

# Juniper Cloud Networking with AWS and Azure (JCNAA)

ID JCNAA Preis US \$ 4'000.– (exkl. MwSt.) Dauer 4 Tage

## Zielgruppe

The primary audiences for this course are the following:

- Individuals who want a basic understanding of the cloud operations, terms, and structure needed to work in cloud environments;
- Individuals who want to learn how to securely expand their IT operations into the cloud with the vSRX and understand their design choices.

## Voraussetzungen

The following are the prerequisites for this course:

- Basic TCP/IP skills;
- Basic understanding of the Junos operating system;
- Basic understanding of the SRX Series device and its range of security features.

## Kursziele

After successfully completing this course, you should be able to:

- Describe major cloud concepts.
- Describe how virtualization is used in the cloud.
- Describe various security designs used in the cloud.
- Describe the AWS architecture and explain how each tier will be used.
- Access the AWS management console.
- Create an AWS user account.
- Launch an Amazon service.
- Navigate the AWS Marketplace to find Juniper offerings.
- Describe the operation of the vSRX in AWS.
- Launch a vSRX device in AWS.
- Configure the vSRX to pass traffic.
- Describe CloudFormation features.
- Describe the CloudFormation template format.
- Describe the basics of JSON and YAML.
- Use a CloudFormation template.
- Describe Azure cloud services.
- Describe the Azure cloud architecture.
- Navigate the Azure portal.
- Control access to Azure.

- List the steps to follow to launch an Azure service.
- Navigate the Azure Marketplace to find Juniper products.
- List the vSRX offerings in Azure.
- Describe the pre-launch considerations for the vSRX in Azure.
- List the steps required to launch the "vSRX Next Generation Firewall" in Azure.
- List the steps required to launch the "vSRX A Security Gateway" in Azure.
- Describe the configuration needed for the vSRX to work in Azure.
- Describe the Azure Resource Manager Features.
- Describe the Azure Resource Manager Template Format.
- Deploy an Azure Resource Manager Template.
- List the various ways to connect to and between cloud resources.
- Describe the Transit VPC's purpose and operation.
- Describe various Transit VPC designs.
- Create a Transit VPC in AWS.
- Configure Spoke VPCs to connect to a Transit VPC.
- Describe secure connection operations.
- Describe the configuration requirements to establish an IPsec tunnel between an Enterprise/DC SRX and the AWS cloud.
- Describe the configuration requirements to establish an IPsec tunnel between an Enterprise/DC SRX and a vSRX in the AWS cloud.
- Describe the configuration requirements to establish an IPsec tunnel between cloud networks using the vSRX.
- List the advanced vSRX security features that can be used to protect cloud resources.
- Describe the components needed to implement Juniper Networks Connected Security in the cloud.
- Configure AWS cloud components needed to support Juniper Networks Connected Security in the cloud.
- Configure Space with Security Director and Policy enforcer to implement Juniper Networks Connected Security to protect AWS cloud resources.
- Describe the benefits provided by CEM.
- Describe the use cases of CEM.

## Kursinhalt

- Course Introduction
- Cloud Overview
- Introduction to AWS

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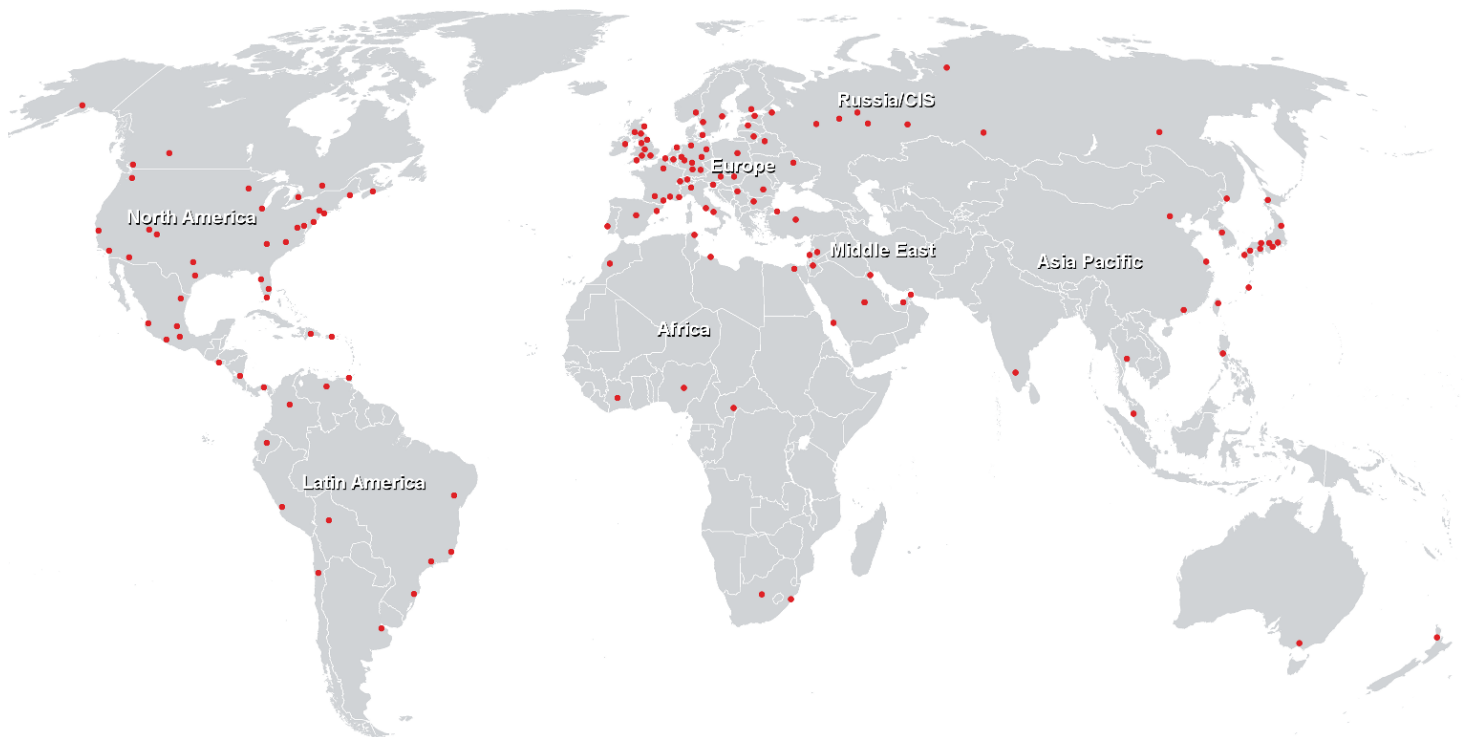
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- Implementing the vSRX in AWS
- Automation in AWS using CloudFormation
- Introduction to Azure
- Implementing the vSRX in Azure
- Automation in Azure using ARM
- Cloud Connectivity
- Advanced Security in the Cloud
- Implementing a Transit VPC
- Automation in Azure using ARM

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## Weltweite Trainingscenter



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