AWS Innovation Hub

Together into the future: Cloud technologies for the Swiss healthcare sector — supported by copebit's AWS Innovation Hub

Overview / Problem definition

In the healthcare sector, there is a growing demand for the integration of innovative technologies to make areas such as patient care, administration, and medical research more efficient and safer. copebit's Innovation Hub acts as a central platform that provides healthcare providers with access to advanced digital solutions for specific areas such as **hospital administration, health insurance, outpatient care, patient management, and telemedicine services**. The **copebit Innovation Hub offers healthcare facilities the opportunity to implement state-of-the-art technologies quickly and in a controlled and secure manner**. A particular advantage is the comprehensive support — from consulting to implementation in areas such as **patient care, health data management, and digital transformation** — always in strict compliance with the highest standards and data protection requirements.
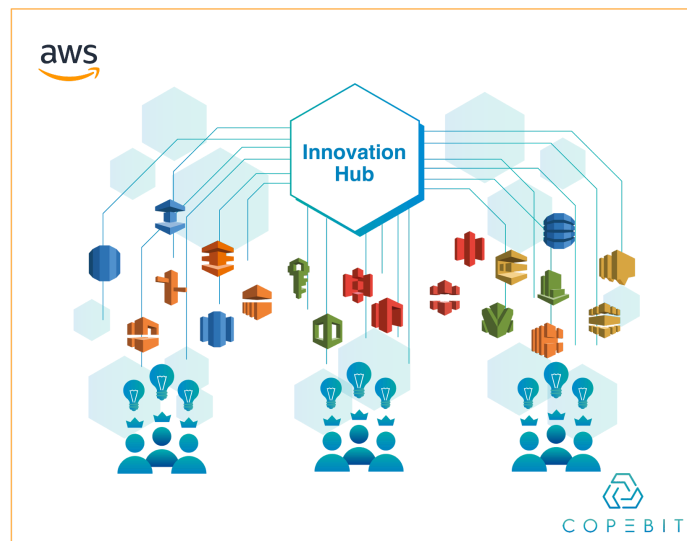
copebit's Innovation Hub is a platform **specially developed for the Swiss healthcare sector** that offers healthcare organizations a ready-to-use digital infrastructure. It enables them to use new **technologies such as patient management, telemedicine, electronic health records, and administration** without having to set them up themselves. T**he hub serves as a practical solution and provides access to state-of-the-art digital services** tailored to the specific requirements of the healthcare sector.

Benefits / Added value

Technology challenges in the healthcare sector	AWS Innovation Hub
Healthcare providers must comply with **strict data protection and security requirements**, especially for sensitive citizen data and critical infrastructure data. These requirements are mandatory under the Swiss Data Protection Act and demand comprehensive security solutions and compliance measures.	Implementation of security solutions to ensure data security and compliance, including identity and access management, threat protection, and key management, with support for AWS services such as IAM, KMS, Shield, CloudHSM, and more

Healthcare facilities increasingly need access to powerful AI and ML technologies, but these are often very resource-intensive. These technologies support the optimization of processes in areas such as **diagnostic support, patient data analysis, and resource planning** and are crucial to increasing efficiency and quality of care.	Implementation of **machine learning tools** to enable research teams to develop and train their own models without having to invest in expensive hardware and use **generative AI services** to quickly and cost-effectively support proof of concepts, MVPs, and development projects, with support for AWS services such as Bedrock, SageMaker, and more
There is a lack of flexible and scalable **high-performance computing capacity** in the healthcare sector, as in-house HPC (High-Performance Computing) solutions are often costly and complex. However, such computing capacities are crucial for processing the large amounts of data required in i**mage processing, research, and analysis of patient data in order to optimize diagnosis and treatment methods**.	Implementation of high-performance computing services to perform complex computations and analytics, including efficient resource utilization, load balancing, and automated task processing, with support for AWS services such as EC2 Spot Instances, Elastic Load Balancing, and AWS Batch
Healthcare organizations face the challenge of efficiently managing, analyzing, and long-term archiving large volumes of patient data and health information while complying with strict legal data protection requirements. This includes data from areas such as **patient records, treatment histories, diagnostic data, and administrative processes that are essential to the quality and efficiency of healthcare**.	Implementation of cloud services for scalable data storage, big data processing, and analysis as well as data protection-compliant and secure solutions, with support for AWS services such as S3, Glue, Redshift, and others

Offer

The copebit Innovation Hub enables users to apply leading cloud technologies immediately and in a controlled and secure manner. The particular advantage lies in the seamless support from consulting to practical implementation — always in compliance with the highest security standards and compliance regulations.

- **AWS Innovation Hub:** This is a managed AWS platform service. Customers and their specialist departments receive their own compartments, which are provided specifically for **testing, proof of concepts (PoCs)**, or **development projects**. This allows customers to generate **added value** immediately and start their **digitalization or innovation projects** without burdening internal IT resources.

	Innovation Hub Basic	Innovation Hub Advanced	Innovation Hub Premium
Access to the platform "Region Switzerland"	X	X	X
Compartments	10	30	50
Configured basic services copebit standard VPC, logging, security, monitoring	X	X	X

AWS services: **"IaaS"** EC2, S3, EBS, RDS (Basic), VPC, Elastic Load Balancing (ELB), CloudWatch, IAM	X	X	X
AWS services: **"CaaS, PaaS, FaaS"** Elastic Beanstalk, RDS (Advanced), DynamoDB, AppRunner, ECS, EKS, ECR, Lambda, API Gateway, Step Functions, CloudFormation	n/a	X	X
AWS services: **"GenAI, Big Data, Advanced Services"** SageMaker, Bedrock, Comprehend, Rekognition, Redshift, EMR, Glue, Kinesis, Athena, IoT Core, Greengrass, AWS Shield Advanced, Macie, Config	n/a	optional	X
Consulting in the areas of MVP, PoCs, use cases, realization, implementation, and infrastructure "AWS Facilitator by copebit"	optional	optional	optional
S2S Internet VPN and / or client VPN connection	X	X	X
Technology training	n/a	2h/month	4h/month
Support compartments	best effort	best effort	5x8 (4h response time)
Platform operation	7x24h	7x24h	7x24h
Platform support	best effort	best effort	5x8 (4h response time)

- **Basic:** Ideal for newcomers to cloud technologies — suitable for initial steps together with an experienced partner, including training and targeted ramp-up of the internal organization
- **Advanced:** Includes all basic services and is suitable for customers who already have their own use cases and are carrying out proof of concepts (PoCs). Includes extended consulting for implementation
- **Premium:** Includes all the services of Basic and Advanced and is aimed at customers with increased requirements in the areas of software development and organization. It is suitable for the development of MVPs and PoCs with integration into existing on-premise infrastructures.

Costs

The standard services are available at a fixed price. Not included are the recurring costs for the AWS services, which are charged separately. However, many functions and products can be tested as part of the AWS Free Tier (i.e. without additional AWS costs). As an AWS Advanced Consulting Partner, copebit offers its customers attractive funding opportunities as part of the AWS Funding Program. Prices for individual services are available on request.

Contact/ copebit AG

At copebit, we have extensive experience and the necessary expertise in all areas to support your business transformation. Our focus is on AWS cloud technologies, which form our core competence as an AWS Advanced Consulting Partner.

copebit AG is a leading Swiss IT company specializing in cloud consulting, development, engineering, and operation. We are experts in the latest cloud technologies and project management, from HERMES 5 to agile frameworks such as SCRUM and SAFe. Our goal is to deliver exceptional results and build successful partnerships with our clients.

Customer references / success stories

- Landing zones: Customer case: Appenzell Ausserrhoden Informatik
- GenAI: Customer case: HGC-Cubotoo
- Data-based services: Customer case: autoSense
- Container EKS: Customer case: Simpego
- EKS / DocDB: Customer case: Sly
- Further references
- Testimonials from customers

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