Data modernization to the Cloud

Webinar series, April 2020

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Introduction

Mihály Kiléber - Senior Azure Engineer
mihaly.kileber@softline.com

Focus Area: SQL Server and Azure SQL services together with dependent components

Certifications:
- MCS & MCP Implementing Microsoft Azure Infrastructure Solutions
- MS RaaS (Risk Assesment as a Service) and RAP accreditation
- 1:1 Packaged Service Essentials accreditation
- Cloud Mentor Program and Partner Learning Plans
- MC Azure Solutions Architect Expert

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Softline Facts and Figures

4500+
team members

1500+
account managers

1000+
sales and technical presale professionals

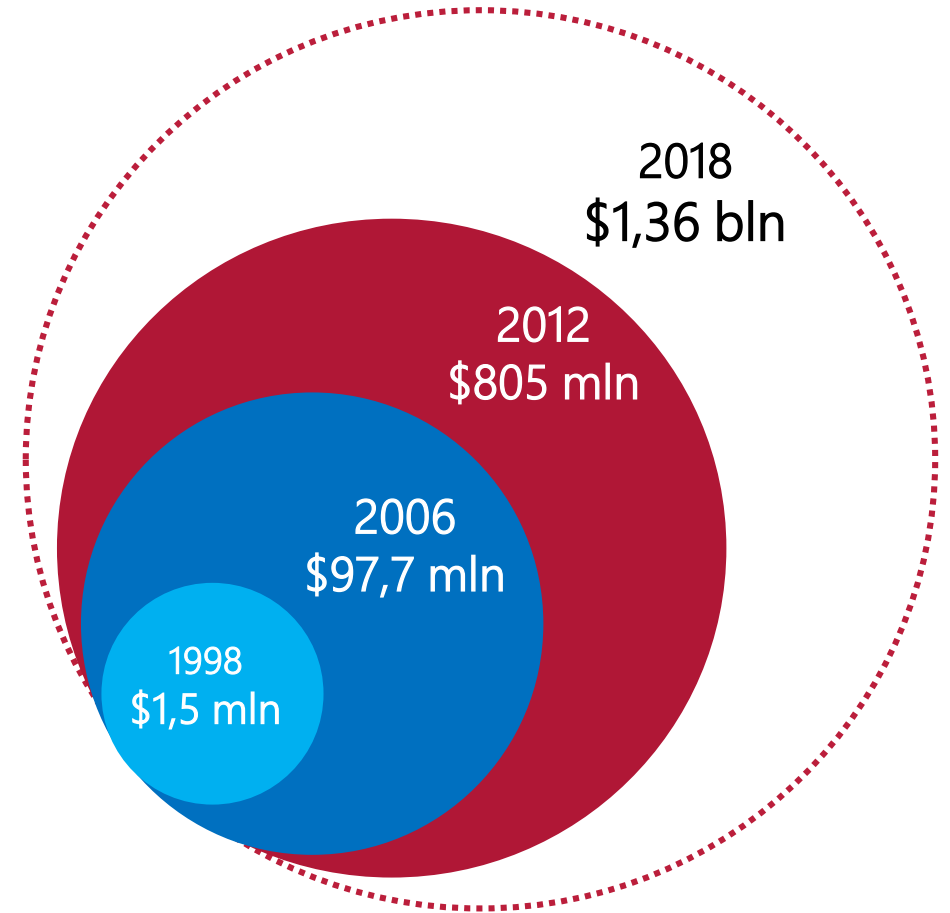**1.36 Billion $**
Sales Volume 2018 in the Group of companies

1000+
engineers and developers

50+ countries
95+ cities

26
years in the IT market

2018
$1,36 bln

2012
$805 mln

2006
$97,7 mln

1998
$1,5 mln

Turnover data

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Agenda

Webinar 1: Prerequisites – Required Resource Providers; Storage Container preparation

Webinar 2: Prerequisites – Azure Fileshare; Azure Database Migration Tools

Webinar 3: Prerequisites – Azure App Service; Azure Database Migration Service

Webinar 4: Prerequisites – Azure SQL DB (PaaS)

Webinar 5: Prerequisites – Azure SQL VM (IaaS), Azure SQL MI (IaaS)

Webinar 6: Migration – Migrate SQL to Azure SQL DB

Webinar 7: Migration – Migrate SQL to Azure SQL VM using Backup/Restore technique
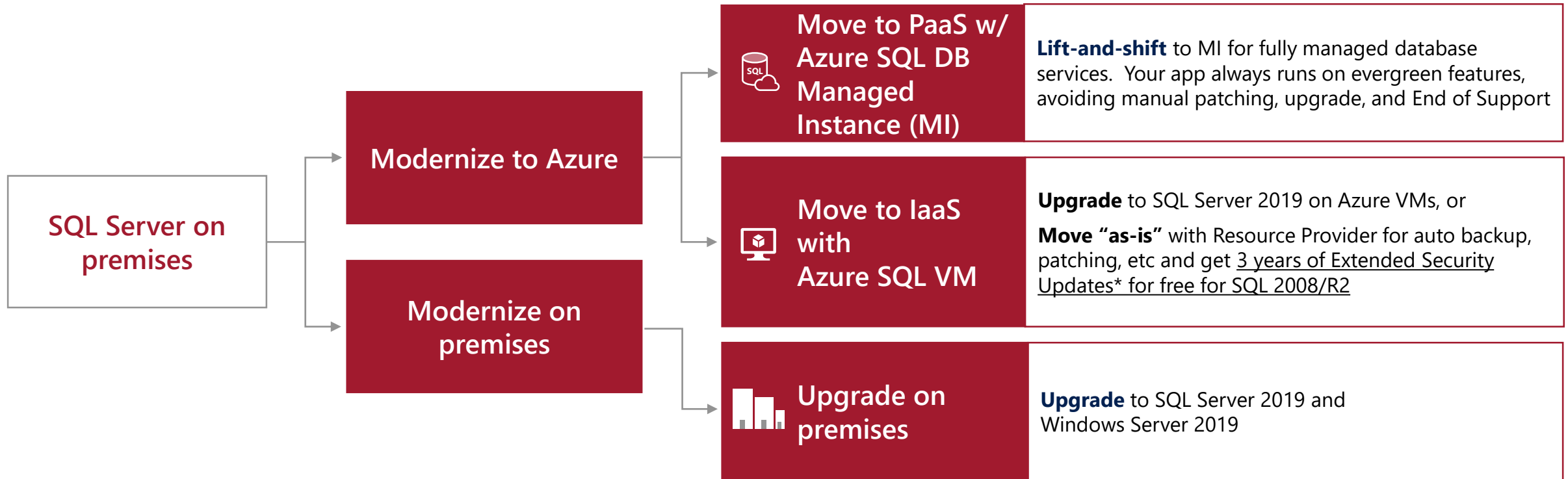
Webinar 8: Migration – Migrate SQL to Azure SQL VM Assess/Migrate using DMA

Webinar 9: Migration – Migrate SQL to Azure SQL MI Assess/Migrate using DMS

Webinar 10: Migration – Migrate Website/Web Application to Azure App Service using DMS; Recap

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Migration Options for your SQL Databases
The best destination for SQL workloads in the cloud

SQL Server on premises

Modernize to Azure

Modernize on premises

Move to PaaS w/ Azure SQL DB Managed Instance (MI)

Lift-and-shift to MI for fully managed database services. Your app always runs on evergreen features, avoiding manual patching, upgrade, and End of Support

Move to IaaS with Azure SQL VM

Upgrade to SQL Server 2019 on Azure VMs, or

Move "as-is" with Resource Provider for auto backup, patching, etc and get 3 years of Extended Security Updates* for free for SQL 2008/R2

Upgrade on premises

Upgrade to SQL Server 2019 and Windows Server 2019

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Azure IaaS vs Paas

Different Azure Data Services give you different levels of control and flexibility for your data.
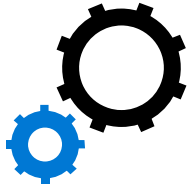
For a high level of control including the ability to pick SQL Server and OS version, choose IaaS.

For automated management and administration, choose PaaS.
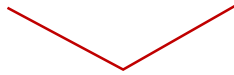
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On-premises	Infrastructure as a Service	Platform as a Service
Threat Detection, Risk Management	Threat Detection, Risk Management	Threat Detection, Risk Management
Performance Management	Performance Management	Performance Management
Applications	Applications	Applications
Data	Data	Data
High availability /DR/Backups	High availability /DR/Backups	High Availability/ DR/Backups
Database Provision/ Patch/Scaling	Database Provision/ Patch/Scaling	Database Provision/ Patch/Scaling
O/S provision /patching	O/S	O/S
Virtualization	Virtualization	Virtualization
Hardware	Hardware	Hardware
Datacenter Management	Datacenter Management	Datacenter Management
SQL Server 2017 MySQL/PostgreSQL/ MariaDB	**Azure SQL VMs Azure Win/Linux VMs**	**Azure SQL Database Azure Database for MySQL/PostgreSQL/MariaDB**
Managed by customer	Managed by Cloud provider	Azure Database Platform differentiation

SQL Resource Provider – Bringing the benefits of Marketplace Images to Self-Installed VM Images
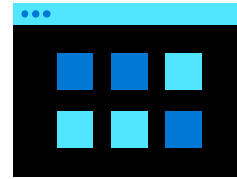
Comprehensive feature set

Self-installed VMs registered with RP now can access automation features in Azure Marketplace images

Leverage auto-backup, auto-patching, and automate Always On Availability Groups to avoid time-consuming admin and VM customization

Dashboard view for VM awareness

Azure VMs are now discoverable on the new Azure SQL blade in Azure Marketplace

Easily manage your SQL VM and SQL PaaS deployments from one central location

Simple license conversions

Self-installed VMs with RP can be easily converted to PAYG images

Save money by converting variable workloads with Software Assurance to PAYG images

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DEMO
Azure App Service;
Azure DB Migration Service

Questions?

You can reach out to me at: mihaly.kileber@softline.com

Contact us at any of our counry e-mail addresses:

Bulgaria: info@softline.bg

Croatia: info@softline.hr

Hungary: info@softline.hu

Romania: info@softline.ro

Serbia: info.serbia@softline.com

Slovenia: info@softline.si

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