

Workshop: Skills for All

Eine Einführung in die neue Plattform

Stefan Krieger, Instructor Trainer, BBS Rotenburg

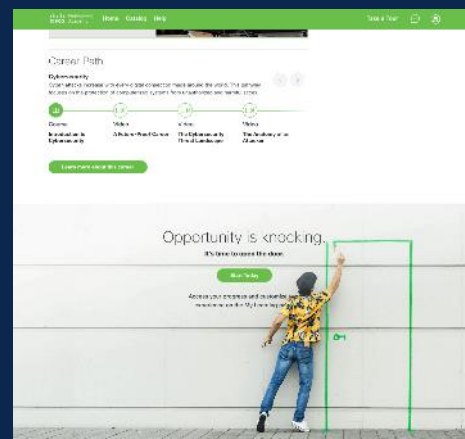
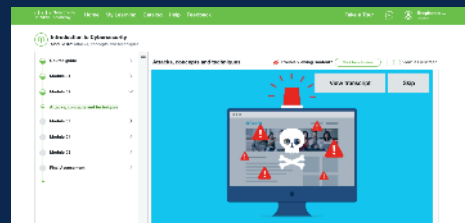
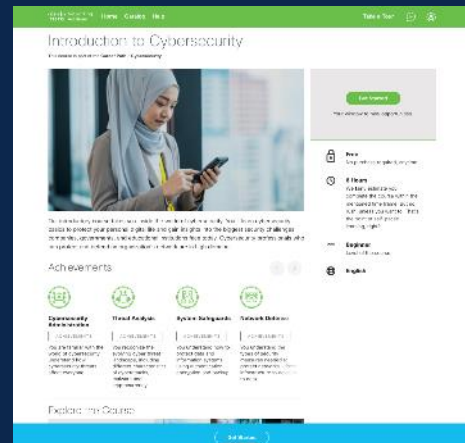
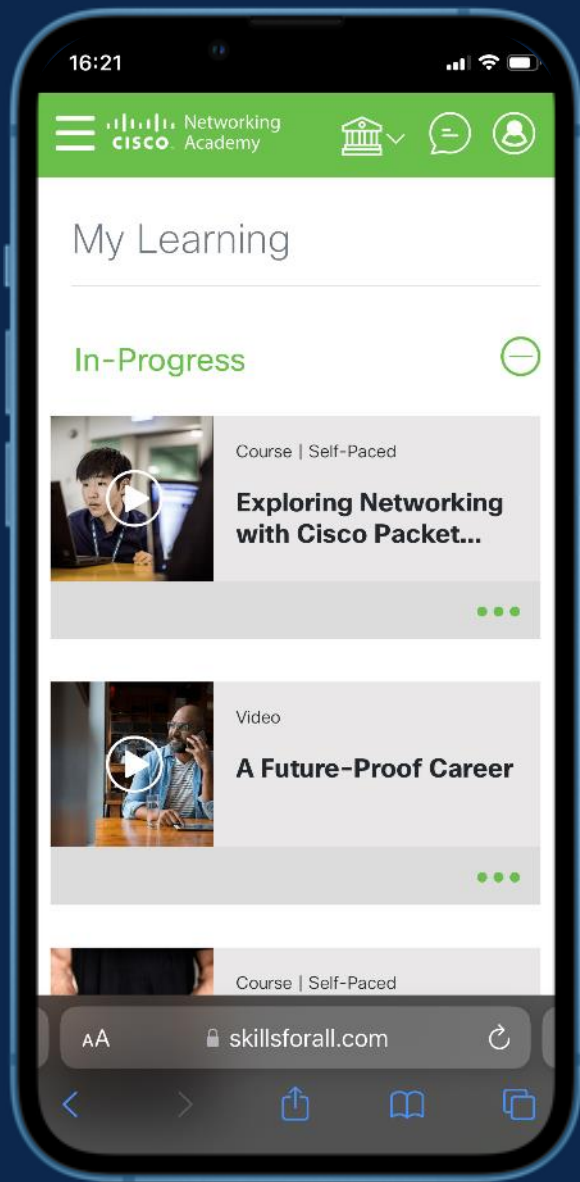
Nationaler Akademietag in Leipzig 2023

Worum geht es?

- Was ist Skills for All?
- Überblick Kurs-Portfolio
- Achievements und Badges als Motivation
- Career Path-Konzept
- Hinweise für Instruktoren
- Vorteile und Highlights der neuen Kurse

Was ist Skills for All?





Cisco Networking Academy Skills for All

Skills for All with Cisco Networking Academy is a reimaged learning experience connecting global learners to free, self-paced, mobile-friendly courses and learning pathways leading to entry-level technology certifications and jobs.

Creating a Hybrid Learning Environment

Expanding Cisco Networking Academy with Skills for All

Free, flexible,
mobile-friendly,
self-paced learning
experiences

For All



SkillsForAll.com



NetAcad.com

Instructor-Led experiences
for
in-class, blended or 100%
distance learning

For Academies

More course delivery options for instructors to meet students where they are in their learning journeys.

Building towards a converged experience

We are working to bring our two spaces into one seamless experience, combining the innovations developed on Skills for All with our rich partner and academy ecosystem.



Existing experience
on NetAcad.com



Skills for All:
Greenfield innovation space to build out
new teaching & learning experience

Converged experience

new NetAcad.com

- Full course portfolio available within new teaching & learning experience
- Integrated educator experience, including class management features and resource center
- Foundation for future enhancements like adaptive learning and intrinsically-motivated learning
- Entry-level, stackable offerings – more flexible options to fit into your own curriculum program

Derzeitiger Stand zu Skills for All

- Skills for All ist grundsätzlich frei verfügbar für alle – man muss keiner Akademie angehören
- Aber nicht alle Kurse auf Skills for All sind frei verfügbar – das gilt nur für Self-Paced Angebote

Instructor-Led Kurse erfordern einen Instruktor!



Cybersecurity Essentials + Networking Essentials nur Instructor-Led

Kurs-Portfolio



Skills for All Portfolio

[Link zur Skills for All Seite](#)

Learning Catalog

Category

- Course
- Video
- Resources
- Career Path
- Topics

Level

- Beginner
- Intermediate

Language

- English
- Español
- Français
- Português
- українська



Career Path

Cybersecurity

Languages: English, Español ⁺¹

Cyber attacks increase with every digital connection made around the world. Learn how to protect and defend an organization and gain employable skills to start your cyber career.

🕒 160 Hours

🔒 Free

👤 Beginner



Course

Introduction to Cybersecurity

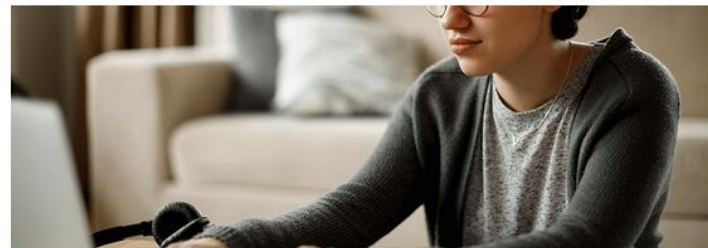
Languages: English, Español ⁺³

Explore the exciting field of cybersecurity and why cybersecurity is a future-proof career.

🕒 6 Hours

🔒 Free

👤 Beginner



Course

Getting Started with Cisco Packet Tracer



Course

Networking Basics

Aktuelle Übersicht der Kurse

- Auf netacad.com unter „Ressourcen“ → „Kursmaterial“ → „[Courses, Languages, Platform Translation Matrix](#)“ gibt es eine aktuelle Übersicht, welche Kurse in welcher Variante und in welcher Sprache verfügbar oder geplant sind

Jun 1

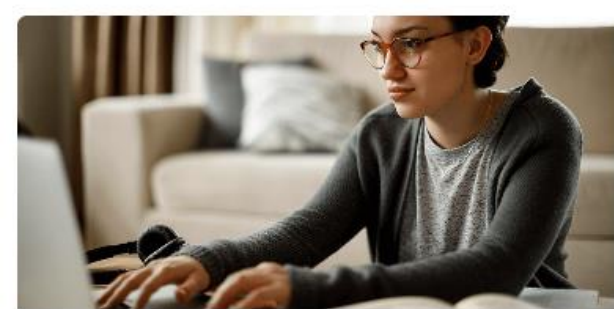
Skills for All with Instructor-led Functionality Course Name	English	Español	Português	Français	العربية	Український	Deutsch	Nederlands
Cybersecurity								
Cybersecurity Essentials 3.0 (Note 1)	✓	C	C	C				
Introduction to Cybersecurity	✓	C	C	C				
Endpoint Security	✓	C	C	C				
Network Defense	✓	C	C	C				
Cyber Threat Management	✓	C	C	C				
Junior Cybersecurity Analyst Career Path Exam	✓	C	C	C				
Networking								
Networking Essentials 3.0 (Note 1)	✓	C	C	C				
Networking Basics	✓	C	C	C		C		
Networking Devices and Initial Configuration	✓	C	C	C		C		

Jun 1

Skills for All with Self-paced Functionality Course Name	English	Español	Português	Français	العربية	Український	Deutsch	Nederlands	Polski
Cybersecurity									
Introduction to Cybersecurity	✓	✓	✓	✓	C	✓	✓	✓	C
Endpoint Security	✓	✓	✓	✓	C	✓			
Network Defense	✓	✓	✓	✓	C	✓			
Cyber Threat Management	✓	✓	✓	✓	C	✓			
Cybersecurity Videos (Note 1)	✓	✓	✓	✓	C	C			
Junior Cybersecurity Analyst Career Path Exam	✓	✓	✓	✓	C	C			
Networking									
Networking Basics	✓	✓	✓	✓	C	C	✓		
Networking Devices and Initial Configuration	✓	✓	✓	✓	C	C			
Network Addressing and Basic Troubleshooting	✓	✓	✓	C					

Auszug Kurs-Portfolio auf Skills for All

- Learning Collection “Cisco Packet Tracer”, 3 kurze knackige Kurse, insgesamt 8 h Umfang, Badge bei Abschluss des exams



📖 Course | Self-Paced

Getting Started with Cisco Packet Tracer

Your on-ramp to Cisco Packet Tracer. Get familiar with the simulation environment and download the latest...

🕒 2 Hours 🔒 Free



📖 Course | Self-Paced

Exploring Networking with Cisco Packet Tracer

Practice using Cisco Packet Tracer to set up, manage, and monitor a branch office network.

🕒 3 Hours 🔒 Free



📖 Course | Self-Paced

Exploring Internet of Things with Cisco Packet Tracer

Learn to add and configure IoT devices in Cisco Packet Tracer to set up a smart home network.

🕒 3 Hours 🔒 Free



📖 Exam

Introduction to Packet Tracer Exam

Test your knowledge on all three introductory courses and earn a digital badge.

❓ 15 Questions

Skills For All Getting Started with Cisco Packet Tracer 1.0

Jan 2022

Course Overview

This short on-ramp course introduces Cisco Packet Tracer, an innovative network simulation and visualization tool. Learn how to download Cisco Packet Tracer, navigate the simulation environment, and practice building a network using everyday examples.

Benefits

Get valuable tips, best practices, and build confidence using this powerful tool offered in many courses.

Explore Opportunities in Technology

- ✓ Install the powerful simulation and visualization tool.
- ✓ Get familiar with Cisco Packet Tracer by practicing networking, cybersecurity, and IoT skills.

[View Course](#)

Course Details

Target Audience: General audience

Estimated Time to Completion: 2 hours

Prerequisites: None

Course Delivery: Instructor-guided or Self-paced

Learning Component Highlights:

- ✓ 2 modules
- ✓ 1 Cisco Packet Tracer Tutored Activity (PTTA)
- ✓ 1 Cisco Packet Tracer Activity
- ✓ 1 assessment

Course Recognitions: SFA Achievement

Recommended Next Courses:

- ✓ Exploring Networking with Cisco Packet Tracer
- ✓ Exploring IoT with Cisco Packet Tracer



Requirements & Resources

- ASC Alignment Required: No
- Instructor Training Required: No
- Physical Equipment Required: No



Instructions

Packet Tracer - Logical and Physical Mode Exploration

Objectives

- Investigate Devices in a Wiring Closet
- Connect End Devices to Networking Devices
- Install a Backup Router
- Configure a Hostname

Background / Scenario

The network model in this Packet Tracer Tutored Activity (PTTA) incorporates many of the technologies that you can master in Cisco Networking Academy courses. It represents a simplified version of how a small to medium-sized business network might look.

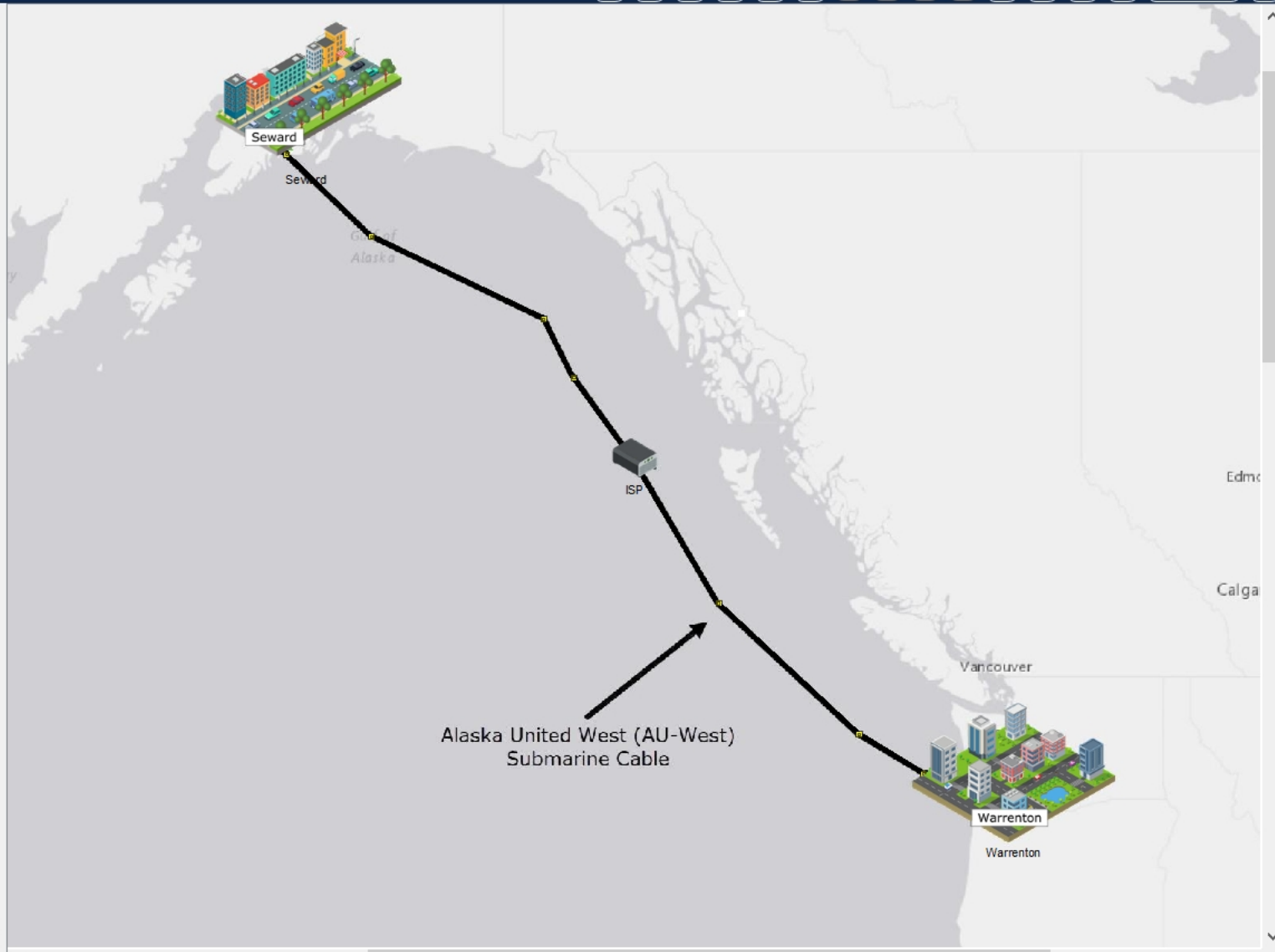
Most of the devices in the Seward Branch Office (top left) and Warrenton (bottom right) data center are already deployed and configured. You have just started this activity. You will be responsible for connecting the devices in the Seward Branch Office to the devices in the Warrenton data center. You will also be responsible for configuring the devices in the Seward Branch Office to connect to the Internet. Hints will also appear on your own. Hints will also appear on the bottom left hand corner.

Note: There are two ways to look at the network. **Physical** mode shows the physical layout of the network. **Physical** mode. Many of the Packet Tracer activities will use **Logical** mode. You can switch between **Logical** (Shift-L) and **Physical** (Shift-P) buttons. However, in other activities in this course you may be locked out of one mode or the other.

When you're ready, click **Next** to get started.

Welcome to Cisco Packet Tracer!

During the early portion of this activity, we'll give you tips on some important aspects of an activity and the interface. Let's go!





Logical Physical x: 5399m, y: 1982m

Branch Office Wiring Closet



Instructions

Packet Tracer - Logical and Physical Mode Exploration

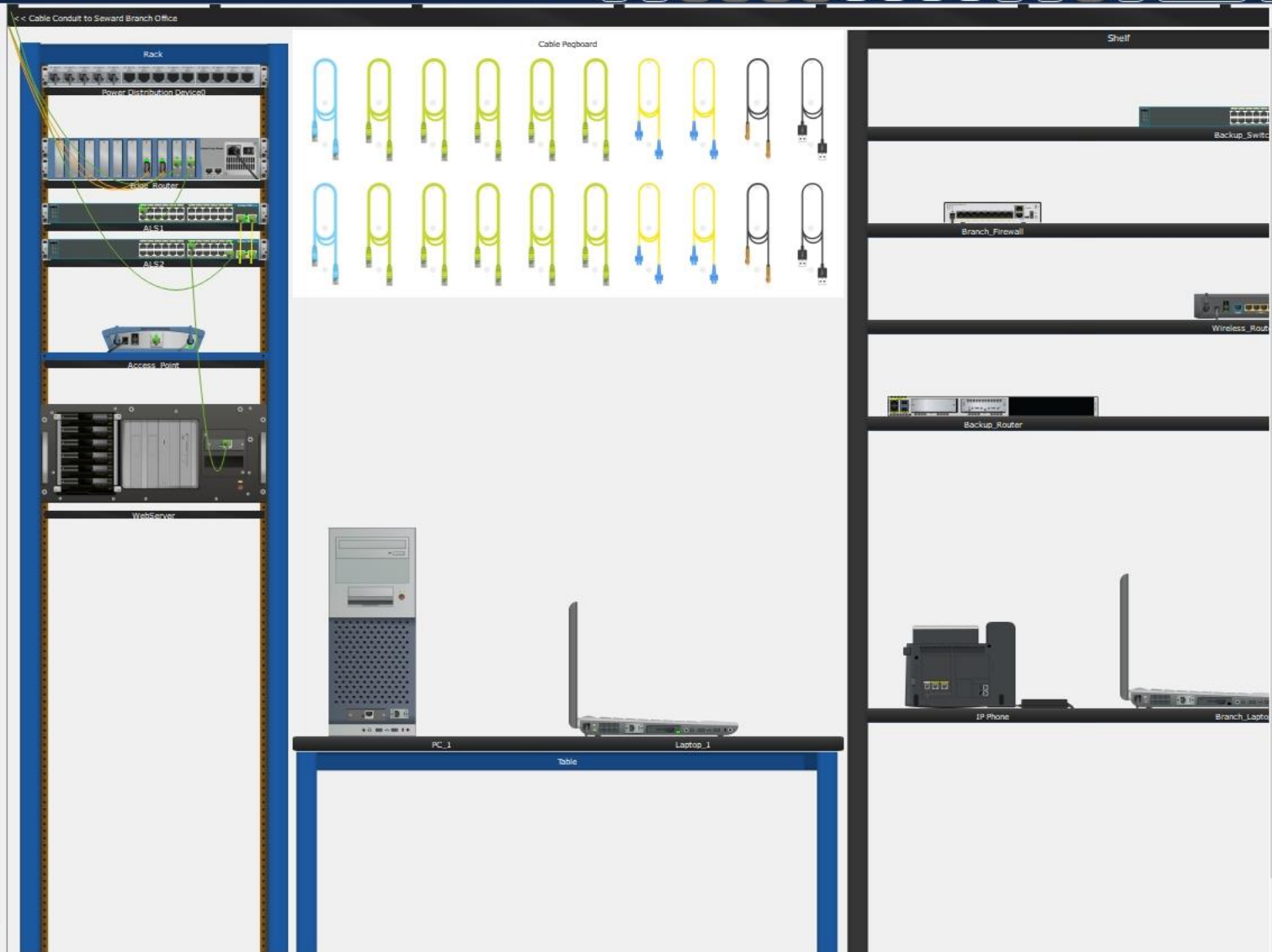
In this step, you will navigate to the **Branch Office** wiring closet in **Seward**. You will also connect a PC to a switch using an Ethernet cable.

In the **Intercity**, click **Seward**. While in **Seward**, click the **Branch Office** and then click the **Branch Office Wiring Closet**.

Connect **PC_1 FastEthernet0** to an empty **FastEthernet** port on **ALS2**.



You are now at the **Branch Office Wiring Closet**.



Auszug Kurs-Portfolio auf Skills for All

Folgende Kurse sind derzeit auf Deutsch verfügbar (nur self-paced)


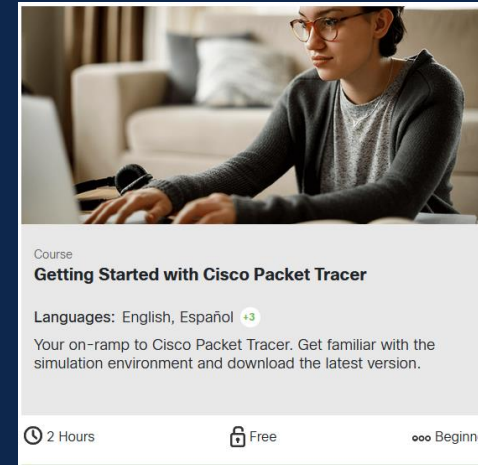
- Introduction to Cybersecurity, 6 h
- Introduction to IoT and Digital Transformation, 6 h
- Networking Basics, 22 h

Achievements und Badges




Achievements

- Bei kleinen Kursen wird ein Achievement für den erfolgreichen Abschluss vergeben.
- Bei anderen Kursen wie bspw. Introduction to Cybersecurity gibt es Achievements für Teilabschnitte



Getting Started with Cisco Packet Tracer

ACHIEVEMENTS



Getting Started with Cisco Packet Tracer

You are familiar with the Cisco Packet Tracer simulation environment.



Cybersecurity Administration

Achievements

You are familiar with the world of cybersecurity understand how cybersecurity threats affect everyone.



Threat Analysis

Achievements

You recognize the evolving cyber threat landscape, including different characteristics of cyberattacks, malware and cryptocurrency.



System Safeguards

Achievements

You understand how to protect data and information systems using authentication, encryption and backup.



Network Defense

Achievements

You understand the types of security measures needed to protect networks - from infrastructure to devices to data.



Resource Specialist

Achievements

You are familiar with legal and ethical issues in cybersecurity and recognize opportunities in the career pathways, credentials and work roles.

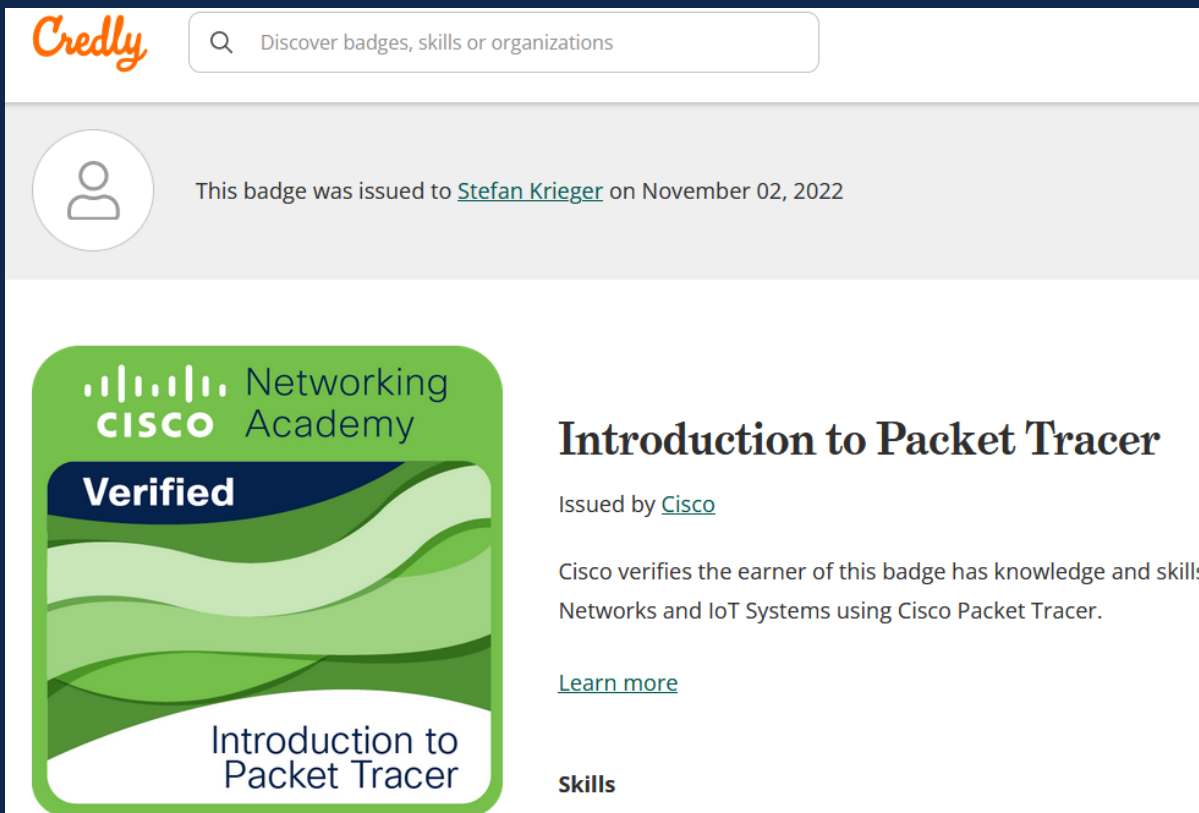
Badges

- Für den erfolgreichen Abschluss eines Kurses gibt es in der Regel ein Course Badge

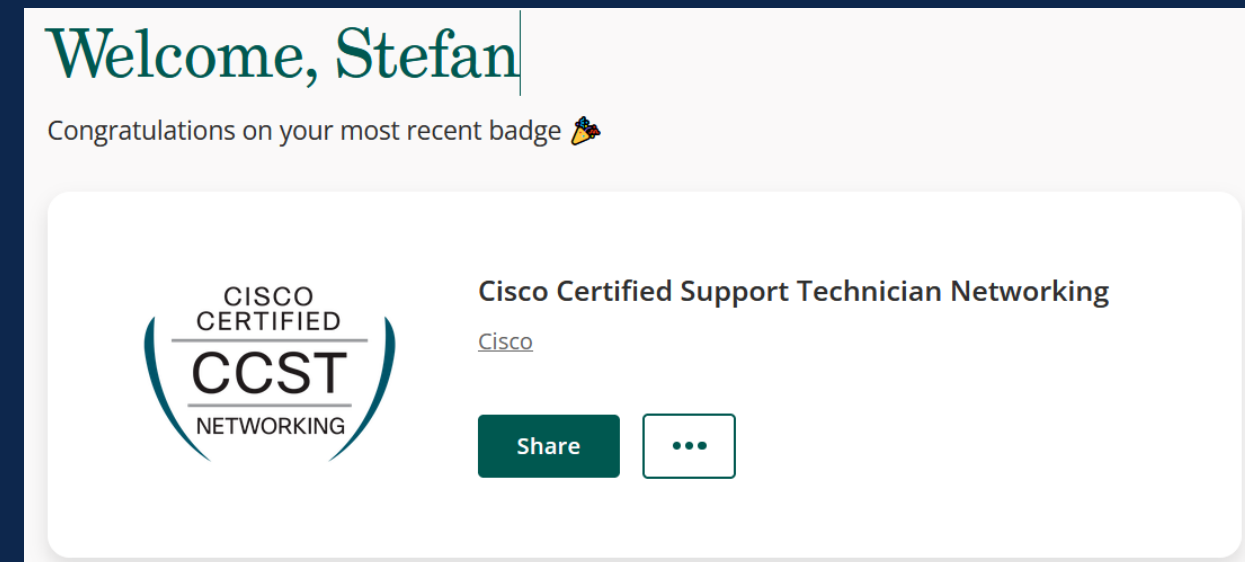


Badges

Badges sind bei Credly registriert, analog zu den klassischen Badges wie CCNA



The screenshot shows the Credly interface. At the top left is the Credly logo. A search bar contains the text 'Discover badges, skills or organizations'. Below this, a notification states: 'This badge was issued to [Stefan Krieger](#) on November 02, 2022'. The main content features a green badge with the Cisco Academy logo and the text 'Verified Introduction to Packet Tracer'. To the right of the badge, the title 'Introduction to Packet Tracer' is displayed, followed by 'Issued by [Cisco](#)'. A description reads: 'Cisco verifies the earner of this badge has knowledge and skills Networks and IoT Systems using Cisco Packet Tracer.' Below the description is a 'Learn more' link and a 'skills' section.

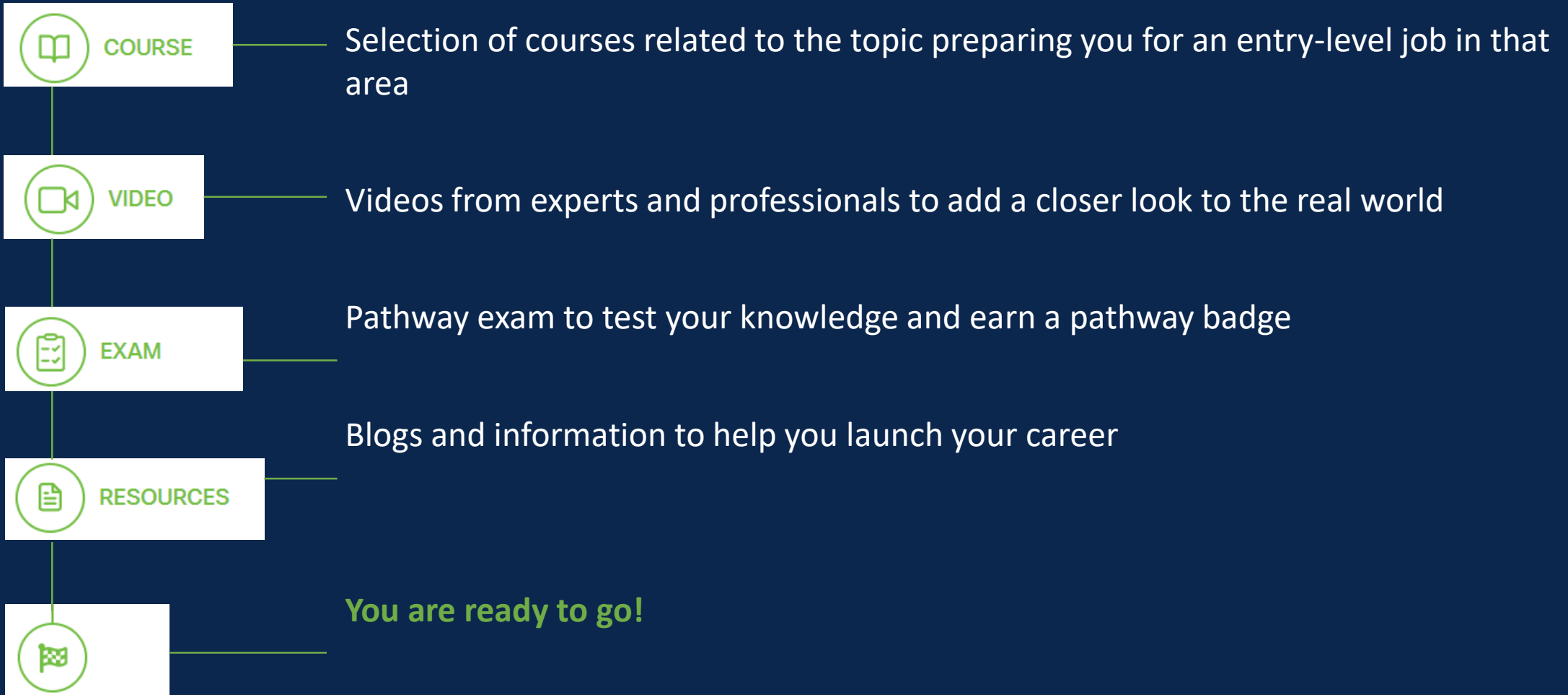


The screenshot shows a 'Welcome, Stefan' notification. It says 'Congratulations on your most recent badge 🎉'. Below this is a card for the 'Cisco Certified Support Technician Networking' badge. The card features the CCST logo (CISCO CERTIFIED CCST NETWORKING) and the text 'Cisco Certified Support Technician Networking' with a 'Cisco' link. There are 'Share' and 'More options' (three dots) buttons.

Career Path



Introducing Pathways - What is a Pathway?



Cybersecurity Pathway

Overview

Cyber attacks increase with every digital connection made around the world. Learn how to protect an organization and gain employable skills to start your cyber career.

Benefits

This learning pathway prepares you for an entry-level cybersecurity position, such as a Cybersecurity Technician, Junior Cybersecurity Analyst, or Tier 1 Help Desk Support role. It's online and free!

Prepare for Careers

- ✓ Learn vital skills like threat intelligence, network security, and risk management to protect yourself and organizations from cyber attacks.
- ✓ Prepare for an entry level cybersecurity certification: IT Specialist - Cybersecurity.
- ✓ Gain access to career resources and our free job matching engine.

Pathway Details

Target Audience:

- Secondary and 2-year college vocational students
- Workers interested in reskilling to find a job in cybersecurity

Estimated Time to Completion: 160 hours

Key Skills: Threat Hunting, Risk Management, Network Firewall

Course Delivery: Self-paced

Learning Highlights:

- ✓ 6 courses
- ✓ Highly interactive learning design
- ✓ Labs and Cisco Packet Tracer activities
- ✓ Built-in knowledge checks, gamification
- ✓ Additional career resources

Achievements: Pathway digital badge from Cisco

Certification Aligned: IT Specialist Cybersecurity from Certiport



Courses

- Introduction to Cybersecurity
- Networking Basics
- Networking Devices and Initial Configuration
- Endpoint Security
- Network Defense
- Cyber Threat Management

Career Path für Cybersecurity



Course Badges



Pathway Badge



Certification

Career Path für Networking



Course Badges



Pathway Badge



Certification

Current Instructor-led offerings on Skills for All

Cybersecurity Essentials 3.0

Version 3.0, Instructor-Led only (70 hours)

or

Endpoint Security

Instructor-led or Self-paced (27 hours)

Network Defense

Instructor-led or Self-paced (27 hours)

Cyber Threat Management

Instructor-led or Self-paced (16 hours)



Networking Essentials 3.0

Version 3.0, Instructor-Led only (65 hours)

or

Networking Basics

Instructor-led or Self-paced (22 hours)

Network Devices and Initial Configuration

Instructor-led or Self-paced (22 hours)

Network Addressing and Basic Troubleshooting

Instructor-led or Self-paced (14 hours)

Network Support and Security

Instructor-led or Self-paced (12 hours)



Ausblick Career Path Data Analyst

- Introduction to Data Science, 6h, verfügbar
- Data Analytics Essentials, 30h, verfügbar
- Data Science Essentials, geplant
- Data Engineering Essentials, geplant

Hinweise für Instruktoren



Instructor guided experience – role change

My Classes Catalog Help Feedback Take a Tour GNITestCA... GNITestInst Instructor

Switch your role / academy

Search Academy

Skills For All LEARNER

GNITestCAHGaJQu INSTRUCTOR

Switch Role



Class Management on Skills for All

Alpha Evaluation Phase May – July 2023

Features & Functionality

- Instructor choice in offering Instructor-led or self-paced for Cybersecurity and Networking course offerings
- Customizable assignments
- Class announcements
- Non-customizable gradebook
- Export gradebook as CSV
- Manage student enrollments
- Reuse class customizations
- Resource library

Beta Evaluation Phase August – December 2023

Features & Functionality*

- Instructor – Student communication
- Customizable gradebook
- Additional assignment customization and control

More specific details around the features and functionality will be provided closer to launch.

Continuous Evolution 2024 and beyond

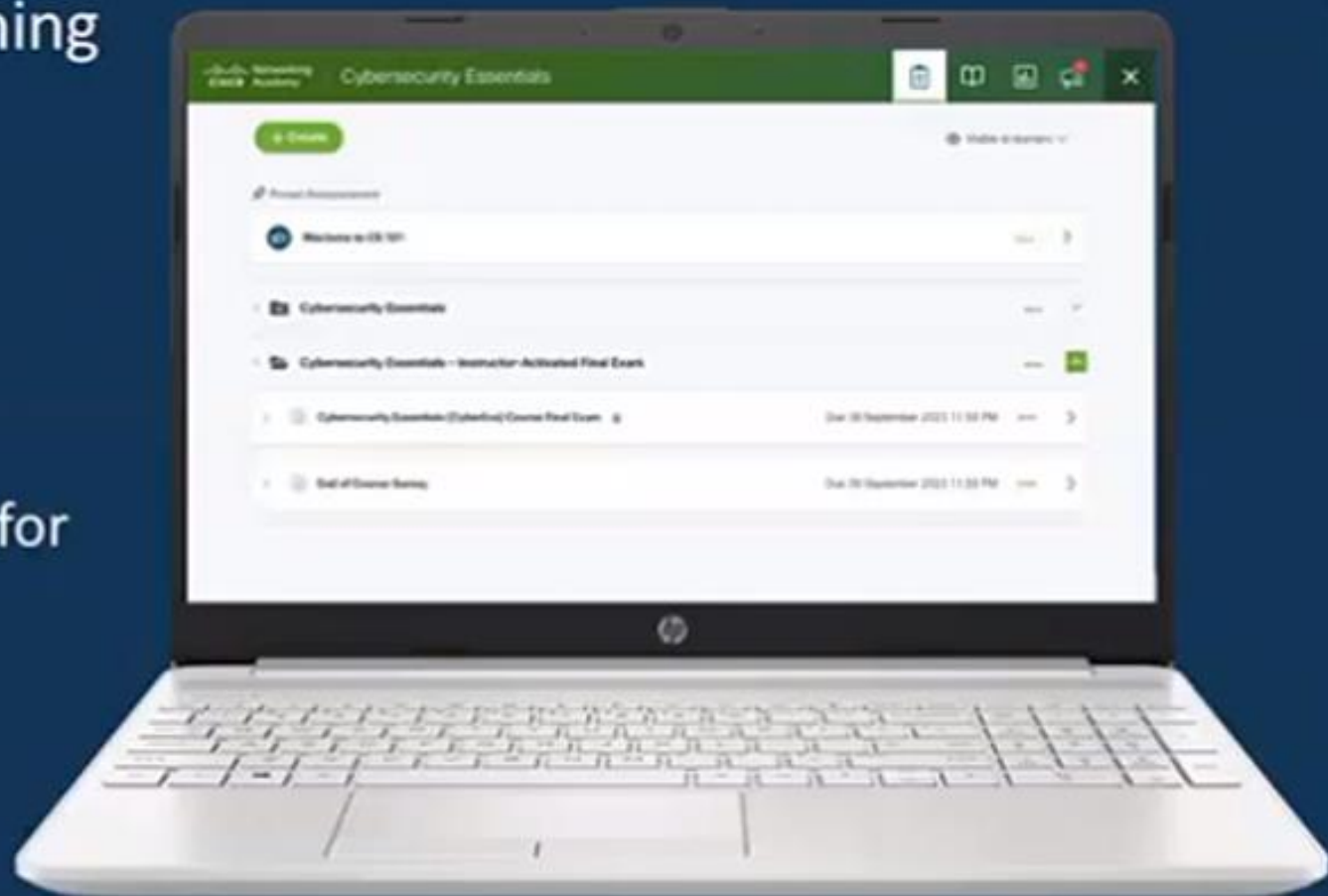
New features and functionality will be added based on feedback gathered from the Alpha and Beta evaluations

*Features and functionality are subject to change

Class Management on Skills for All

Evolving the new teaching and learning experiences

- Input from our instructors is critical
- Teach on SkillsForAll.com and provide feedback
- Understand this will be the foundation for the new educator experience at convergence



Vorteile und Highlights



Vorteile und Highlights

- Skills for All bietet vor allem kleine modular aufgebaute Kurse → lassen sich gut in Unterrichtsalltag einbinden
- Ansprechende Kurse, sehr schülernah
- Gamification
- „Belohnung“ durch die Badges – als Motivationsfaktor für Schüler
- Das Scrollen durch die Inhalte ist gewöhnungsbedürftig...
- Lässt sich auch per Smartphone nutzen

Noch Fragen? :-)

- www.skillsforall.com
- Einen Leitfaden zum Einstieg sowie überhaupt alle Materialien für Kursleiter gibt es [HIER](#) (Achtung: nach unten scrollen...)
[Auf netacad.com unter „Ressourcen“ → „Kursmaterial“ → „Skills for All – Communications Updates“]
- Auch in der IPD Week spielt Skills for All eine sehr große Rolle:
<https://lms.netacad.com/course/view.php?id=1314227>