

Q PeopleCert

Official Training Materials



Observability (OBSF) Foundation[™] Certificate

Observability (OBSF) Foundation is a freestanding certification from DevOps Institute. The purpose of this certification and its associated course is to impart, test and validate knowledge of Observability basic vocabulary, principles and practices. Observability Foundation is intended to provide individuals an understanding of basic Observability concepts and how observability may be used to improve operational activities by applying observability principles and practices.

Eligibility for Examination

Although there are no formal prerequisites for the exam, DevOps Institute highly recommends the following to prepare candidates for the exam leading to Observability Foundation certification:

 It is recommended that candidates complete at least 16 contact hours (instruction and labs) as part of a formal, approved training course delivered by an accredited Education Partner of DevOps Institute

Examination Administration

The Observability Foundation certification is accredited, managed and administered under the strict protocols and standards of DevOps Institute.

Level of Difficulty

The Observability Foundation certification uses the Bloom Taxonomy of Educational Objectives in the construction of both the content and the examination.

- The Observability Foundation exam contains Bloom 1 questions that test learners'
 knowledge of observability concepts and vocabulary terms (see list below)
- The exam also contains Bloom 2 questions that test learners' **comprehension** of these concepts in context

Format of the Examination

Candidates must achieve a passing score to gain the Observability Foundation Certificate.

Exam Type	40 multiple choice questions
Duration	60 minutes
Prerequisites	It is recommended that candidates complete the Observability (OBSF) Foundation course from an accredited DevOps Institute Education Partner
Supervised	No
Open Book	Yes
Passing Score	65%
Delivery	Web-based
Badge	Observability Foundation Certified

Exam Topic Areas and Question Weighting

The Observability Foundation exam requires knowledge of the topic areas described below.

Topic Area	Description	Max Questions
OBSF - 1: Exploring Observability	Observability definition, importance of observability, limitations of traditional monitoring and why it is not enough, and Observability Maturity Model	7
OBSF - 2: Pillars of Observability	Definition and application of telemetry including the Three Pillars of Observability (logs, metrics, tracing)	8
OBSF - 3: Open Source Landscape	Elements of observability, clarifying OpenTelemetry and understanding the open source ecosystem	7
OBSF - 4: Service Maps and Topology	Understanding service maps, defining topology, and understanding the benefits of time travel topology, and reading escalation graphs	2
OBSF - 5: DataOps Helps Get Observability Right	Observability and data paradox, understanding why Observability needs DataOps, understanding data ownership and governance along with data privacy and observability	4
OBSF – 6: Building Observability with AlOps	Enterprise platforms and AlOps and AlOps using artificial intelligence and machine learning technologies	3
OBSF - 7: Security and Networking with Observability	Observing security, container security, network observability, and visibility and integration of securities	5
OBSF-8: Observability Practices for DevOps and SRE	Understanding observability indicators, dashboards and visualization with observability, and chaos engineering	4

Concept and Terminology List

The candidate is expected to understand, comprehend and apply the following Observability Foundation concepts and vocabulary at a Blooms 1(Knowledge) and 2 (Comprehension)

Automatic Instrumentation Cardinality Causal Observability Causal Observability Chaos Engineering Observability Enablement CI/CD Pipeline Scanning CIA(Confidentiality, Integrity, Availability) Triad Cloud Native Computing Foundation (CNCF) Cloud Networking Container Scanning Open Telemetry (OTel) Container Scanning Open Telemetry Protocol (OTLP) Data Governance Predictive Analytics Data Paradox RED (Rate, Errors, Duration) Metrics View DataOps REGistry Scanning Dependency Relations Distributed, Immutable, Ephemeral) Triad Root Span Dependency Relations Distributed Debugging Sampling Distributed Traces Domain-Agnostic Solutions Signals Domain-Centric Solutions Service Level Agreement (SLA) EBPF Service Level Indicator (SLI) ELK (Elasticsearch, Logstash, Kibana) Stack Escalation Graph Events Span ID Filtering Metrics Filtering Traces Instrumentation Instrumenting with Agents Instrumenting with Agents Instrumenting with Agents Instruce Propagation Log Analysis Log Management USE (Utilization, Errors, Duration) Metrics User Interface (UI) Wasc Standard	Application Performance Management (APM)	Metrics
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