Service Overview

Migration to cloud is a process of moving your on-premise infrastructure to cloud environment.

The goal of migration to cloud is to move services and applications, from on-premise infrastructure to the most effective environment, based on factors such as performance, security and cost.

The challenge of migration to cloud is to maintain data integrity, security and business continuity. Without planned and systematic approach migration to cloud might have negative effects on business operation. Our goal is to identify does risks and take measures that will help us minimize possible problems.

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Cloud Consulting

The first step is to examine your current IT environment and critical pain points of the existing infrastructure. After that, we recommend possible optimizations and solutions to your problems.

Cloud Migration

Cloud migration is the second step of your migration project. We address your continuity and compliance goals and create a project plan with a clear timeline and a list of deliverables.

Cloud Management

After a successful cloud migration, we take over cloud management tasks, such as monitoring and optimization. The goal of cloud management is to run a stable and efficient cloud environment.

Become more efficient by migrating your apps to the cloud!

Deployment Models & Cloud Providers

It is very important to analyse your current and future IT needs to find the solution that best fits your needs in terms of available services and cost.

Public Cloud

Very flexible in terms of resources, all of the systems are kept in public cloud environment.

Private Cloud

Very capital-intensive, but more efficient for certain situations. Usually good for large enterprises.

Hybrid Cloud

Best for system that need to keep critical data locally while using public resources in times of increased demand.

Amazon AWS

Amazon Web Services (AWS) is a subsidiary of Amazon that provides on-demand cloud computing platforms to individuals, companies and governments, on a metered pay-as-you-go basis.

VMware on AWS

VMware Cloud on AWS makes it seamless for organizations to bring their VMware Software Defined Data Center (SDDC)-based workloads to the AWS Cloud, delivered as an ondemand service.

Hepta Cloud

Enterprise cloud solution developed and managed by our expert team. Hepta cloud is based on VMware virtualization technology, it is a result of more than 20 years of experience in IT service management.

Benefits of Cloud Migration

The primary benefits of cloud migration are the scalability and flexibility of cloud resources provided by the cloud provider.

Simple Scalability

Resources inside the cloud environment are simple to scale up or down; they can be used seasonally, depending on the current requirements.

Cost-effectiveness

Cloud technology is very cost-effective. By some research, 88% of the companies cut their IT infrastructure costs by migrating to the cloud.

Flexibility

Cloud is very flexible in terms of available resources. Cloud providers, such as AWS, offer a large number of tools and services.

Speed and Agility

Simple scalability and flexibility of cloud help your company become faster and more agile when implementing new technologies.

Automation

Automation is an integral part of cloud migration. Tasks such as backups, disaster recovery, infrastructure provisioning are automated.

Security

Cloud providers such as AWS offer superior security controls that help you fine-grain your security mechanisms and permissions.

Human resources

Companies gain instant access to a large number of specialized employees with unique experience across several industry areas.

Availability

Cloud technology enables companies to design highly available services, distributed across multiple availability zones.

Facility Management

The costs and complexities of facility management, such as rental costs, security, maintenance, are eliminated.

Cut the cost of your IT infrastructure by migrating your apps and services to the aws cloud!

Preparing for Cloud Migration

Some services are more critical than others; certain departments are more prepared than others. We need to identify the readiness of the whole organization for cloud migration.

Cloud Migration involves certain risks to your business. It is important to assess key areas of risk so we can create successful plans to address them.

Security & Compliance

In the cloud data is stored on a third-party hardware. Some regulatory compliance may require insights in to where data is stored and who has access to it.

Data and App Integration

Ensuring that all applications, services and data with interdependencies maintain their connections.

Enabling Technology

Your business needs to have the appropriate technology to enable certain services to be retrieved from the cloud.

IT Skills & Roles

Cloud adoption changes the roles and responsibilities inside your IT department. We will help you to identify how will cloud adoption affect your internal IT organization and what skills your employees might need.

Cloud Migration Workflow

Cloud Consulting

DESCRIPTION
Cloud consulting is a technical workshop in which our certified AWS engineers go through customer's infrastructure, pain points, and future expansion plans.

DURATION
2 hours minimum (based on the size of the infrastructure)

OUTCOMES
- Current system architecture analysis document
- New system architecture design document
- TCO analysis document
- Implementation offer
- Cloud migration plan

Cloud Migration

DESCRIPTION
Cloud migration is the actual migration process in which our certified AWS engineers migrate your on-premise infrastructure to the AWS cloud. The migration process is based on a new system architecture design document, implementation offer and migration plan.

DURATION
2 days minimum (based on the size of the infrastructure)

OUTCOMES
- Infrastructure is migrated based on the migration plan
- System arhitecture documentation
- Handover documentation

Cloud Management

DESCRIPTION
Cloud management includes a couple of services with the aim of running an efficient cloud environment.

OS System Management
- Regular OS-level patching
- Immediate reaction to security issues

Access Control
- User and privilege management
- Cloud services access control

Monitoring and Alerting
- Customized monitoring and automated alerting (response time 30 minutes - emergency)

Backup and Recovery
- Backup procedures implementation
- Backup monitoring and testing

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Cloud Migration Questionnaire

Infrastructure

- A scheme containing all infrastructure components.

Server Specification

- Specs per server (vCPU/CPU, memory, disk space, network connection, IOPS requirements, network segment)
- Are virtual servers in high-availability mode (availability zone or multi-region)?
- Server dependencies (if any)
- Storage - tiers of speed and IOPS required per each server included
- Operating systems (Type, Licenses, Authorization/ Authentication details)

Networking

- Segmentation – if exists
- Network Addresses – CIDR/IP addresses/subnets/VLAN s per segment
- Access (access to/from internet and how, proxies, NAT gateways)

- Firewalls (IDS/IPS specifics, NAT if used)
- DDoS protection
- VPN (how is it used – for end users, where are the access details, are there any site-2-site tunnels)
- Estimated bandwidth usage (Internet)
- Estimated bandwidth usage (between servers)

Application

- Schema containing all components and how they interact with each other (data flow)
- HTTPS support - certificates (wildcard, standard, EV), where are they installed
- Load balancing - is it a infrastructure/hardware component or is it done in some other way (varnish, nginx, haproxy etc)
- DNS hosting - domains and subdomains
- 3rd party dependencies (external services such as CDN, payment gateways etc.)

Monitoring and Alerting

- What kind of monitoring systems are available and what is monitored (e.g. what can be used for better AWS sizing)?

Databases

- Which databases are used (relation/nosql)?
- License details per database

Migration

- Uptime requirements
- Possible scheduled downtime window(s) – in minutes/hours
- What is needed for redirection to new infrastructure (DNS entries, endpoints, firewall exceptions on client side etc.)

Post-Migration Access

- Reconfiguration details (IP addresses, DNS, application..)

Backup

- Backup windows, RPO/RTO, on-site/off-site

Why Should You Work With Us?

We are a team of IT experts focused on providing high-end IT services based on cloud technology. With the right amount of knowledge, experience and quality, we continually deliver successful IT projects.

AWS Advanced Consulting Partner

Heptabit is one of the four largest AWS partners in the CEE region. As a client, you receive the service according to rigorous AWS quality standards.
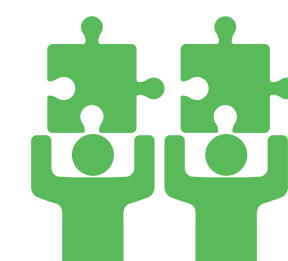
Flexibility

Our infrastructure and operations teams are composed of people with vast experience across many different industries and technologies.

Knowledge and Expertise

Our certified AWS and VMware experts are here to deliver IT solutions based on the industry's best practices.

Technology Partner

We act as your technology partner, helping you solve real business problems and deliver concrete benefits.

High Quality

Our services are compliant with industry-leading IT management and cloud/information security ISO standards.

Implementation

Cloud migration is a unique process that can take from a couple of weeks to a couple of months. This variation is based on company's size, the number of services to be migrated and the level of compliance required by your services.

Our goal is to create a clear project plan based on the previous analysis that will help us meet your company's continuity and compliance goals.

Project plan includes:

- strategy for critical apps and data,
- staff education,
- milestones for migration.

FAQ

The question and answers related to cloud migration procedures.

What is the goal of cloud migration?

The goal of migration to the cloud is to move services and applications, from on-premise infrastructure to the most effective environment, based on factors such as performance, security, and cost.

What is the challenge of cloud migration?

The challenge of migration to the cloud is to maintain data integrity, security, and business continuity. Without a planned and systematic approach, migration to the cloud might have negative effects on business operations. Our goal is to identify does risks and take measures that will help us minimize possible problems.

How much time does cloud migration take?

Migration to cloud is a unique process that can take from a couple of weeks to a couple of months. This variation is based on company's size, the number of services to be migrated and the level of compliance required by your services.

How do we ensure successfull cloud migration?

By creating a clear migration plan based on the previous analysis we ensure we meet your company's continuity and compliance goals.

Contact Us

If you have any questions, do not hesitate to contact us.
We shall be glad to help you!

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