

Training: The Linux Foundation CTAD Certified TARS Application Developer



TRAINING GOALS:

The Certified TARS Application Developer (CTAD) exam demonstrates an understanding of critical concepts in microservices and components/functions of the TARS Framework.

The Certified TARS Application Developer (CTAD) certification is ideal for users interested in demonstrating early proficiency and aptitude in microservices.

A Certified TARS Application Developer has entry-level skills and knowledge to develop microservices and other components within a TARS Framework. This exam is intended to demonstrate that certification holders understand a project's resources to support continuous development, quickly building credibility and value in the job market.

The CTAD demonstrates candidates' knowledge about developing and maintaining microservices in the TARS Framework. The specific areas include: installing and operating TARS in Docker, Kubernetes, or from source code; creating a microservices application using the TARS Framework in a chosen programming language; and awareness of the functions/plugins available to maintain or scale up microservices applications in TARS.

Domains & Competencies:

- **Configuration 12%**
 - Configuration templates
 - Customizing configuration file
 - Configuration hierarchy and inheritance
- **Database & Storage 6%**
 - MySQL
 - DCache
 - NFS
 - Volumes in Docker
- **Installation & Deployment 10%**
 - Docker
 - Source code
- **Logging & Monitoring 18%**
 - Dyeing logs
 - Remote logging
 - Properties monitoring

- **RPC & Networking 18%**
 - Tars protocols
 - Serialization and deserialization
 - Networking
- **Scheduling 16%**
 - "IDC/SET "
 - Load balancing
 - Routing
 - Failure preventing (circuit breaker)
 - Name service
- **TARS Core Concepts 8%**
 - Framework components
 - Building a service
- **Testing 6%**
 - Interface debugger
 - TarsJMeter
 - TarsBenchmark
- **Troubleshooting 6%**
 - Error scenarios
 - Configuration errors

Exam Details & Resources:

This exam is an online, proctored, multiple-choice exam.

- Linux Foundation Global Certification & Confidentiality Agreement
- Candidate Handbook
- CTAD Important Instructions

REQUIREMENTS:

There are no pre-requisites for this exam.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by The Linux Foundation

TRAINER:

The Linux Foundation Certified Trainer

ADDITIONAL INFORMATION:

Online
Certification Valid for 3 Years
Includes 12 Month Exam Eligibility
Free Retake
Multiple Choice Exam
Duration of Exam TBD