Training: The Linux Foundation
CTAD Certified TARS Application Developer

THE LINUX FOUNDATION AUTHORIZED TRAINING PARTNER

TRAINING GOALS:

The Certfied 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

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- **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

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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

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