

“Ansible Automation Platform / AWX in Practice”

training information

Duration: 1 day

Training hours: 09:00-17:00

Number of clock hours: 8

Number of training hours: 9

Format: online / on-site

Teaching methods: lectures, exercises, labs

Document confirming completion of the training: certificate, certificate of attendance (optional)

Price: to be determined (TBD)

Trainer: **Jakub Muszyński**

DevOps practitioner @Blue Soft, consultant for 'special tasks', SysAdmin and Developer. Familiar with large organisations (Inteligo, PKO, SGB BANK) and startups. AWS - Azure - Ansible - Evangelist. Specialises in Ansible, CI/CD processes, governance, Kubernetes and has 'multi-platform' experience: IoT, Rpi, Arduino.

Requirements:

- The trainee should have his **own laptop with any operating system** installed. The software needed for the training will be installed on a virtual machine and available in the public cloud.
- Access will be provided via **any web browser**, e.g., Firefox, Chrome, which should be installed on the participant's computer.
- Participants will need any **SSH client** that enables ssh login to the VM.

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- A locally installed **notepad** will be useful, np. notepad++.

Course syllabus:

Ansible - Creating CI/CD Pipelines (AWX)

- Review of selected Ansible topics and systematization of knowledge.
- Creating a pipeline for AWX:
 - working on a prepared, pre-installed AWX instance,
 - lab - configuring a project in AWX, synchronizing the project with GitHub/GitLab,
 - running playbooks,
 - backup & restore concepts for AWX.
- Selected pipeline configuration topics:
 - notifications,
 - log collection for auditing purposes,
 - periodic execution of tasks.

AWX/Tower Graphical User Interface

- AWX installation,
- manual and automated AWX configuration from code (SaaS).

Ansible Galaxy

- overview of role and collection versioning.

Working in a Large Organization with AWX, Building a Permission Model

- overview of the permission model in AWX, group discussion,
- labs.

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Dedicated Execution Environment for Developers

- concepts and configuration examples for a local Ansible working environment.

Credentials in the AWX Environment

- Ansible-Vault and examples of automated secret loading,
- concept of maintaining secrets in external systems,
- PIM with CyberArk.

Consultations on Ansible topics, exchange of experiences, best practices, opportunity to collaboratively design and write playbooks or roles based on participants' ideas.

Materials: presentation slides, original digital exercises in Polish

Post-training support: ready-to-use materials for your company

Knowledge and skills after training

During the training, participants will gain practical skills regarding:

- working with the Ansible AWX platform,
- creating pipelines for AWX,
- credentials in the AWX environment

Information about the Organizer

Name: Fundacja SysOps/DevOps Polska

Address: ul. Zbigniewa Wasiutyńskiego 16, 00-707 Warszawa

Tax Identification Number (NIP): PL113-29-70-799

Regon: 369993392

KRS: 0000727192

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Note: The SysOps/DevOps Polska Foundation can issue VAT-exempt invoices based on a statement provided by the Client.