

Skillbox



EnglishDom
ВДОХНОВЛЯЕМ ВЫУЧИТЬ

DEPLOYMENT AND MAINTENANCE

English for IT

Онлайн-курс



STRUCTURE

DEPLOYMENT

- What is software deployment. Даем определение
- DevOps engineer. Основные задачи
- Deployment activities. Действия при развертывании
- Continuous Integration (CI). Непрерывная интеграция

TESTING

- What is software maintenance. Даем определение
- Support team. Основные задачи
- Maintenance technical issues. Технические вопросы по сопровождению
- Categories of Maintenance. Категории сопровождения

LET'S SUM UP!

USEFUL LINKS

Software deployment is all of the activities that make a software system available for use. In other words, getting software out of the hands of the developers into the hands of the users.

- Syntax error
- Semantic error
- Logic bug

WHAT IS SOFTWARE DEPLOYMENT

The background of the slide features a warm, orange-toned photograph of a workspace. A laptop and a tablet are visible, resting on a wooden desk. A white coffee cup sits on a saucer in the foreground. The overall aesthetic is professional and modern.



DEVOPS ENGINEER

- **DevOps** (a clipped compound of "development" and "operations") is a software engineering culture and practice that aims at unifying software development (Dev) and software operation (Ops). The main characteristic of the DevOps movement is to strongly advocate automation and monitoring at all steps of software construction, from integration, testing, releasing to deployment and infrastructure management.
- A **DevOps engineer** is an information technology (IT) professional who works with software developers, system operators (SysOps) and other production IT staff to oversee code releases.

- Release
- Installation and activation
- Deactivation
- Adaptation
- Update and built-in update
- Version tracking
- Uninstallation



DEPLOYMENT ACTIVITIES



CONTINUOUS INTEGRATION

Continuous Integration (CI) is a development practice that requires developers to integrate code into a shared repository several times a day. Each check-in is then verified by an automated build, allowing teams to detect problems early. By integrating regularly, you can detect errors quickly, and locate them more easily.

Software maintenance is a part of Software Development Life Cycle. Its main purpose is to modify and update software application after delivery to correct faults and to improve performance.

Maintenance must be performed in order to

- Correct faults
- Improve the design
- Implement enhancements
- Interface with other software
- Adapt programs so that different hardware, software, system features, and telecommunications facilities can be used
- Migrate legacy software
- Retire software



WHAT IS SOFTWARE MAINTENANCE



SUPPORT TEAM

SUPPORT TEAM'S TO-DO LIST

- Maintaining control over the software's day-to-day functions
- Maintaining control over software modification
- Perfecting existing functions
- Preventing software performance from degrading to unacceptable levels

- Limited Understanding
- Testing
- Impact Analysis
- Maintainability

MAINTENANCE TECHNICAL ISSUES





CATEGORIES OF MAINTENANCE

- Corrective maintenance
- Adaptive maintenance
- Perfective maintenance
- Preventive maintenance

DEPLOYMENT

- Deployment is...
- DevOps engineer to-do list is...
- Deployment activities
- Continuous Integration (CI)

MAINTENANCE

- Maintenance is...
- Support team
- Maintenance technical issues
- Categories of Maintenance



LET'S SUM UP!

A composite image featuring a person's hands interacting with a laptop and a tablet. The person is wearing a white sweater and blue jeans. The laptop is silver, and the tablet is black. A large yellow arrow points from the left side of the image towards the right, where the text is located. The text 'USEFUL LINKS' is written in large, white, bold, sans-serif capital letters.

USEFUL LINKS

- [ED Courses App](#)
- [What Is Deployment](#)
- [CI/CD | Continuous Integration | Delivery | Deployment](#)
- [Seven Deadly Sins of Software Deployment - Josh Berkus](#)
- [The 4 Types Of Software Maintenance](#)
- [Low Maintenance: Why Our Obsession with Innovation is a Problem | Tom Roach | TEDxBryantU](#)

ДЛЯ СТУДЕНТОВ SKILLBOX В ПОДАРОК ОТ ENGLISHDOM

1 месяц Premium подписки **ED Words**
по промокоду **englishdomskillbox**



Тематические
наборы слов



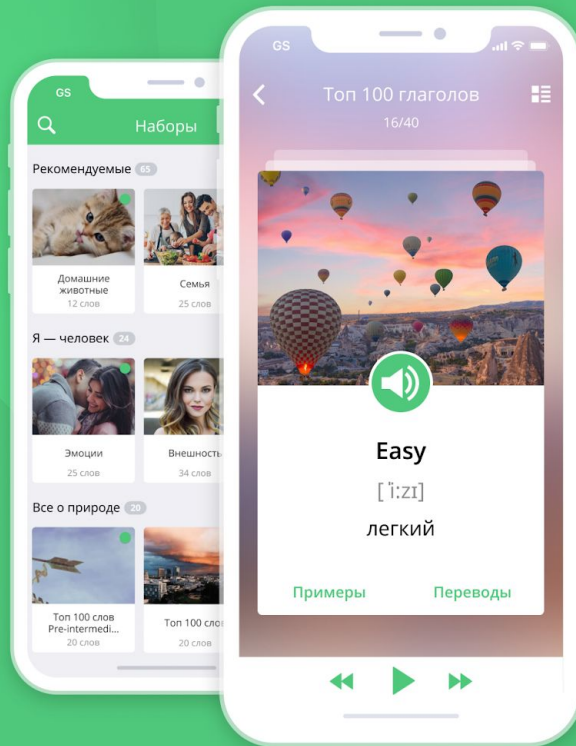
Интерактивные
Smart-тренировки



Статистика
обучения



Соревнования
с друзьями



Загрузите в
App Store



ДОСТУПНО В
Google Play



+2 урока английского бонусом
при покупке любого пакета занятий
с преподавателем в EnglishDom
по промокоду **skillbox**



занятия проходят на цифровой
платформе **ED Class** по видеосвязи



преподаватель русскоязычный
или носитель языка



подбираем индивидуальную
программу согласно ваших целей

НАЧАТЬ БЕСПЛАТНО

Skillbox



EnglishDom
ВДОХНОВЛЯЕМ ВЫУЧИТЬ

YOU DID IT!

