

Virtual Assessment Service

Industry: Digital

City & Guilds code: 9648-75 Infrastructure Technician

9648-76 Software Developer

9648-77 Network Engineer

9648-78 Digital Marketer

9660-13 Cyber Security Technologist

9790-72 Unified Communications Technician



A City & Guilds Group Collaboration

The City & Guilds Virtual Assessment Service (VAS) is designed to take away the stress and issues surrounding the provision of physical equipment for apprentices to undertake the synoptic projects that form part of the end-point assessment (EPA) of the Digital apprenticeship standards. The VAS uses tried and tested third party solutions from Cisco and CloudShare, both the leaders in their fields of providing virtual learning environments.

As part of the VAS, City & Guilds has developed specific environments that have been tried and tested for the projects that the apprentice will work through. The projects have been specifically written for each environment and utilise their capabilities for the relevant standard.

- Cisco Packet Tracer will be used for connectivity projects.
- CloudShare for testing and deployment projects.



A secure environment that reduces risk to provider or employer equipment and services. Cost-effective solution requiring no maintenance.



Supported by market leaders in virtual learning and testing environments. Backed by City & Guilds EPA team and specialists.



Higher productivity and opportunity for projects to be undertaken at the provider or employer. Less wastage of consumables by removing the need for physical products.



User guides that provide introduction on using each virtual platform. Individual logins provide the apprentice with their own work environment.

The City & Guilds Digital Apprenticeship Virtual Assessment Service

The experience of a real work without the risk to systems and security

Packet Tracer



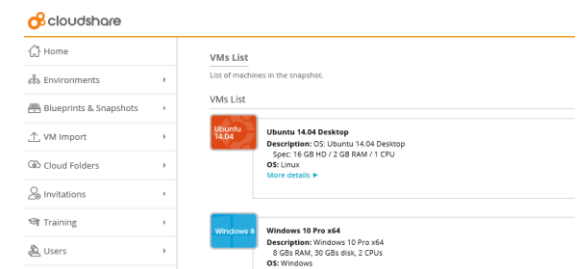
City & Guilds has become a Cisco Network Academy to take advantage of using Packet Tracer, the cross-platform visual simulation tool designed by Cisco Systems that allows users to create network topologies and imitate modern computer networks. The software allows users to simulate the configuration of Cisco routers and switches using a simulated command line interface.

Packet Tracer makes use of a drag and drop user interface, allowing users to add and remove simulated network devices as they see fit. The software is mainly focused towards students as an educational tool for helping them learn fundamental CCNA concepts.

City & Guilds has developed templates (PKAs and PKTs) to work with our installation of Packet Tracer and provide a secure virtual lab for the Digital Apprenticeship Synoptic Projects that involve connectivity tasks.

CloudShare

As the leading supplier of virtual IT environments in the cloud, CloudShare provides its clients with specialized solutions designed to meet a wide variety of business needs – including lab environments for virtual training, development and testing, and sales demos and POCs. City & Guilds will make use of CloudShare’s ability to create environments that provide on-demand access to infrastructure resources such as servers, storage, networks, and software for its deployment and testing Synoptic Projects.



Created environments can consist of a single virtual machine or multiple networked machines and are able to operate seamlessly with the user’s physical PC or workstation. These environments can then be used to test software developments, deployment of websites, upgrading of software and cyber security analysis.

More information

If you are a City & Guilds centre, contact your Business Manager to find out prices and how to access the service. If you are a new customer, please contact apprenticeships@cityandguilds.com to find out more.

Alternatively, for more information on products and services visit www.cityandguilds.com/apprenticeships.