

ICT REGIONAL COMPETITIONS

IT Network Systems Administration

PREPARATION

Introduction

This sheet informs you about the used software and possible technologies at the ICT regional competitions 2020.

A good score will give you the chance to participate at the national ICT Competitions, a great chance to build contacts with many people from the ICT industry. You might even prove yourself to represent Switzerland at the WorldSkills Competitions 2021 in Shanghai.

Possible technologies

Cisco Packet Tracer 7.2

- Configuration of computer, switch and router
- Static and dynamic routing (RIP, OSPF, EIGRP)
- VLAN (Untagged and tagged ports)
- Link Aggregation (LACP)
- IPv6
- ACL
- Wireless Setup
- NAT

Windows Server 2019

- Active Directory Domain Services
- DNS
- File Server
- Web Server
- Simple GPO

Debian 10 (Buster) – no GUI

- Web Server (Apache)
- DNS (bind)
- FTP (proftpd)
- File Server (Samba)
- SSH

Demo exam

URL: <https://drive.switch.ch/index.php/s/pJGLy7sR1eQ09BZ>

Password for ZIP-file: qLhOzG43BERD