



# Microsoft Azure DevOps Solution Expert

Master's Program

Powered by:  Microsoft



# Table of Content

Program Overview	3
Key Features of the Program	4
About Simplilearn	5
Partnerships and Certifications Alignment	5
Eligibility Criteria	6
Talk to an Admissions Counselor	6
Cloud Computing Industry Trends	7
Careers in Cloud Computing	8
Program Outcomes	11
Who Should Enroll in This Program?	12
Learning Path Visualization	13
Tools Covered	18
Certificate	19
Classroom-Level Immersion: Delivered Digitally	20
Customer Reviews	21
Corporate Training	22

# About the Program

Simplilearn's Azure DevOps Solutions Expert Program, powered by Microsoft is meticulously crafted to enhance your Microsoft Azure expertise. You'll gain a deep understanding of DevOps practices and Azure DevOps tools, mastering the techniques required to design, implement, and manage robust CI/CD pipelines. This program will equip you with the essential skills to streamline application deployment, enhance collaboration between development and operations teams, and address real-world challenges in continuous integration and delivery. By the end, you'll be well-prepared to excel as a proficient Azure DevOps engineer.

With this program, you enrich your learning through practical exercises and experiments in a simulated cloud environment. This includes live classes, peer-to-peer collaboration and hands-on labs. You will gain practical experience in cloud architecture design, security, cost management, identity management, data storage, network configuration, etc., preparing you for advanced roles in cloud computing.

Upon completing the program, you will gain access to Simplilearn's Job Assistance services, including personal career mentoring, expert resume writing and interview preparation. You also receive an exam voucher for any one Microsoft Azure course and training on essential Azure tools.

# Key Features of the Program



Earn a course completion certificate from Microsoft and Simplilearn and get an Microsoft learn badge hosted on the MS learn portal



Earn an official Microsoft Azure completion transcript, validating your successful program completion.



Get access to an MS Azure exam voucher for any one Azure course\*



Learn 30+ In-Demand Skills & 20+ Services



Content aligned to AZ 900, AZ 204, AZ 400 certifications



Get lifetime access to self-paced videos & class recordings



DevOps tools covered in the curriculum, including Azure Pipelines, Azure Repos, Azure Artifacts, Azure Test Plans, Azure Kubernetes Service (AKS), and many more



Get access to a dedicated Learner Success Manager

*The exam vouchers are only available in the following countries - India, US, Canada, Bahrain, Brunei Darussalam, Denmark, Fiji, French Polynesia, Greenland, Guam, Iceland, Kuwait, New Caledonia, Norway, Oman, Qatar, Saudi Arabia, South Georgia, Sweden, UAE, and Singapore*

# Partnerships and Certifications Alignment

This Azure DevOps Solutions Expert Master Program is powered by Microsoft and Simplilearn is an official partner for this program.



## About Simplilearn

Founded in 2010 and based in Plano, Texas and Bangalore, India, Simplilearn, a Blackstone portfolio company, is the world's leading digital skills provider, enabling learners across the globe. Simplilearn offers access to world-class work-ready training to individuals and businesses worldwide. Simplilearn offers 1,500+ live online classes each month across 150+ countries, impacting over 8 million learners globally. The programs are designed and delivered with world-renowned universities, top corporations, and leading industry bodies via live online

# Eligibility Criteria

For admission into this program, candidates:

- ✔ Should be at least 18 years old and have a high school diploma or equivalent
- ✔ Must have a basic idea of Azure administration, Azure development, or DevOps (preferred but not mandatory)
- ✔ Are not required to have prior professional experience

## Talk to an Admissions Counselor

Our team of dedicated admissions counselors is prepared to address your questions or concerns about the Cloud Computing Bootcamp.

Our team is available to:

- ✔ Answer your questions about the application process.
- ✔ Discuss your financing options.
- ✔ Provide insight into the curriculum, program outcomes and more.

**INQUIRE NOW**

Contact Us | 1-800-212-7688

# Cloud Computing Industry Trends



**90% Businesses**

Are already on the cloud

*Source: Radix*



**\$ 1.55 trillion**

Estimated market size by 2030

*Source: Allied Market Research*



**\$153K**

The average annual salary of a  
Azure DevOps Engineer in the U.S

*Source: Glassdoor*

# Cloud Computing Career Outlook

Given the strong demand for Azure DevOps experts, salaries typically reflect the prevailing market conditions. The company's size, geographical location, and industry can significantly influence compensation levels. Taking these variables into consideration, we have compiled an estimate of what you can expect to earn in the following Azure DevOps roles:

## Azure DevOps Engineer

**Job Role** -An Azure DevOps engineer designs, implements, and manages continuous integration and continuous deployment (CI/CD) pipelines on Azure. They work on automating processes, enhancing collaboration between development and operations teams, and ensuring efficient delivery of applications.



Average Salary Range -  
\$130,000 – \$160,000

## Azure DevOps Architect

**Job Role** -An Azure DevOps architect is responsible for designing and overseeing the implementation of DevOps practices and infrastructure on Azure. They create strategies for CI/CD, infrastructure as code, and automation to support scalable and efficient development operations.



Average Salary Range -  
\$145,000 - \$175,000

## Azure DevOps Consultant

**Job Role** -An Azure DevOps consultant provides expert guidance on implementing and optimizing Azure DevOps practices for organizations. They assess current systems, recommend improvements, and help in the deployment of Azure DevOps solutions.



Average Salary Range -  
\$120,000 - \$150,000



## Azure DevOps Specialist

**Job Role** - An Azure DevOps specialist focuses on specific aspects of Azure DevOps, such as pipeline management, configuration, and deployment strategies. They work closely with development teams to streamline workflows and ensure effective use of Azure DevOps tools.



Average Salary Range -  
\$110,000 - \$140,000

## Azure Cloud Engineer (DevOps Focus)

**Job Role** - An Azure cloud engineer with a DevOps focus handles the design, deployment, and management of cloud infrastructure with an emphasis on integrating DevOps practices. They ensure that cloud resources are optimized for performance and cost-efficiency while supporting DevOps processes.



Average Salary Range -  
\$125,000 - \$150,000

## Azure DevOps System Administrator

**Job Role** - An Azure DevOps system administrator manages the Azure DevOps environment, ensuring smooth operation of tools, pipelines, and integrations. They handle user access, security, and maintenance tasks related to Azure DevOps infrastructure.



Average Salary Range -  
\$68,000 - \$84,000

## Azure DevOps Security Engineer

**Job Role** - An Azure DevOps security engineer implements and maintains security measures within Azure DevOps environments. They ensure that development and deployment processes adhere to security best practices and protect against vulnerabilities and threats.



Average Salary Range -  
\$90,000 - \$114,000

## Azure DevOps Developer

**Job Role** - An Azure DevOps developer focuses on building and maintaining automated pipelines and scripts within the Azure DevOps environment. They develop solutions to support continuous integration and deployment, ensuring robust and scalable application delivery.



Average Salary Range -  
\$120,000 - \$145,000



# Program Outcomes

By the end of this program, you will be able to:

- ✔ Earn a course completion certificate for each course from Microsoft hosted on the MS learn portal
- ✔ Gain a solid foundation in cloud computing principles, including deployment models and the benefits of cloud services within Microsoft Azure.
- ✔ Develop expertise in deploying, managing, and configuring Azure App Service environments to support scalable and fault resilient applications.
- ✔ Learn to set up and manage role-based access control to handle user and group permissions, ensuring appropriate access levels within Azure.
- ✔ Master the design and development of Azure web apps using Azure CLI, PowerShell, and other Azure tools, incorporating best practices for performance and scalability.
- ✔ Learn to apply comprehensive security measures and manage identities effectively to safeguard Azure solutions against threats and ensure robust protection.
- ✔ Gain advanced skills in designing and implementing continuous integration and continuous deployment (CI/CD) pipelines with Azure DevOps, utilizing infrastructure as code (IaC) practices to automate and streamline deployment processes.
- ✔ Acquire skills to oversee Azure subscriptions, handle billing processes, and optimize costs effectively.

# Who Should Enroll in This Program?

This program is designed to train professionals who will be responsible for cloud computing and devops in their respective organizations and is recommended for individuals pursuing positions including, but not limited to:

## Cloud Solutions Architect



## Cloud Engineer



## Cloud Consultant



## Cloud Developer



## Cloud Security Architect



## Cloud Practitioner



## Application Security Analyst



## Cloud Administrator



## Cloud Infrastructure Engineer



## Technical Cloud Architect



## CI/CD Pipeline Engineer



## Azure DevOps Engineer



## Solutions Architect



## DevOps Consultant

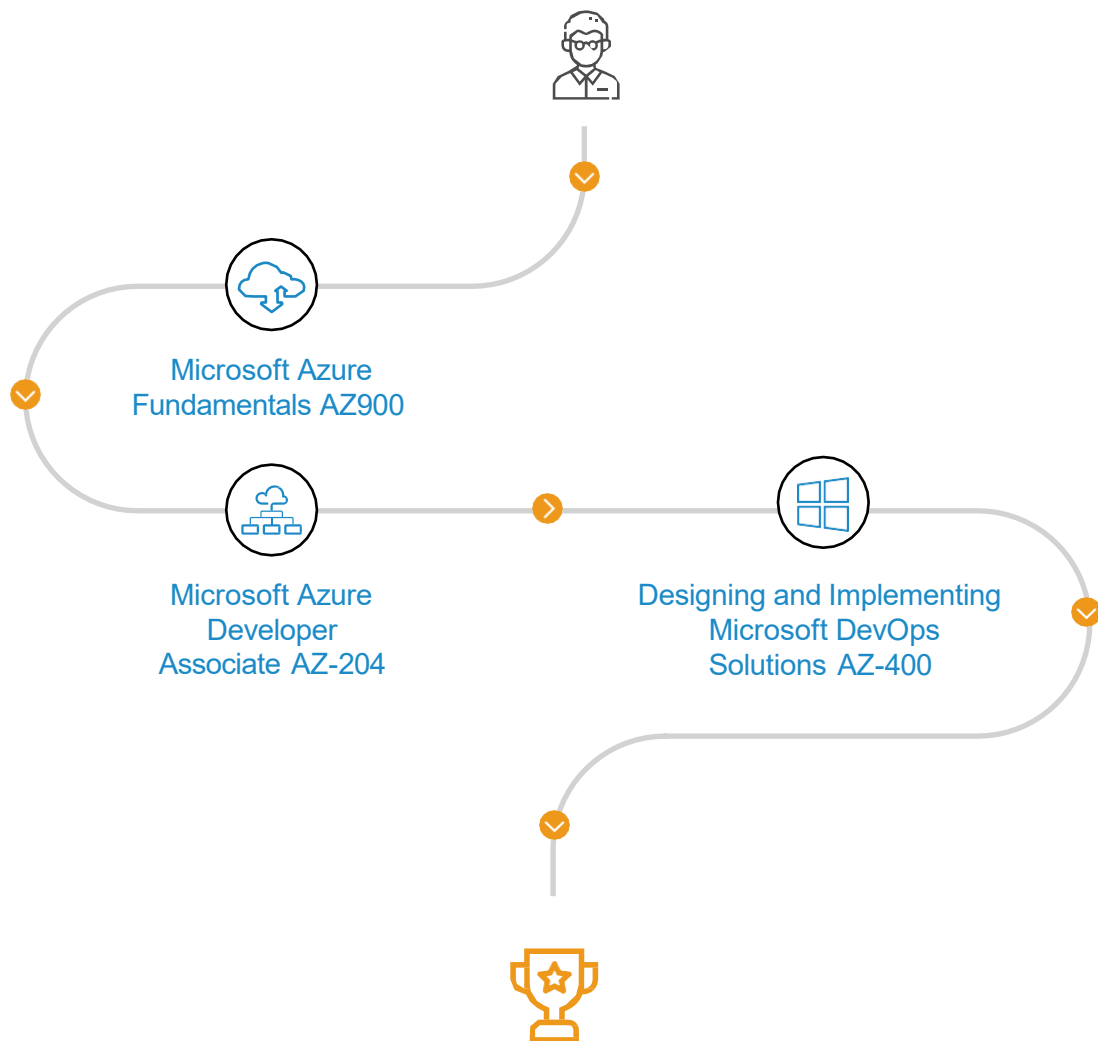


## Azure DevOps Architect



The program provides a comprehensive foundation, practical development skills, and advanced Azure DevOps strategies, preparing you for a wide range of Cloud and DevOps related careers.

# Learning Path Visualization



## Electives:

- ✔ Step 1- Microsoft Azure Administrator Associate AZ-104

## Microsoft Azure Fundamentals

Simplilearn's Microsoft Azure Fundamentals Training will familiarize you with the main principles of cloud computing and how they have been implemented in Microsoft Azure. This course will get you up to speed on Azure services, security, privacy, compliance, trust, pricing, and support.

### Key Learning Objectives:

After completing this course, you will be able to:

- ✓ Understand cloud computing, Azure, and Azure subscriptions
- ✓ Describe and create Azure web apps
- ✓ Create and configure VMs in Microsoft Azure
- ✓ Work with Azure storage
- ✓ Create and deploy databases in Azure
- ✓ Configure Azure AD

### Course Curriculum - Live Class Learning

- ✓ Module 01 - Cloud concepts
- ✓ Module 02 - Core Azure services
- ✓ Module 03 - Security, Privacy, compliance, and trust
- ✓ Module 04 - Azure pricing and support

## Microsoft Azure Developer Associate AZ-204

The Azure Developer certification course prepares you for Microsoft's Azure Developer certification exam AZ-204. It covers Azure architecture, Azure technology development solutions, Azure storage services and solutions, cognitive services such as computer vision, QnA maker, Azure service solutions, and API management services.

### Key Learning Objectives:

By the end of this Azure training, you will be able to:

- ✓ Implement IaaS solutions using Azure Container registry and instances
- ✓ Create and implement Azure App Service web apps
- ✓ Implementing Azure functions using data operations, timers, and webhooks
- ✓ Deploy Cosmos DB storage and blob storage
- ✓ Implement Azure security using authentication and authorization
- ✓ Connect and work on Azure services and third-party services

### Course Curriculum

- ✓ Module 01 - Develop Azure Compute Solutions
- ✓ Module 02 - Develop for Azure storage
- ✓ Module 03 - Implement Azure security
- ✓ Module 04 - Monitor, troubleshoot, and optimize Azure solutions
- ✓ Module 05 - Connect and consume Azure services and third-party services



## Designing and Implementing Microsoft DevOps Solutions AZ-400

### Key Learning Objectives:

By the end of this Azure training, you will be able to:

- ✓ Understand the role of transformation planning, project selection, and team structure in DevOps
- ✓ Integrate Azure pipelines
- ✓ Monitor AKS Cluster from Azure Monitor
- ✓ Deploy a multi-container application to AKS
- ✓ Migrate and consolidate artifacts
- ✓ Use WhiteSource to manage open-source security and license
- ✓ Use secrets in the pipeline with Azure Key Vault
- ✓ Release deployment control using Azure Monitor as release gate
- ✓ Set up Azure Service Fabric
- ✓ Create Azure resources using ARM templates, Azure CLI, and Azure PowerShell
- ✓ Automate infrastructure deployment in the cloud with Terraform and Azure pipelines
- ✓ Manage technical debt with Azure DevOps and SonarCloud

### Course Curriculum

- ✓ Module 01 -Develop an instrumentation strategy
- ✓ Module 02 -Develop a Site Reliability Engineering (SRE) strategy
- ✓ Module 03 -Develop a security and compliance plan
- ✓ Module 04 -Manage source control
- ✓ Module 05 -Facilitate communication and collaboration
- ✓ Module 06 -Define and implement continuous integration
- ✓ Module 07 -Define and implement a continuous delivery and release management strategy

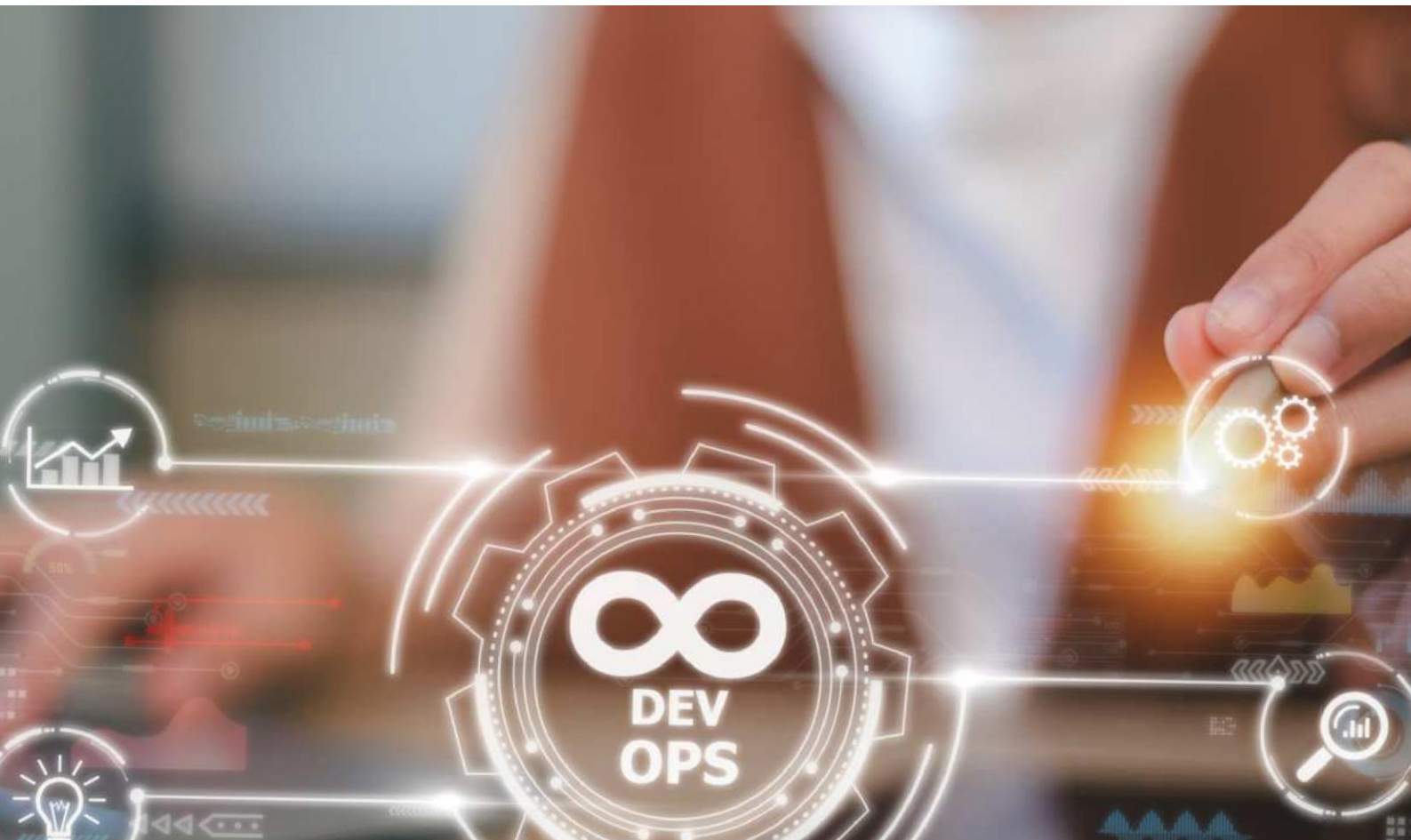


## Electives:



### Microsoft Azure Administrator Associate AZ-104

This Azure training course covers activities on the Azure platform such as implementing, managing, and monitoring identity, governance, storage, compute, and virtual networks in a cloud environment, plus provision, size, monitor, and adjust resources, when needed.



# Tools Covered



Azure Policy



Azure Blueprints



Azure Key Vault



Azure Workbooks



Azure Monitor



Azure Front Door



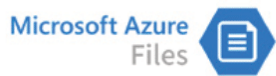
Azure Traffic Manager



Azure Site Recovery



Azure Blob Storage



Azure Files



Azure SQL DB



Azure Cosmos DB



Azure Stream Analytics



Azure Virtual Machines



Azure App Service



Azure Kubernetes Service



Azure Resource Manager (ARM)



Azure Load Balancer



Azure VPN Gateway



Azure Application Gateway

# Certificate



# Certificate



# Classroom-Level Immersion: Delivered Digitally



# Customer Reviews



## Sreekumar Changat

I am currently enrolled in the Azure Architect Master's Program from Simplilearn. The organization provides an excellent platform with a hands-on approach through its learning platform. This includes self-learning videos, live classroom lectures, lots of practical assignments, and tests. Thank you, Simplilearn team!

---



## Prabhangshu Kashyap Sarma

Simplilearn's learning platform is the best place to learn with tutorial videos, live classes, and live projects that you can easily understand the subject matter. They also have excellent customer service.

---

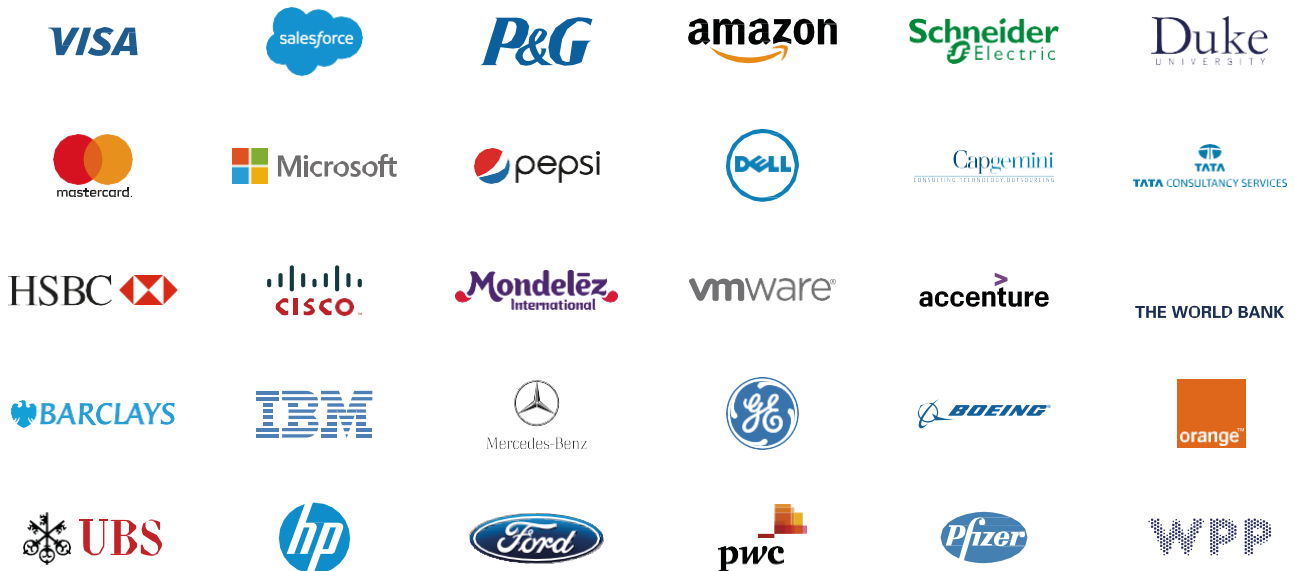


## Vikram Rahul Padamatintit

The materials and content are very relevant and in line with the certification exam. The standard of questions in the sample quizzes is equal to that of the certification. Thank you Simplilearn for providing such quality content and helping me to become a master in this particular course.

# Corporate Training

Top clients we work with:



Features of Corporate Training:



Tailored learning solutions



Flexible pricing options



Enterprise-grade learning management system (LMS)



Enterprise dashboards for individuals and teams



24X7 learner assistance and support



## United Kingdom

UBC 1st Floor

The Mille

1000 Great West Road

TW89DW

Phone: +44 7397 538 969

E-mail: [info@itaassociates.co.uk](mailto:info@itaassociates.co.uk)

[www.itaassociates.co.uk](http://www.itaassociates.co.uk)

©2025 - All Rights Reserved.