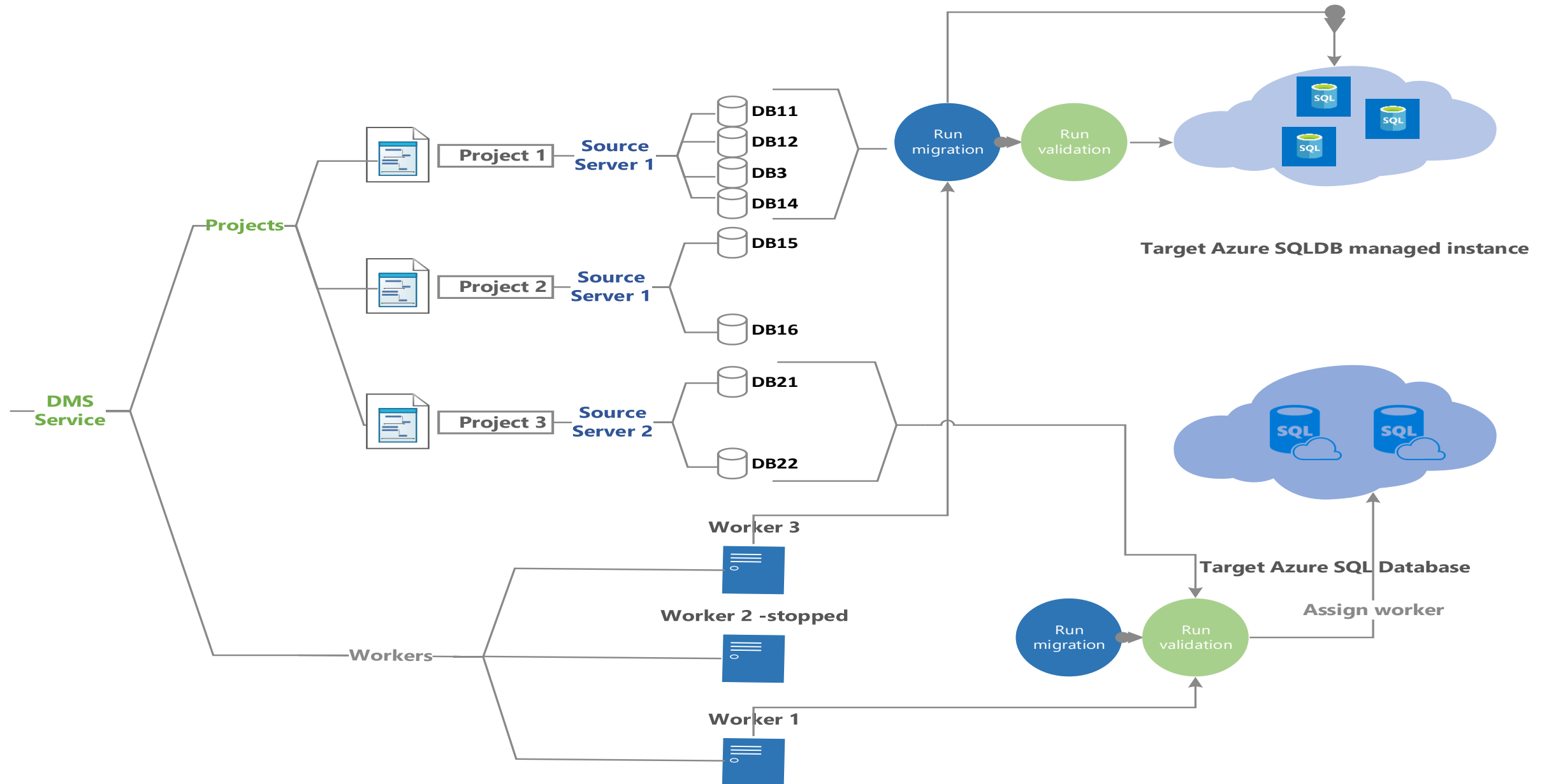
Accelerate your journey to the cloud



Azure Database Migration Service (Azure DMS)

A seamless, end-to-end solution for moving on-premises SQL Server, Oracle, and other relational databases to the cloud.

DMS – Conceptual Model



Introducing Azure SQL Database Managed Instance

Managed Instance

Instance scoped programming model with high compatibility to on-premises databases

Single

Standalone managed database best for predictable and stable workloads

Elastic pool

Shared resource model best for greater efficiency through multi-tenancy

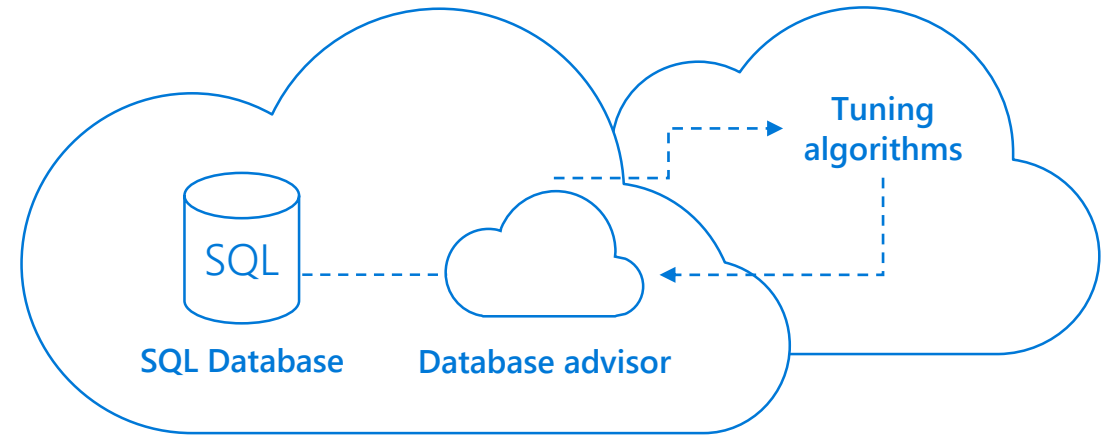


Best for modernization at scale with low cost and effort

BUILT-IN INTELLIGENCE TO PROTECT AND OPTIMIZE

Built-in intelligence learns unique database patterns and automatically tunes for improved performance

Intelligent Threat Detection monitors, detects, and alerts on malicious activities



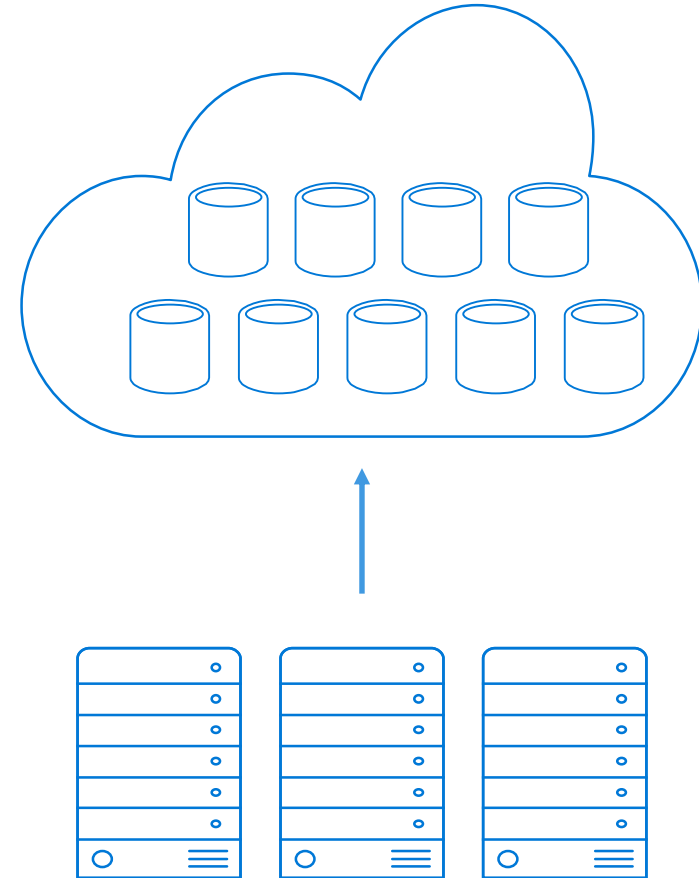
SEAMLESS AND COMPATIBLE

Lift and shift your SQL Server data with Azure SQL Database Managed Instance

Easily migrate your data with near zero downtime with Azure Database Migration Service (DMS)



Tools for the journey to SQL Database



SAVE TIME WITH FAMILIAR SQL SERVER TOOLS AND RESOURCES

Eliminate app changes with full SQL Server programming surface

Use familiar SQL Server features in SQL Database Managed Instance

Native backup and restore

Cross-database queries and transactions

Broad security features including Transparent Data Encryption, SQL Audit, Always Encrypted and Dynamic Data Masking

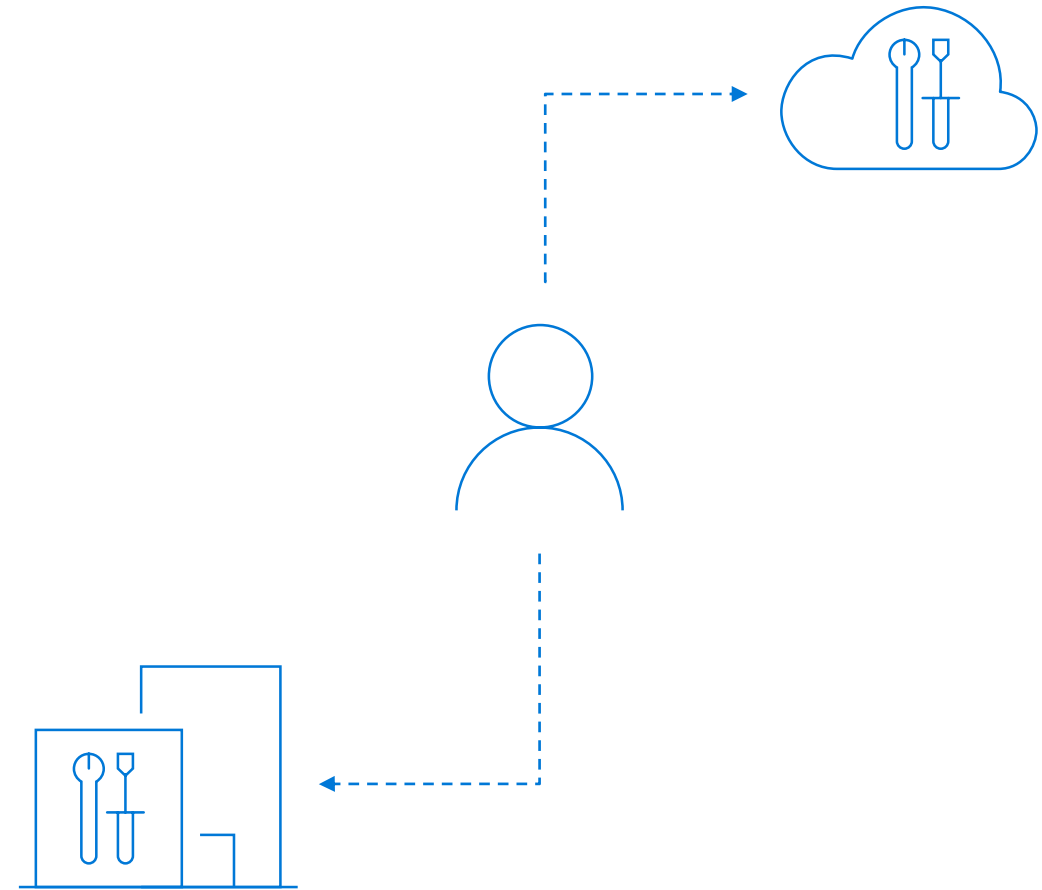
SQL Agent, DBMail, and Alerts for workload orchestration improved awareness

Scenario enablers including Change Data Capture, Service Broker, Transactional Replication, and CLR

DMVs, XEvents, and Query Store for troubleshooting



Full compatibility with SQL Server 2005+



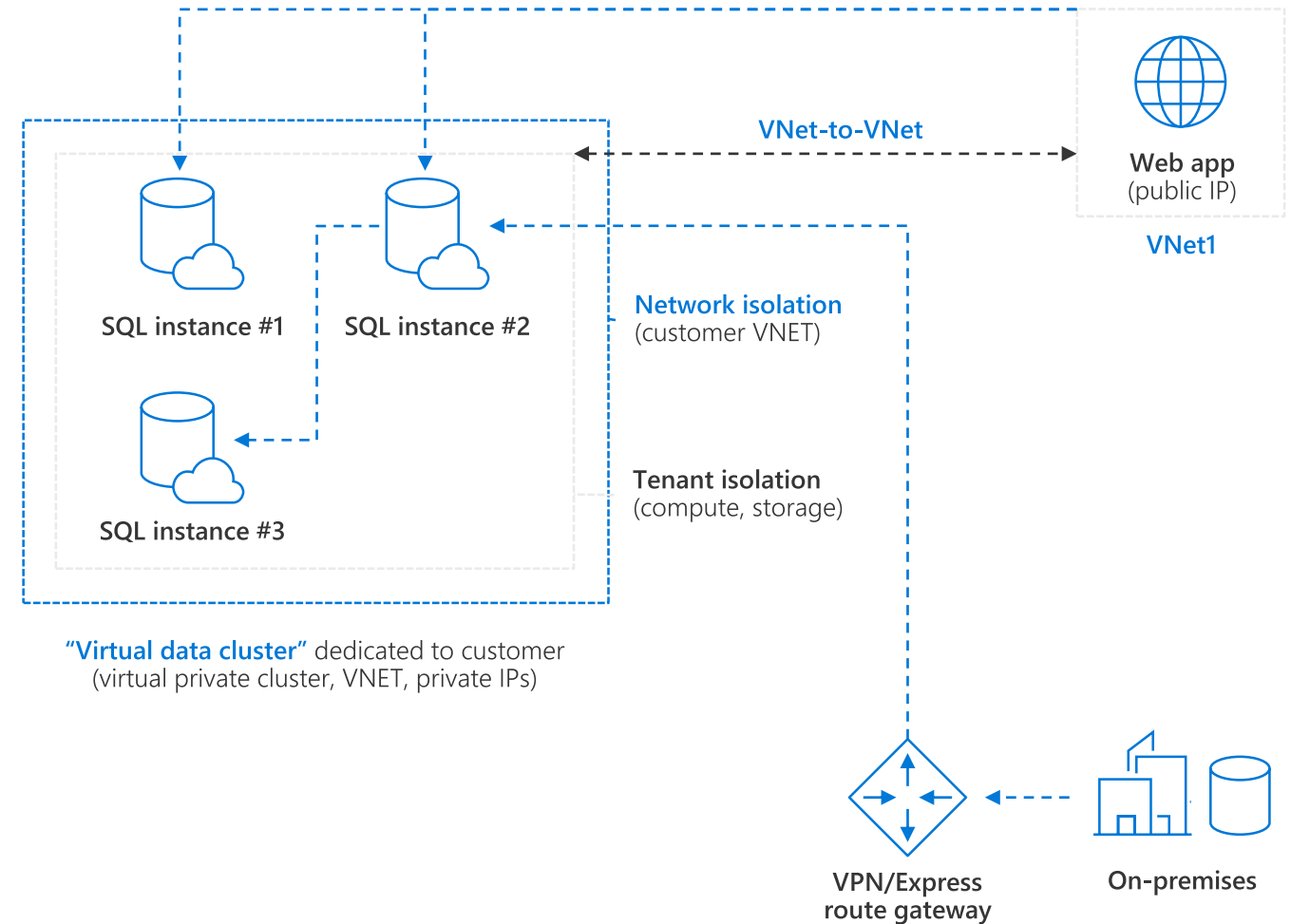
DEDICATED RESOURCES THROUGH CUSTOMER ISOLATION

Enable full isolation from other tenants without resource sharing

Promote secure communication over private IPs with VNET integration



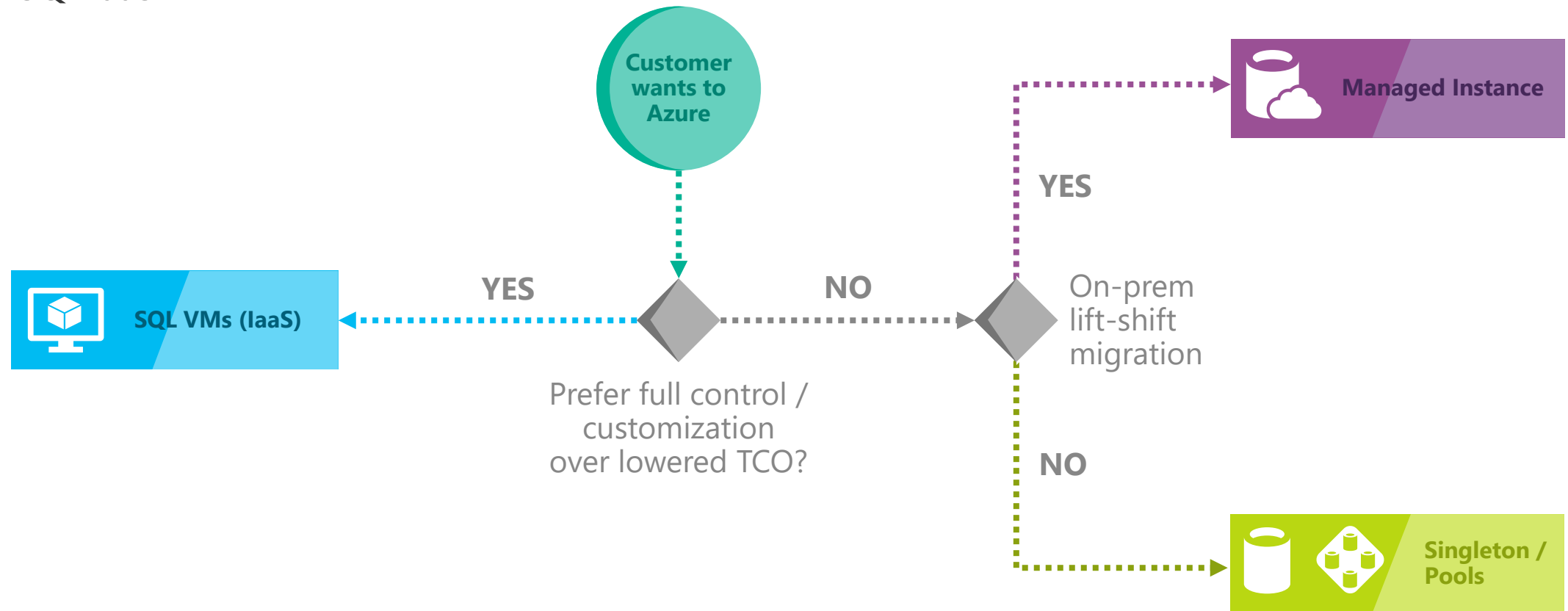
VNET support in SQL Database Managed Instance



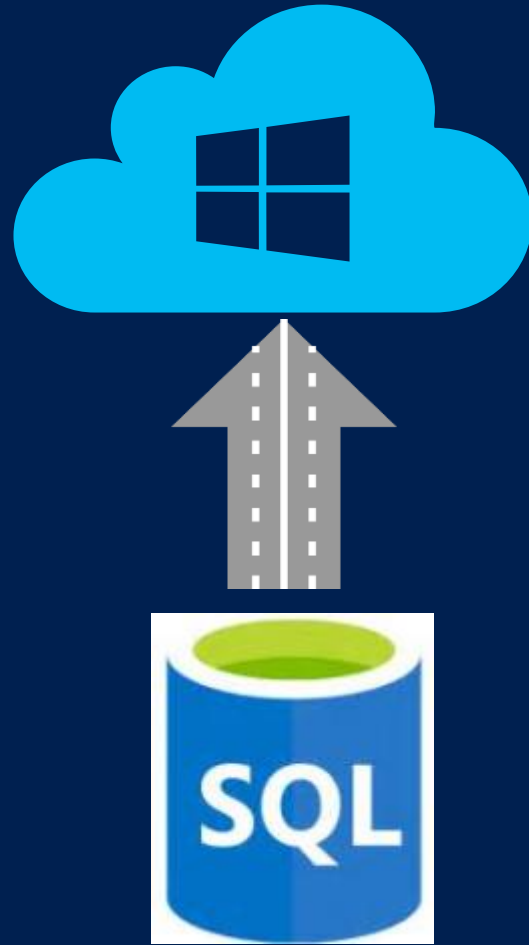
What's the best choice?

SQL IaaS

SQL PaaS



Demo





Q&A!



Thank you!
Hvala!