Offensive Azure Security

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Conference speaker

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- Microsoft MVP: Microsoft Azure
- OSCP, OSEP
- MCT, MCT Regional Lead, Microsoft 365 Certified Expert, Azure Certified Expert
- EC Council: CEH Master, ECSA Master, CEI
- CREST: CPSA, CRT

Hybrid Active Directory

Azure Virtual Machines

Web App with Azure SQL

Azure AD Connect

Azure Virtual Machines

Web App with Azure SQL

AD DS Connector account required permissions

Permission	Used for
Replicate Directory Changes Replicate Directory Changes All	Password hash sync
Read/Write all properties User	Import and Exchange hybrid
Read/Write all properties iNetOrgPerson	Import and Exchange hybrid
Read/Write all properties Group	Import and Exchange hybrid
Read/Write all properties Contact	Import and Exchange hybrid
Reset password	Preparation for enabling password writeback

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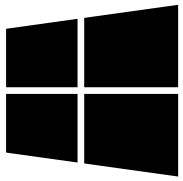
Slave-node



Master-node

Web App with Azure SQL

Microsoft
Active Directory

Azure AD
Connect

Slave-node

Master-node

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Microsoft Active Directory

Azure AD Connect

Slave-node

Master-node

App GW with WAF

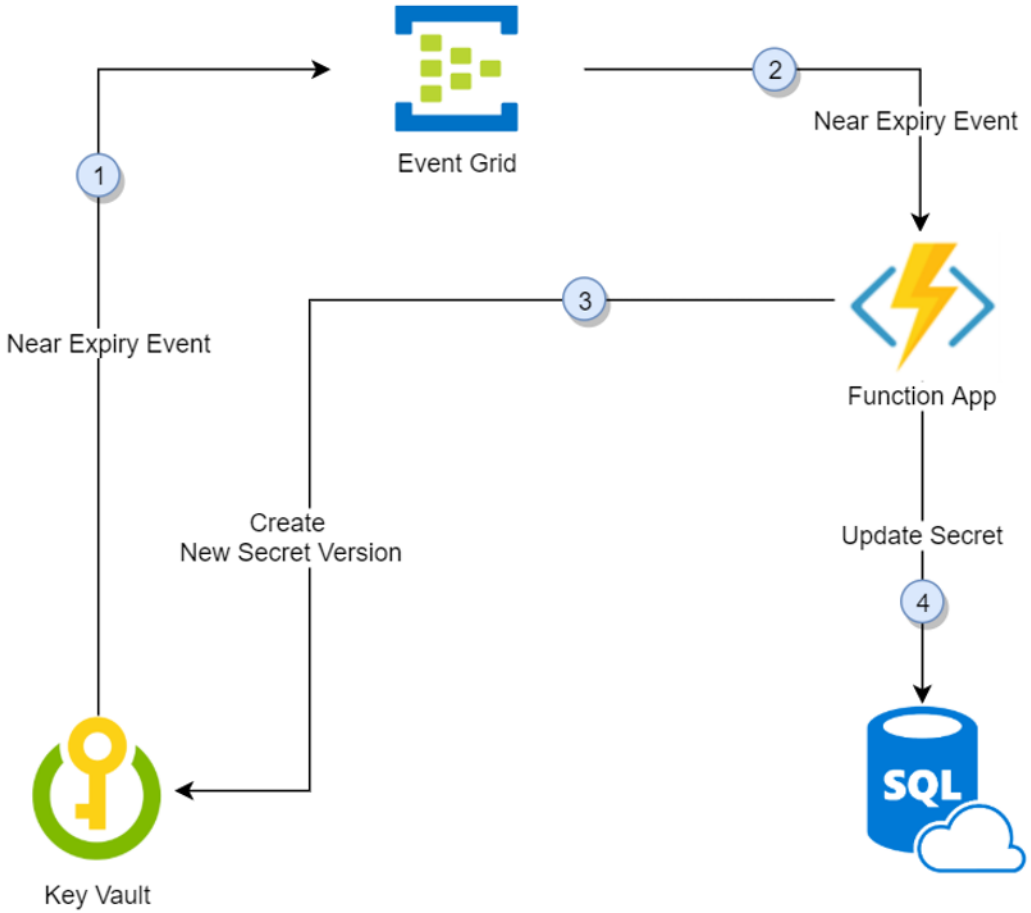
Web App

Credentials

Credentials rotation

Azure SQL Backend

AKV Secrets rotation



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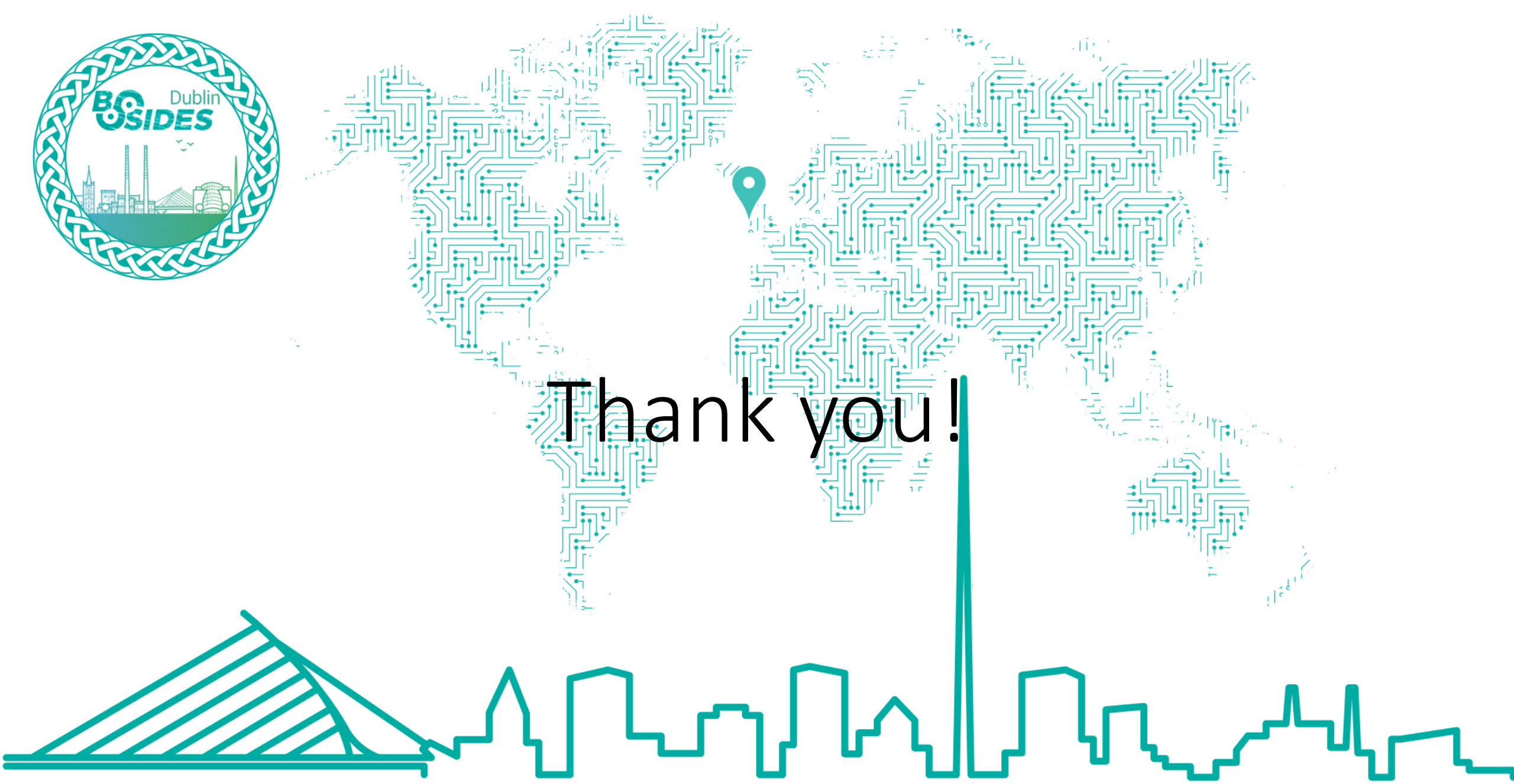
Thank you!