

Windows System Administration

Scope, Objective, Target Audience, Schedule



Windows Server

SoftUni Team
Technical Trainers



SoftUni



Software University

<https://softuni.bg>

Have a Question?

sli.do

#WSA

facebook.com/groups/

WindowsSystemAdministrationMarch2023/

SoftUni Diamond Partners

SCHWARZ



Coca-Cola HBC
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Решения за твоето утре



POKERSTARS



CAREERS



AMBITIONED

DXC
TECHNOLOGY



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GROUP**

Bosch.IO

INDEAVR
Serving the high achievers

 **DRAFT
KINGS**



SmartIT

createX

**SUPER
HOSTING
.BG**

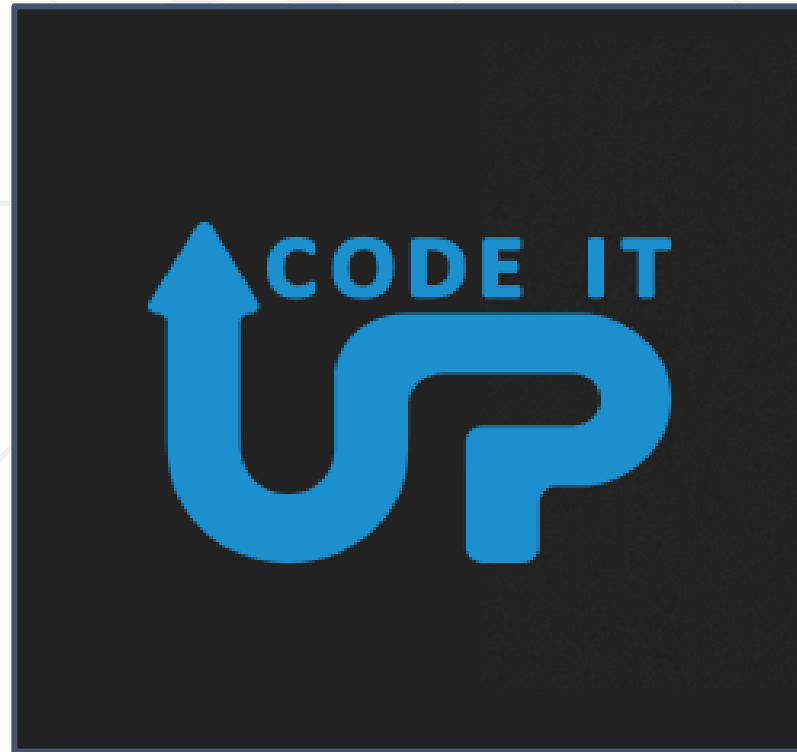


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1. Course objectives, scope, and schedule
2. Infrastructure
3. Exercises and labs
4. Examination





Course Scope and Objectives

Course Objectives

- Installation and Configuration of Windows Server
- Active Directory Installation and Management
- Installation and Management of Software and Services
- Basic Scripts Creation
- Monitoring and Troubleshooting
- Backup and Restore



Course Scope and Schedule (1)

■ Week #1

- History and Architecture
- Editions and Features
- Installation and Upgrade Options

■ Week #2

- Software and Services Management
- Disk Management
- Networking



Course Scope and Schedule (2)

■ Week #3

- Active Directory Architecture and Components
- Group and Account Types
- AD Objects Management

■ Week #4

- Additional Services
- File Sharing Services
- Print and Document Services



Course Scope and Schedule (3)

■ Week #5

- Domain Forests and Sites
- Additional AD Services
- Group Policies

■ Week #6

- Monitoring and Troubleshooting
- Backup and Restore
- Tasks Automation



Course Scope and Schedule (4)

■ Week #7

- Additional Command-line Tools
- Scripting Options
- PowerShell

■ Week #8

- Overview
- Exam Preparation





Infrastructure Requirements and Landscape

Required Resources

- 64-bit CPU with VT-x/AMD-V
- Free memory between 4 and **8 GB**
- Free disk space between 80 and **120 GB***
- Virtualization Software (**Hyper-V**, VirtualBox, VMware Workstation, ...)
- You may use any cloud platform (Azure, AWS, GCP, ...)
- ISO files for **Windows Server 2016/2019/2022** and Windows 10

- * **Install Media** ~ 4GB/ISO
- * **Virtual Machines** ~ 15GB+/VM
- * **Templates** ~ 10GB+/VM
- * **VM Snapshots**



Windows System Administration: Details

Languages and Duration

- Lectures: ~ **12 hours** (online videos)
- Practical exercises (online demos): ~ **12 hours**
- Homework: **yes**
- Schedule: **March 2023 – May 2023**
 - Every **Friday** between **18:30** and **21:30**
- Exam: **27 May 2023**
- Exam retake: **3 June 2023**

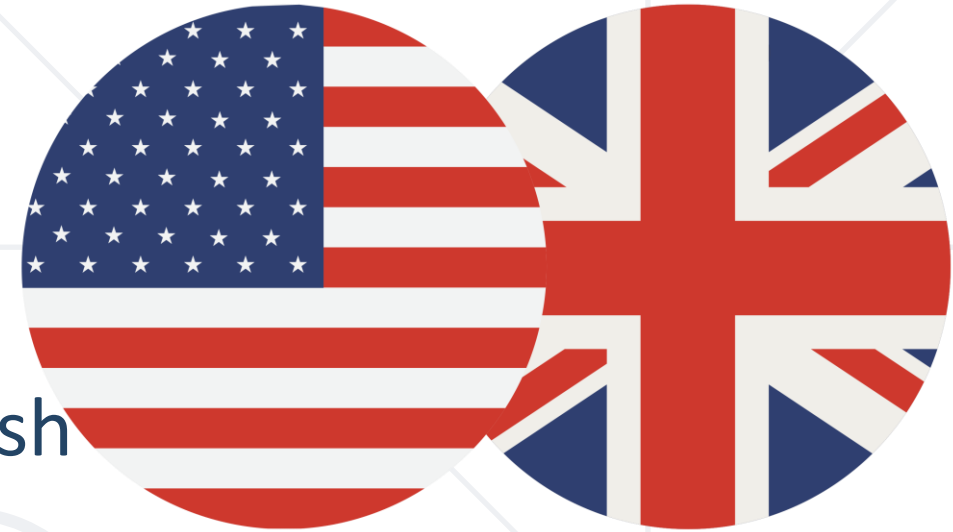
18:30 – 19:30 Part 1
19:30 – 19:40 Break 1
19:40 – 20:30 Part 2
20:30 – 20:40 Break 2
20:40 – 21:30 Part 3

Typically, we will end
around 22:00 😊



Why English?

- Why the slides are in English?
 - English is the native language of the IT people
 - Specific terminology should be in English
 - Translations are inaccurate and funny
- Just learn English!
 - No excuses





Exam and Evaluation Criteria



- (Install and) configure a few machines
- Connect them in a certain way
- Install and configure a set of services
- Create set of users and groups
- Set the appropriate permissions
- Write a simple script that does what is requested
- Additional tasks as per the exam requirements

The **practice exam** will be held **remotely** in a **controlled environment**

30

minutes

20

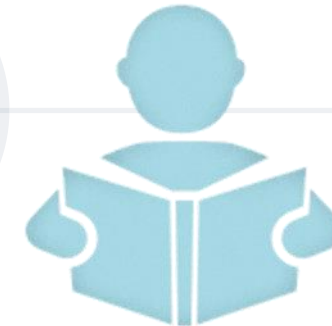
single-choice
questions

10

multi-choice
questions

- (almost) **Every week** there will be a homework
- You must submit the solution **within 7 days**
- **7 assignments** in total
- **10 bonus points** in total

- The course assignments require to **search in Internet**
 - This is an important part of the learning process
 - Some exercises intentionally have no hints
- Learn to find solutions!
 - Software development includes **everyday searching and learning**
 - No excuses, just **learn to study!**
 - Developers learn new technologies, tools, languages every day!





About Me

Just a Few Words



- During office hours work as Consultant
- Passionate about technology and teaching
- Other side activities:
 - Technical Trainer
 - openSUSE Advocate
 - VMUG Bulgaria Leader



About You
Just a Short Form

- Go here:

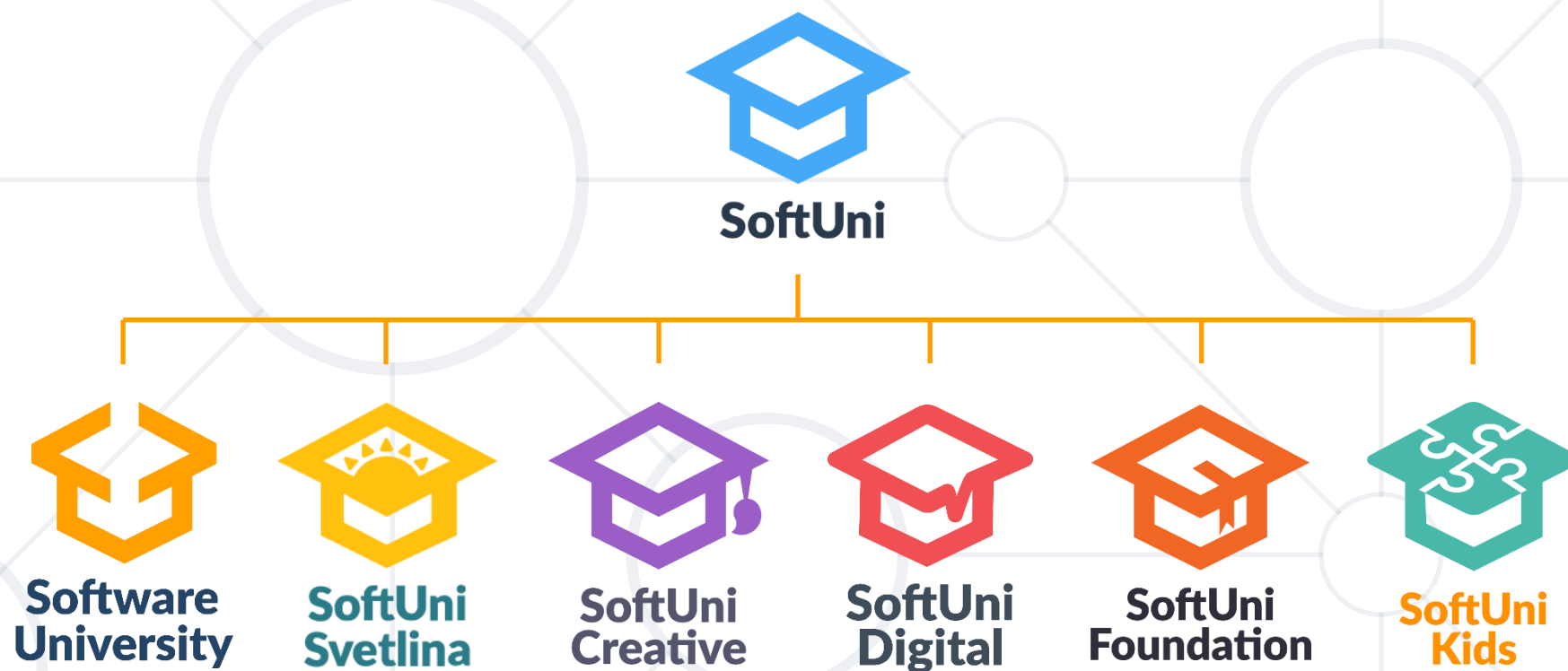
<https://zahariev.pro/go/wsa-about-you>

- Write down a few words about you
- Share your expectations/suggestions



We are ready to move **forward**.

Questions?



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