



SAFESPRINGS COURSES:

Take your Cloud Computing knowledge to the next level

From strategic overview to advanced AI



Safespring Course packages

Safespring provides learning experiences for companies that want to leverage the power of the cloud.

We have together with our partner Scaleout Systems believe in building scalable software and infrastructure, and with the help of our courses you can learn what that means for you and your organization and how it can support your operations and further development as a successful company. We're currently offering four courses at different technical levels to give you both an overview of cloud computing and an in-depth dive into advanced cloud computing and AI.

Before course start

To ensure that participants gain maximum benefits from the training, detailed questionnaires will be sent to all course participants to establish exactly where their training needs lie. The completed forms

will be analyzed by the course trainer. We also provide online studies to prepare you for the course. As a result, we ensure deliverance at the appropriate level and issues participants regard as relevant are addressed. The comprehensive course materials will enable them to digest the subject matter in their own time.

After the course

A second Questionnaire will be sent out for a Post Training Effectiveness Assessment. The purpose of this questionnaire would be to measure and assess the learning outcomes with the participants a month after the training to gauge their level of understanding in implementing what they have learnt. Thus, identifying further areas for improvement.

The training program methodology

Our courses are thoroughly researched and structured to provide intense and intimate practical training to your organization. Our format consists in:

- Pre-course questionnaires
- An in-depth tailored program to address market concerns
- Diverse real-life case examples
- Comprehensive course documentation
- Interactive roundtable discussion and breakout sessions
- Hands-on “learning by doing”

Strategic cloud computing and introduction for managers

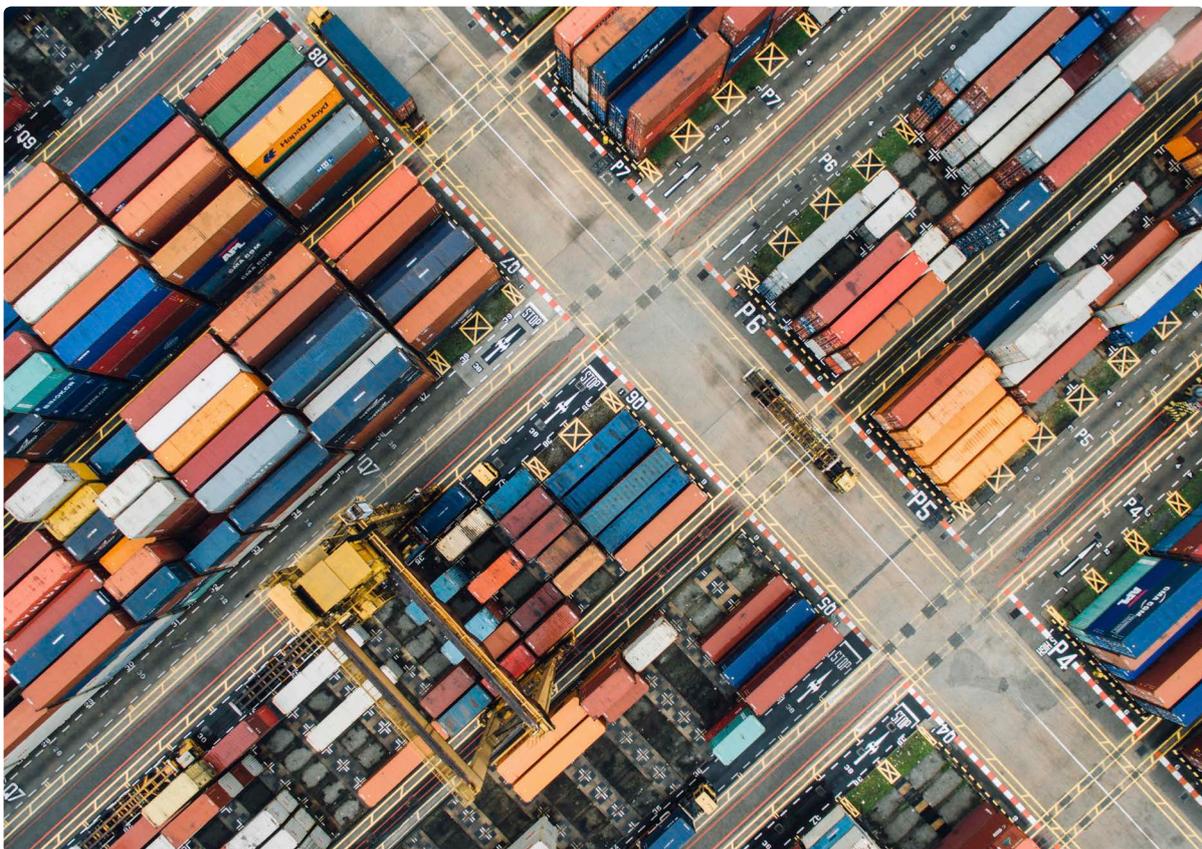
Two of our course packages is aimed for staff with overall technical overview but with no expertise level. The goal of these courses it to strengthen the understanding and knowledge at management

level, both of cloud computing and the benefits a company can gain from adapting to modern cloud computing practices.

Cloud computing, DevOps and microservices

We're currently offering two technical course packages that covers working with the cloud, from different roles. Each of these packages could be divided into two separate courses (3-4 topics per 2-day course), or even shorter and with deeper content for more experienced technical staff (1-2 topics per day).

These two packages are developed to give you an overview and good understanding on a high level, what opportunities and advantages cloud services can offer your operations and businesses in terms of higher security, lower cost production, flexibility, shorter time to market, compliance with local laws and regulations, and more...



Meet the instructors Max & Gabriel

The curriculum is designed by experts and our instructors are all experienced professionals. The courseware is always current and updated with the latest tech advancements.



Max Andersson

TECHNICAL PM & SOFTWARE ENGINEER

AT SCALEOUT SYSTEMS Max has a background in both computer science and business studies. He specializes in distributed application development and business development. Previous work has been related to migrating legacy systems to become cloud native and build cloud infrastructure to handle large scale deployments in hybrid cloud environments.

Gabriel Paues

CLOUD ARCHITECT AT SAFESPRING

Gabriel has a background in networking and cloud services and has several years of experience in professional training.

Gabriel's energetic attitude makes sure you will learn what you need while also having fun.



Course: Introduction to "Infrastructure as a Service" for managers

Aimed for Managers with overall technical understanding but no expertise.

OVERVIEW and understanding from a management point of view enabling management and technical staff to form a common understanding with regards to current situation, path going forward, long- and short-term targets, processes, methodology and strategy.

LEVEL

Beginner (with no or limited technical knowledge)

DURATION 1 day

WHO SHOULD ATTEND? CEO, CTO, IT Managers, Development Managers, Technical Managers, Line managers, top-level managers, etc.

Content

Safespring Cloud Infrastructure with OpenStack. Short introduction to Cloud Infrastructure with OpenStack with Safesprings cloud platform. You will first get a theoretical orientation of cloud infrastructure as a whole and then more specific about OpenStack. The day will end with exercises in Safesprings platform where your will set up some instances and an application in Safesprings platform.

TOPICS COVERED

- What are Cloud Services?
- Essential Cloud Characteristics
- Different models (IaaS, PaaS and SaaS)
- Cloud Deployment models (Public, Private, Community and Hybrid)
- Why Cloud Services now?
- Virtualization
- Storage on Compute nodes or in storage cluster
- Instance and volume snapshots
- Networking
- OpenStack
 - Overview
 - Components (Nova, Cinder, Glance, Neutron and Keystone)
 - Different storage options (Block Storage, Object Storage)
 - Flavors
 - Networking setup in Safesprings platform
 - Security Groups
 - Key-pairs for access
- LAB exercises – get to know the Safesprings Infrastructure services
 - Set up networking
 - Create or upload your keypair
 - Launching your first instance (frontend)
 - Setting up security groups
 - Launching your second instance (backend)
 - Deploying an application (Nextcloud)
 - Set up S3 as backend for Nextcloud
- Q&A and discussions





Course: Cloud strategy for top-level managers

Introduction and preventive study for management with limited technical understanding.

This course aims to enable common ground for internal dialogs and progress in a change of IT-related decisions and way going forward.

LEVEL Beginner / management (No or limited technical background).

DURATION 1 Day.

WHO SHOULD ATTEND? CEO, CTO, IT Managers, Development Managers, Technical Managers, Line managers, top-level managers, etc.

CONTENT One or two lectures.

Topics Covered

- Definition of current state for the company with respect to IT support
- Definition of desired state for the company with respect to IT support
- Possible and suggested paths and directions going forward
- Strategy
- Organization
- Process



Course: Introduction to cloud computing

For management or tech savvy employees that wants to get a hands-on experience of cloud computing and understand the cloud landscape.

We dig into enabling technologies and surrounding strategic concerns when deploying to the cloud. This course can help you get started with public cloud providers and understand the components needed to run your workloads in the cloud.

WHO SHOULD ATTEND? Software Developers, Technical Project Managers, Software Architects, Operations Support professionals, Deployment engineers, IT Managers, Development Managers, Technical Managers, Line managers, QA and Testing professionals, Domain Experts. From all industry sectors.

Topic covered

- Cloud Computing definitions
- Compute models and Load Balancing
- Cloud Virtualization
- Cloud Storage
- Service Oriented Architecture / Microservices
- Software Defined Networks
- Scalability essentials
- Big Data
- Observability

LEVEL Beginner (with some technical knowledge)

DURATION Four days (or two plus two days)

CONTENT Eight or nine lectures plus one Workshop.

Sessions

This course can be divided into different sessions and workshops depending on your need and desired plan.

SESSION 1 (2-3 HOURS)

- Introduction to Cloud Computing
- Compute Models and Load Balancing

SESSION 2 (2-3 HOURS)

- Cloud Virtualization
- Cloud Storage

SESSION 3 (2-3 HOURS)

- Software Defined Networks
- SOA / Microservices

SESSION 4 (2-3 HOURS)

- Big Data
- Observability

Course: Modern DevOps & Microservices

For technical professionals that wants to learn how to build infrastructure for the cloud.

We will cover what it means to build and support cloud environments for your organization microservices need based on Kubernetes. We learn how to build production ready microservice cluster that are secure, observable and supporting Continuous Integration/Deployment and Delivery, accelerating your organization's time to market for your development efforts.

WHO SHOULD ATTEND? Software Developers, Technical Project Managers, Software Architects, Operations Support professionals, Deployment engineers, IT Managers, Development Managers, Technical Managers, Line managers, QA and Testing professionals, Domain Experts. From all industry sectors.

Topics Covered

- Kubernetes Essentials
- Introduction
 - Helm
 - Knative
 - Istio
 - Ansible (Infrastructure as Code)
- DevOps Lifecycles
- Cloud Storage
- Software Defined Networks
- Microservices
- Serverless Architecture/Development

LEVEL Intermediate

DURATION 4 days (or 2 + 2 days)

Sessions

This course can be divided into different sessions depending on your need and desired plan.

SESSION 1 (2-3 HOURS)

- Introduction to DevOps
- Ansible Essentials

SESSION 2 (3-4 HOURS)

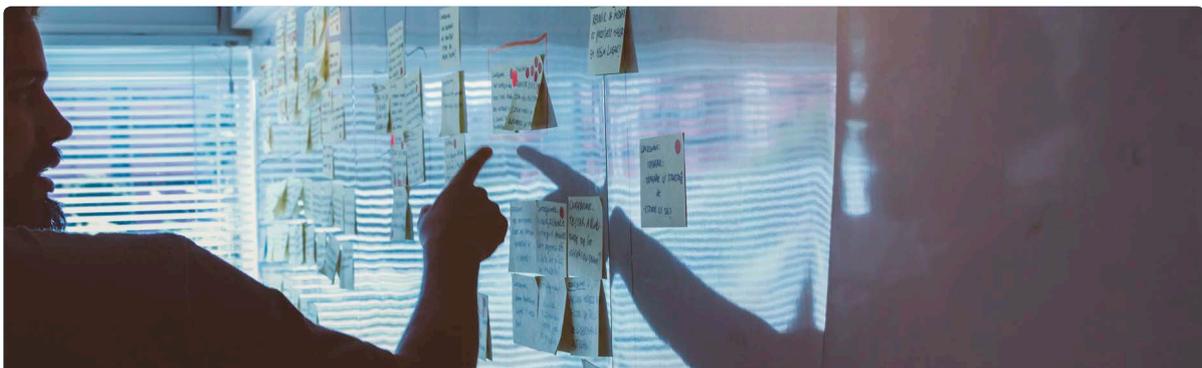
- Kubernetes Essentials (incl. Helm)
- Continuous Integration / Delivery
- Software Defined Networks

SESSION 3 (2-3 HOURS)

- Cloud Storage
- Cloud Virtualization

SESSION 4 (2-3 HOURS)

- SOA / Microservices
- Observability
- Session 5 (2-3 hours)
- Service Mesh / Istio
- Serverless / Knative



Safespring är din säkra källa för infrastrukturtjänster

Besök gärna vår webbplats för att lära dig mer om molntjänster och hur Safespring kan lösa dina behov av Backup, Storage och Compute.

www.safespring.com



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