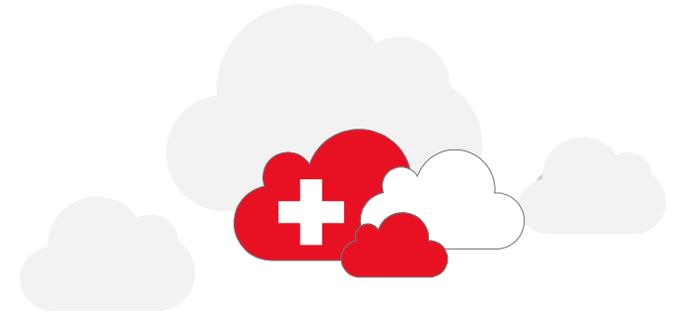


Microsoft Cloud in Switzerland

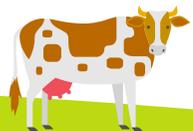
ALSO Cloud Day Baden 13.2.
Primo Amrein – Cloud Lead

160 – 600 – 6000



Great progress in the Swiss Cloud Regions since the **launch 160 days ago**:

- **>600 Swiss Azure clients** onboarded with local customer data residency
- **>6000 new O365 tenants** set-up in CH in first month after O365 launch
- Launched new workloads e.g. for containers or cloud-native applications



Microsoft Cloud in Switzerland



Compliance



Data
Residency



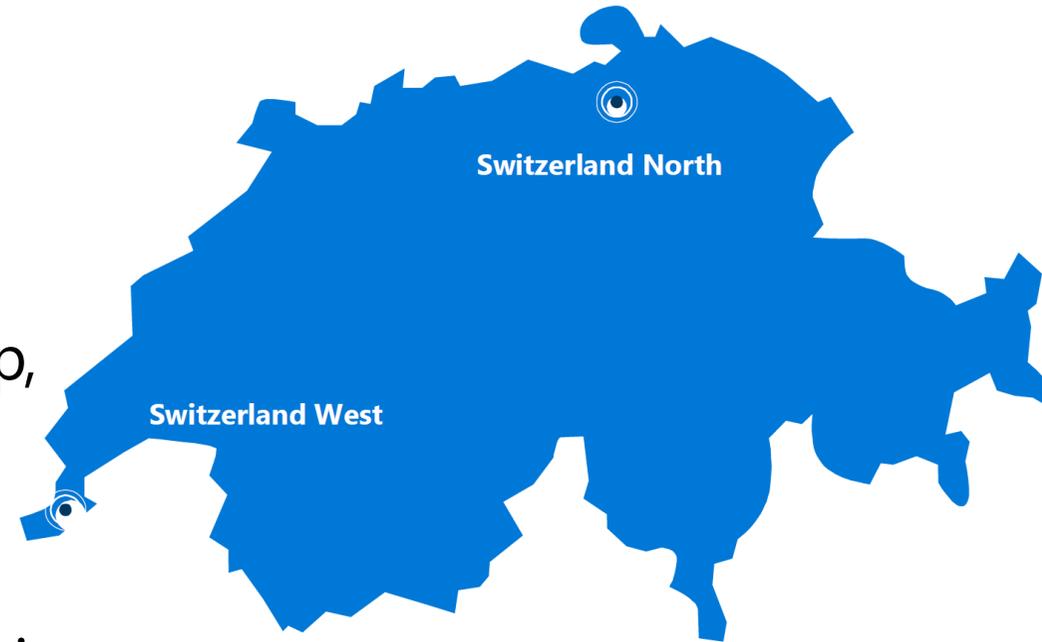
Performance



Swiss Set-up



- CH North & CH West are paired within Switzerland, **customer data at-rest does not leave Switzerland**
- Region pairing enables geo-replication for data backup, **in-country disaster recovery as a plus**
- Based on the **same trust principles** as our global offerings



Rollout Sequence



- Azure IaaS and some PaaS (Azure SQL DB, Cosmos DB) launched in August 2019
- Further Azure services are deployed in Switzerland step-by-step
- Office 365 launched in December 2019
- Dynamics 365 and Power Platform follow later in 2020



Azure Launch Services



Application Gateway	Key Vault
Azure Cosmos DB	Load Balancer
Azure Data Lake Storage Gen2	Service Bus
Azure Resource Manager	Service Fabric
Azure SQL Database	Storage
Azure SQL Database/Managed Instance	Storage/Disk Storage
Azure SQL Database/SQL Data Sync	Storage/Hot/Cool Blob Storage Tiers
Azure Service Manager (RDFE)	Storage/Managed Disks
Backup	VPN Gateway
Cloud Services/Av2-Series/Dv2-Series/Dv3-Series/Ev3-Series/M-Series	VPN Gateway/Virtual WAN
Cloud Services/Instance Level IPs	Virtual Machine Scale Sets
Cloud Services/Reserved IP	Virtual Machines Av2-Series/B-Series/DS-Series/DSv2-Series/DSv3-Series/Dv2-Series/Dv3-Series/ESv3-Series/Ev3-Series/F-Series/FS-Series/M-Series
Event Hubs	Virtual Machines/Instance Level IPs
ExpressRoute	Virtual Machines/Reserved IP
ExpressRoute/ExpressRoute Circuits	Virtual Network
ExpressRoute/Gateways	Site Recovery
Redis Cache	



Further Azure Services Launched after Go-Live



- Azure Kubernetes Service
 - Web Apps / App Services / ASE (Windows variations)
 - Azure DB for PostgreSQL / MySQL / MariaDB
 - SQL Data Warehouse
 - Azure Firewall
 - Log Analytics
 - Application Insights
 - Azure Functions
 - Event Grid
- In recent weeks:
- API Management
 - Batch
 - Container Registry
 - HDInsight



Azure Services Roadmap



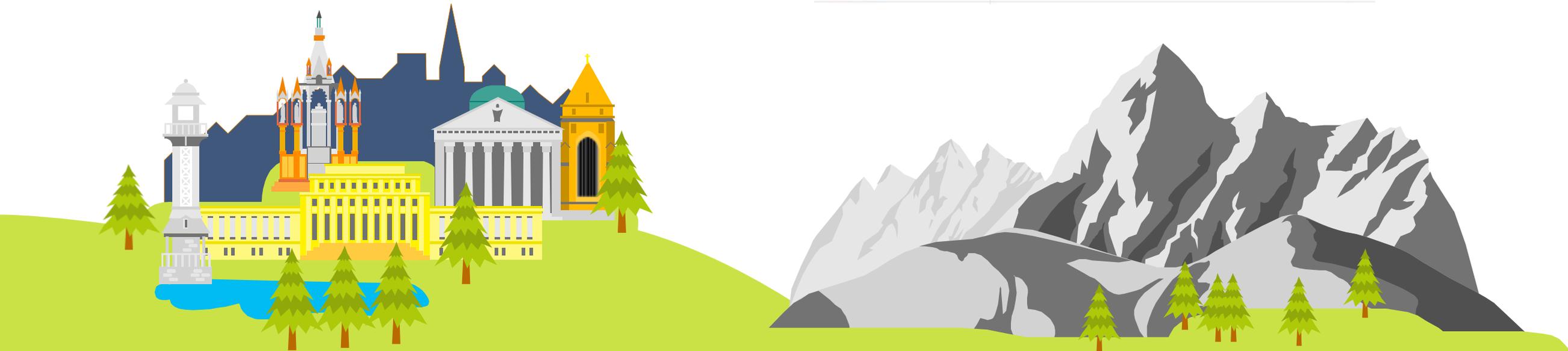
The official Azure Roadmap is published here:

<https://azure.microsoft.com/en-us/global-infrastructure/services/>

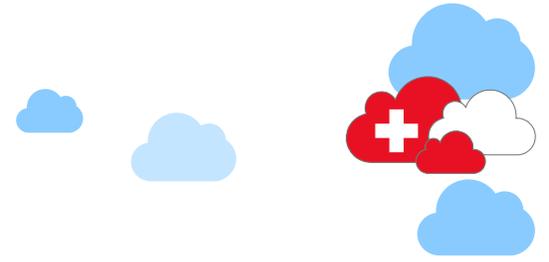
(mouse-over "Future availability" icons for expected GA date)

Computer Vision	
Content Moderator	
Custom Vision	
Face	
Language Understanding	
QnA Maker	
Speaker Recognition	
Speech Services	
Text Analytics	

GA expected
Q1 2020



Office 365 Launch Services



- Core customer data at-rest stays within Switzerland for the following services:
 - Exchange Online mailbox content (e-mail body, calendar entries, and the content of e-mail attachments)
 - SharePoint Online (site content and files stored within that site)
 - OneDrive for Business (uploaded files)
 - Teams (chats)
 - Other Services per [this overview](#)
- Existing O365 tenants of CH & LIE clients migrate per the information under <http://aka.ms/move>



Main CH DC Value Proposition vs e.g. EU



- Local Data Residency, including contractual commitment that customer data at-rest stays within Switzerland
- Latency measurements show considerable improvements over AMS/DUB



Pricing



- With Azure, regional uplifts are standard and of course Switzerland also falls under this
- Azure in CH North is on average 10-20% more expensive than Amsterdam, depending on workload
- CH West has a further uplift – per the global standard for Azure disaster recovery sites
- O365: same pricing in CH DC as with other DCs



Compliance and Data Protection



- [Globally applicable certifications](#) to be inherited in Switzerland
 - Swiss DCs received C5, SOC 2 Type II and SOC 3 certifications as well as ISO 27001, 27018 & 27701
- Microsoft commits in its contracts to abide by the requirements of the Swiss Data Protection law
- Microsoft's commitment for the storage location of customer data at rest can be found in the [Microsoft Online Services Terms \(OST\)](#) – CH listed as own geography in the January OST release
- [Service Trust Portal](#) including compliance documentation, audit reports etc



Trust Center



New and Archived Audit Reports

Use these reports to stay current on the latest privacy, security, and compliance-related information.

Archived Compliance Reports FedRAMP Reports GRC Assessment Reports

Document	Description
 Azure - ISO 27001 and 27018 Assessment Report - 11.2.2017	Third party independent audit assessment report for fiscal year 2018.
 Azure - ISO 27001 Certificate - 11.2.2017	This documents details scope of ISO 27001 audit.
 Azure - ISO 27001 and ISO 27018 - Statement of Applicability - 11.2.2017	This documents details scope of ISO 27001 and ISO 27018 Operations.
 Azure - ISO 27018 Certificate - 11.2.2017	Certificate demonstrating Azure's compliance with ISO 27018.
 Office 365 - Germany ISO 27001, ISO 27018, and ISO 27017 Audit Assessment Report Year 2018.pdf	Third party independent audit assessment report for ISO 27001 - Information Security Management Standard, ISO 27018 - Code of Practice for Protecting Personal Data in the Cloud, and ISO 27017 - Code of Practice for Protecting Personal Data in the Cloud.
 Azure - CSA STAR Certificate - 2.12.2018	Certificate demonstrating Azure's compliance with CSA STAR.
 Office 365 - Information Security Management System (ISMS) manual 2017.docx	The Office 365 Information Security Management System (ISMS) manual details the ISMS processes and procedures. Herein are mappings and references linking the ISMS activities to relevant ISO IEC 27001:2013, ISO 27001:2015, and ISO 27001:2017 Controls.
 Office 365 - ISO 27001, 27017, and 27018 ISMS Statement of Applicability (SOA) 2017.xlsx	ISMS Statement of Applicability (SOA) for Office 365 Information Security Management Standard, ISO 27017 - Code of Practice for Protecting Personal Data in the Cloud, and ISO 27018 - Code of Practice for Protecting Personal Data in the Cloud.
 Office 365 - ISO 27001, ISO 27018, and ISO 27017 Audit Assessment Report Year 2017.pdf	Third party independent audit assessment report for ISO 27001 - Information Security Management Standard, ISO 27018 - Code of Practice for Protecting Personal Data in the Cloud, and ISO 27017 - Code of Practice for Protecting Personal Data in the Cloud.
 Visual Studio Team Service (VSTS) ISO 27018 Certificate of Registration 2017.pdf	Visual Studio Team Service (VSTS)'s achievement in demonstrating that its security procedures are robust and in line with its high standards.

-  Azure - ISO 27018 Certificate of Registration
-  Azure - ISO Assessment Residual Risk Statement v5.0
-  Azure - FY17 ISO 27017 Assessment Report
-  Azure - Microsoft FY17 ISO 20000-1 Assessment Report
-  Azure - FY17 - ISO 20000-1 Certificate
-  Azure - FY17 ISO 27017 Statement of Applicability
-  Azure - FY17 ISO 20000-1 Statement of Applicability
-  Azure - FY17 ISO 27017 Certificate
-  Azure - CY17 ISO 27001 Certificate - IS 577753



Microsoft Cloud in Switzerland

Extract of Client References and Testimonials

Clients



Solutions



swiss energy exchange swenex

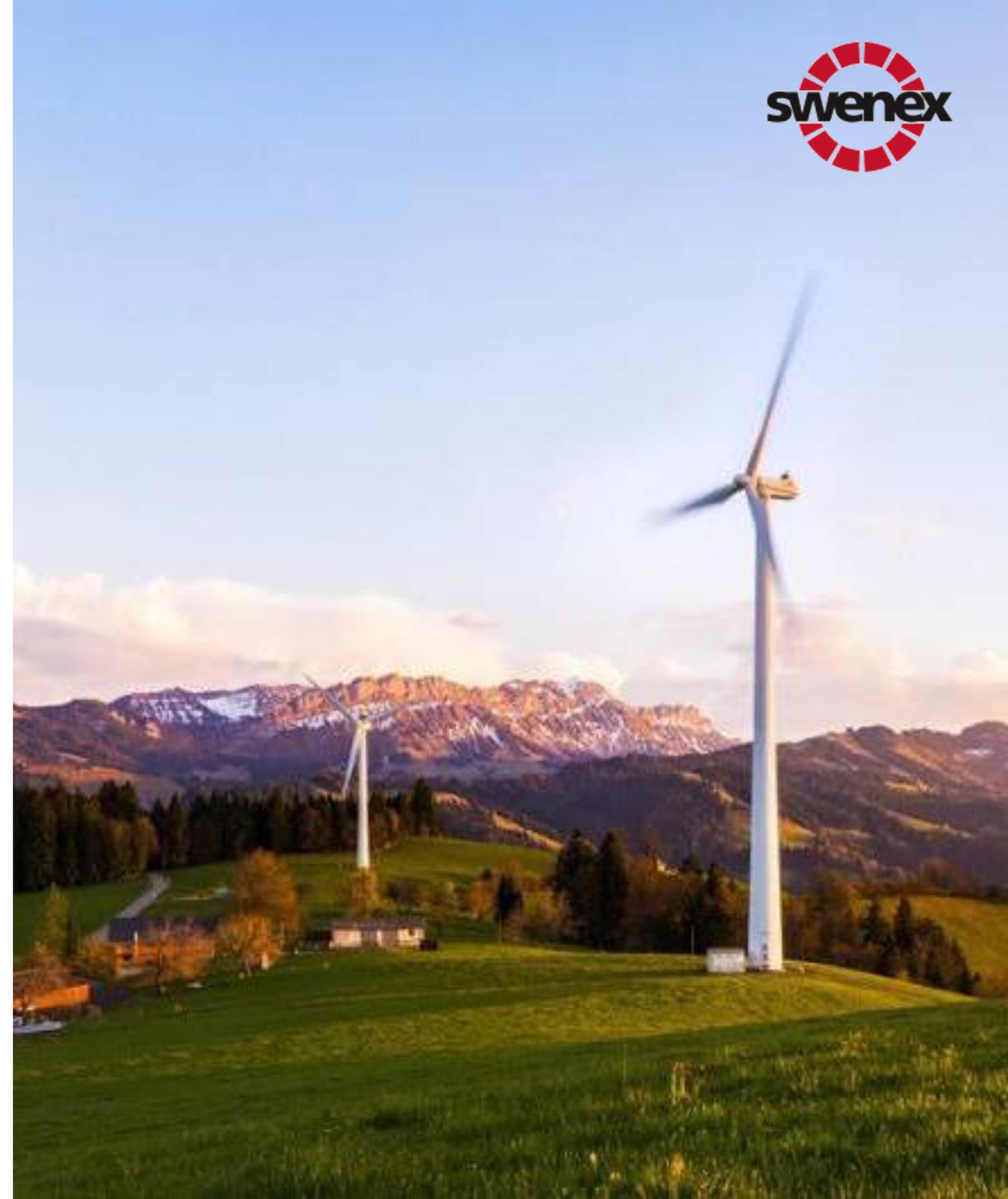
swenex deployed into the Swiss Data Center as part of the Early Adopter Program

Why Swiss Data Center?

- Legal & Compliance: Swiss Data Residency
- Proper Geo Redundancy Set-up for Public Sector end-clients
- Local Connection
- Lower Latency

About swenex

[swenex](#) is a leading energy service company in Switzerland for end clients in the field of permanent energy management (energy procurement, energy data management and billing).





Geocloud is a data logistics specialist and provides GeoApps® and GIS intelligent software tools for geospatial and factual data usage

REASONS FOR SWISS AZURE DC

- Regulatory requirements are met as most clients are within Swiss Public Sector
- No hardware refresh costs anymore
- Scalability, agility and innovation gains

biopartner

Customer:

- Bio Partner Schweiz is the leading organic wholesaler in Switzerland

Case:

- «Cloud First» strategy versus on-premise to further expand business
- Azure and Managed Services (Monitoring, Update and Incident Management)
- Later: Office 365 implementation and Teams roll-out

Customer Benefits:

- In line with the Swiss philosophy, the management wants to keep data in Switzerland
- Lower latency with Swiss DC
- Flexibility, agility to drive innovations fast & more IT resources to implement digital change

EXPLORIS

AI-based Platform for Medical Applications

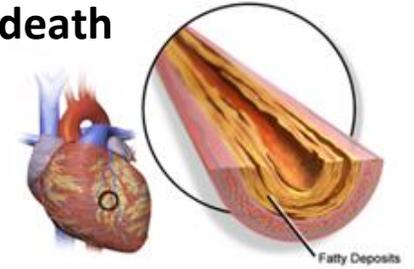


The Cardio Explorer test is clinically tested & approved and already in selective use at University Hospital Basel or Hirslanden Clinic Zurich

Coronary Heart Disease is the leading cause of death



12% of worldwide deaths



Cause
Problem
Solution

Stenosis (narrowing) of heart arteries cause heart attacks

No simple and accurate test available

Cardio Explorer: timely detection avoids heart attacks

The easy-to-use Cardio Explorer test allows

- early detection of a narrowing of the coronary arteries
- higher accuracy than many established standard tests such as stress ECG
- detection of 7 times more potentially life-threatening stenosis compared to primary diagnostics today
- significantly lower costs without any risk exposure for patients

Why Azure Cloud Switzerland?

- Sensitive health data
- Global roll-out plans
- Scalability and agility

Where is the Cloud?





Microsoft