

SDN-Kontrolle für den Nexus 9000

Design von APIC und ACI

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The Application Centric Infrastructure (ACI) is an SDN concept by Cisco for the Nexus 9000 Platform. As an extension of conventional SDN technologies, internal communication processes between the application servers are also considered in this approach. The Application Policy Infrastructure Controller (APIC) functionally controls the routing and the resource distribution in the network. In this process, the APIC dynamically determines the position of the application processes and implements appropriate policies in the systems. The policies ensure the optimal routing of the data traffic between the server systems. Appropriate QoS reservation measures on the systems additionally provide the required bandwidth contingents according to demand. ACI mandatorily requires a pure spine-leaf architecture (Clos design) for the cabling of the Nexus 9000 Switches. This facilitates the dynamic, topology-based calculations on the APIC. Participants of the seminar get to know the special features of the Nexus 9000 systems and their function in the context of ACI. They are capable of positioning the ACI opposite alternative approaches. Hands-on exercises teach the participants how to configure and monitor an ACI environment. They will acquire a deep understanding of the topology.

Course Contents

- Conventional SDN Concepts
- Architecture of Application Processes
- Network Design for ACI
- Tasks of the APIC
- Application Policies
- Interaction with the Hypervisors
- The Nexus 9000 Platform
- Configuration and Monitoring of ACI
- Alternatives to ACI
- Hands-On Exercises in the Test Network

E-Book Each participant will receive the comprehensive course documentation by ExperTeach in German language. Optionally, we offer you the printed version or an ExperTeach e-book.

Target Group

The training addresses designer and administrators of the data center area who want to become acquainted with the options of Nexus 9000 Switches and of the Cisco Application Centric Infrastructure.

Knowledge Prerequisites

Prerequisite know-how on data centers and Nexus Switches are desirable for a successful participation in the course.

Reservation and Registration

Reserve your course at the required date free of charge and in a non-binding way! We will reserve a place for you for the duration of 7 days. You can directly make this reservation, as well as a binding course booking on our Web site. Alternatively, you can simply call us under: + 49 06074 4868-0.

Guaranteed Course Dates

You can find all current course dates directly under the link: www.experteach-training.com/go/ACI9



Alternatively, you can use the QR code at the left to open this URL. Please check our website for the guaranteed course dates. These are indicated via the symbol

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Course Date/Location	Course language German
11/19-11/23/18 Frankfurt	10/14-10/18/19 Wien
03/25-03/29/19 Frankfurt	12/02-12/06/19 Frankfurt
05/13-05/17/19 Wien	03/23-03/27/20 Frankfurt
08/05-08/09/19 Frankfurt	

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ExperTech GmbH

Waldstraße 94 • D-63128 Dietzenbach • Phone +49 6074 4868-0 • Fax +49 6074 4868-109
info@experotech.de • www.experotech.de

