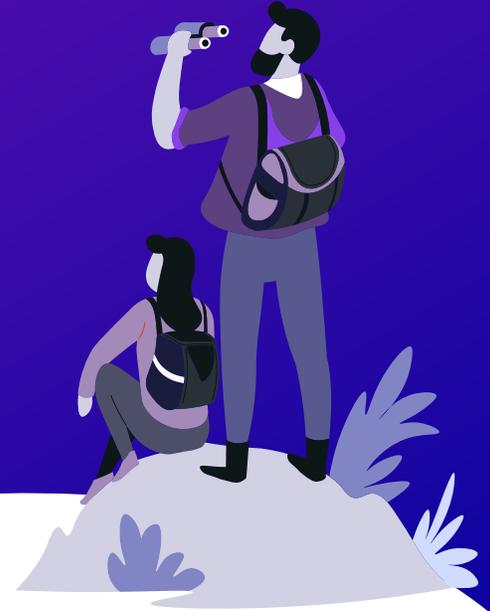


Infrastructure as Code (IaC) & DevOps

With the evolving landscape of human interaction, driven by global digitization, the Infrastructure underpinning social and professional interactions is taking on an entirely new identity. As enterprises continue to adopt automation, tremendous operational inefficiencies in the fundamental systems architecture came to light.

Traditional automation processes involve overly complicated systems that do not address the needs of an increasingly digitizing world. Xentaur has created an operational framework for IT automation processes that streamlines DevOps from the first line of code to its 100th iteration.



Engagement Description

In this interactive engagement, Xentaur will help you identify strategies to automate applications and infrastructure, simplifying overly complicated systems. We will focus on use cases and demonstrations as we explore topics that are most relevant to you and your business goals to help further define and execute on your DevOps or IaC strategies.

Course Details

Delivery Method

- Instructor-Led Training conducted by experienced Digital Transformation Architects

Time Commitment

- 4 hours

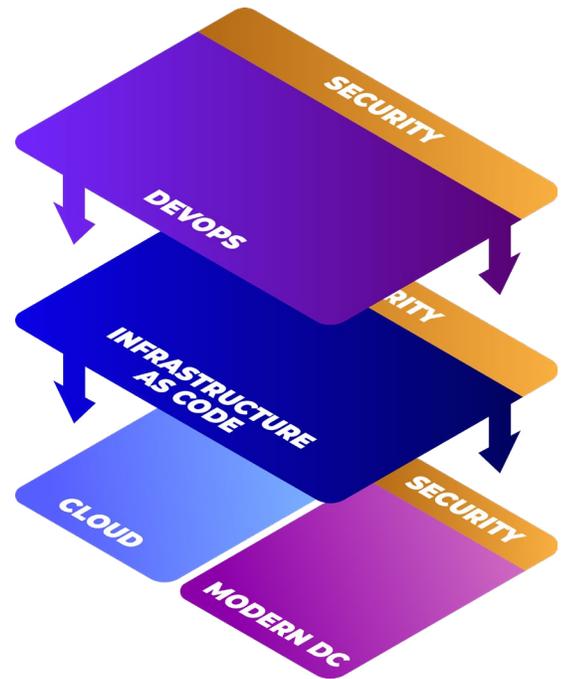
Suggested Audience

- Network Architects/Engineers
- Security Architects
- IT stakeholders on existing or developing Software Defined initiatives. This includes line of business sponsors, enterprise architects, data platform owners, IT leaders, and other decision makers.

Prerequisites

- Understanding of rudimentary concepts of software defined networking and general ecosystem terminology. Understanding of traditional network terminology is ideal, but not required.

A Unified Solution



Deliverables

Customized Course Materials: Xentaur will provide electronic course materials, created specifically for your business, which include items such as: Use Cases, proven methodologies, and technical reference materials.

Findings and Next Steps: A package consisting of a handout and customer findings will be created and delivered via a 1-hour follow-up session.



XENTAURS

Infrastructure as Code (Iac) & DevOps

The following is a list of potential modules presented during the Workshop. The final agenda will be customized based on requirements or per special request. Choose up to 4 modules.



Application Blueprinting

The ability to quickly deploy applications in a repeatable fashion is critical for the business. This module discusses Pipeline Engineering, Software Enablement, and Application Blueprinting.

Planning Your SDx Journey

Understand the characteristics of digital experiences and specifically where architectures are meaningful for your business outcomes. Learn how to make the complex simple.

Cloud Primer

Cloud design patterns cover foundational patterns in initializing, and scaling cloud workloads with consistency and coherence in component design. Develop reusable patterns based on the infrastructure and code deployment needs.

Hybrid-Cloud

Get an overview of both private cloud and public cloud platforms, which can work together on-premises and off-site to provide a flexible mix of cloud computing services.

Microservices

Explore the design pattern for breaking down large architectures into small, independent, services. Improve fault isolation and eliminate vendor or technology lock-in.

Infrastructure as Code

Creating repeatable infrastructure workloads enables consistency and saves time. This module illustrates how code can make workflows easier using modules and templates to fully automate your infrastructure.

Cloud Data and Databases

Provide your team data as-a-service. Learn best practices in scalability and high availability of your cloud data and databases allowing for your underlying software-stack to become transparent to the user.

Agile Methodology

Get your teams aligned. An agile methodology is an imperative for product delivery that builds incrementally from the start of the project, instead of trying to deliver the entire product at once near the end.

CI/CD Pipeline and Engineering

The CI/CD pipeline is one of the best practices for devops teams to implement, for delivering code changes more frequently and reliably. Release changes faster and easier, with less bugs.

Containers Primer

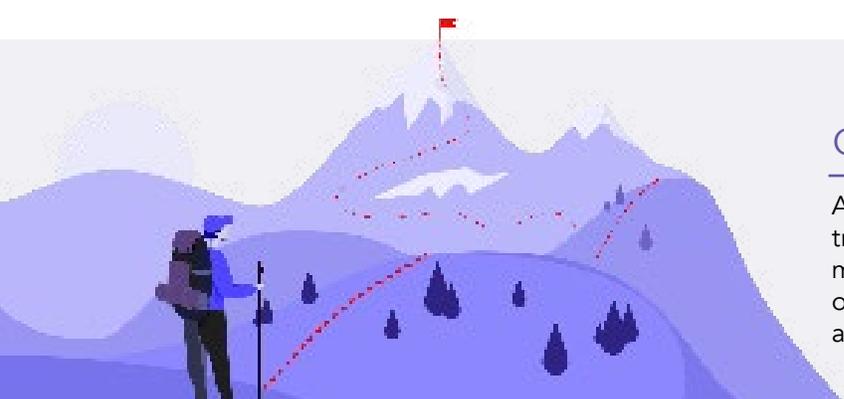
Get an overview of container technology and how it intersects with your cloud and applications. Explore the container landscape and tool sets such as Anthos and get a solid understanding of what is available within the container ecosystem.

Monitoring and Metrics

Learn effective cloud monitoring fundamentals. Many companies have immense tool sprawl and struggle to fit their existing monitoring strategy to newly defined cloud targets. Learn how to monitor in the cloud the right way.

Code Security

Explore the practice of developing computer software in a way that guards against the accidental introduction of security vulnerabilities. Avoid the most common vulnerabilities such as defects, bugs and logic flaws.



Getting Started

As more and more companies realize the power of digital transformation, many do not know where to start. Xentaurus makes digital initiatives actionable and accelerates business outcomes. Our methodology delivers cross-team alignment and collaboration while enabling teams to run on their own.