

Cloud Technology Experts

CLOUD COMPUTING ARCHITECTURE

Full scholarships provided by TWC WIOA (Workforce Innovation and Opportunity Act)

The cloud is the future. Irrespective of your field of study, a knowledge of the cloud will be required for almost all IT related jobs, now and in the future. Due to companies migrating their compute, network, storage and databases from traditional on-premise data centres to the cloud, there is a huge demand for professionals who are skilled on the cloud platform especially the AWS cloud platform.

The **Cloud Computing Architecture** prepares students to install, deploy, configure, manage, secure, and analyse cloud computing technologies (compute, storage, network, databases, Big Data analytics, etc). The course provides a strong understanding of technologies involved in building cloud infrastructure and a comprehensive understanding of technologies, processes, and mechanisms required to build cloud infrastructure.

The course starts by preparing the students with the fundamental skills required for the cloud. By studying the foundational courses, the students will have the necessary background required to learn how to architect on the cloud. Students will be qualified to take several certifications (at least 2 certifications) as a result of the learning provided in this course:

The Curriculum:

- AWS Cloud Practitioner training
 - Cloud Practitioner Essentials
 - Technical Essentials
 - Business Essentials
 - Test bank for student's preparation
 - Register and take AWS certified practitioner (Exam cost not included in the original cost of the class but can be waived)
- Prep for solutions Architect
 - Linux Systems Essentials
 - Linux Network Admin Fundamentals
 - Linux Storage Admin Fundamentals
 - OPTIONAL can then register and take the LPI 'LP1 Linux Essentials' cert exam. This exam cost is not included in the cost of the class.
- AWS Solutions Architect Associate training
 - Follows the official curriculum required to pass the AWS certified solutions architect
 - Test bank for student preparation
 - Register and take AWS Certified solutions Architect exam (Exam cost is included in the cost of the class)
Total Hours required for the training: 160 Hours (80-hour Lecture and 80-hour labs)
- Training Plan:
 - Cloud Foundation and taking the certification exam, weeks 1 and 2
 - Linux Network Admin Fundamentals (systems administration, MySQL), week 3
 - Network, week 4
 - Linux Storage Admin Fundamentals, week 5
 - AWS Solutions Architect Associate, weeks 6-8

Each week is approximately 20 hrs/week for both in class and offsite. Students will attend class but required to spend some time (offsite) studying/reviewing on their own. Students could decide to commit 8 hours/Day and complete the course in 4 weeks or 4 hours/Day and complete in 8 weeks. **Students can attend classes remotely**

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DOCKER CONTAINERS & KUBERNETES ADMINISTRATION

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OBJECTIVE /PURPOSE OF COURSE:

Do you want to be at the forefront of Technology innovation? The future of IT infrastructures is Multi-cloud, powered by Docker/Kubernetes. This course of instruction typically prepares individuals for Docker administrator, Kubernetes Administrator, Cloud Administration. The **Docker Containers & Kubernetes Administration** prepares students to install, deploy, configure, manage, secure, and analyse containerized environments. The course provides a strong understanding of technologies involved in building cloud infrastructure with emphasis on multi-cloud, docker containers and Kubernetes.

Upon completion of this program students will have the confidence required to start their career in a company migrating their applications to a containerized platform. The course starts by preparing the students with the fundamental skills required for the cloud. By studying the foundational courses, the students will have the necessary background necessary to learn how to manage containers on the cloud. Students will be qualified to take 3 certifications after the course:

- LPI Linux Essentials Certification
- Docker Certified Associate (DCA)
- Kubernetes Certified Administrator (KCA)

Taking the Kubernetes Certified Administrator (KCA) certification is recommended at the end of the training.

COURSE OUTLINE

Subject #	Subject Title	Course Time Hours Lec/Lab/Ext/Total
CTE001	Linux Systems Essentials	16/16/00/ 32
CTE002	Linux Network Administration Fundamentals	8/8/00/ 16
CTE003	Linux Storage Administration Fundamentals	8/8/00/ 16
CTE008	Virtualization and Docker Administration Training	20/20/00/ 40
CTE009	Kubernetes Certified Administrator Training	20/20/00/ 40
CTE017	Employment Skills & Job preparation, Revision for Docker & Kubernetes Administration Final Exam	8/8/00/16
	Total Hours for Program Completion	80/ 80 / 00/ 160

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TWC Funding: Note that you must be unemployed to qualify for funding

To obtain funding do the following:

- Based on your location, call one of the following TWC numbers:
 - a. Denton Worksolutions: Address: 1300 Teasley Ln, Denton, TX 76205 Phone: (940) 382-6712
 - b. Mckinney Workforce solutions: 1701 Eldorado Pkwy #250, McKinney, TX 75069 Phone: 972-542-3381
 - c. Dallas Workforce Solutions: 5955 Alpha Rd suite 200, Dallas, TX 75240 Phone: 972-388-5600
 - d. Workforce solutions for Tarrant County: 817.413.4000
 - Alliance Opportunity Center
2421 Westport Parkway, Suite 200
Fort Worth, TX 76177
 - Arlington Workforce Center
Section C in the Center for Continuing Education and Workforce
Development
at University of Texas at Arlington (UTA)
140 W. Mitchell
Arlington, TX 76010
 - Central Workforce Center
1515 S. Sylvania Ave
Fort Worth, TX 76111
- Once you call TWC office they'll normally arrange for you to attend an orientation where they take you through the process. You will then complete some forms which begins the selection process.
- At some point they'll ask you tell them the school you want. You will then contact us to send them a bid letter. Call 0800-690-2675 or email training@cloudtechnologyexperts.com for more information or to ask for a bid letter.