



Linux Foundation BCP

**Linux Foundation Besu Professional Certification
Questions & Answers**

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BCP

[Besu Certified Professional \(BCP\)](#)

60 Questions Exam – 75% Cut Score – Duration of 90 minutes

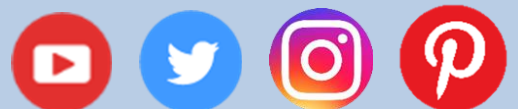


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Discover More about the BCP Certification

Are you interested in passing the Linux Foundation BCP exam? First discover, who benefits from the BCP certification. The BCP is suitable for a candidate if he wants to learn about Blockchain. Passing the BCP exam earns you the Besu Certified Professional (BCP) title.

While preparing for the BCP exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The BCP PDF contains some of the most valuable preparation tips and the details and instant access to useful BCP study materials [just at one click](#).

Linux Foundation BCP Besu Professional Certification Details:

Exam Name	Linux Foundation Besu Certified Professional
Exam Code	BCP
Exam Price	\$250 USD
Duration	90 minutes
Number of Questions	60
Passing Score	75%
Schedule Exam	The Linux Foundation Training & Certification
Sample Questions	Linux Foundation BCP Sample Questions
Recommended Practice	Besu Certified Professional (BCP) Practice Test

BCP Syllabus:

Section	Objectives	Weight
Besu Core Concepts	<ul style="list-style-type: none"> - Blockchain propagation - Genesis File - Gas Concept - Logs and Events - Hashing, Encryption, and Signing - Public Network and Chain IDs - Addresses in Ethereum - The Blockchain Trilemma - Nodes - Public Keys 	24%
Networking	<ul style="list-style-type: none"> - RPC node - Validator Node - New node in Blockchain - Full Synchronization Method - Node Discovery Mechanisms - Node Networking Fundamentals - PoA Consensus Mechanisms - Trusted Private Network - Gas Free Mode - Comparison of all Consensus Mechanisms 	26%
Transactions and Storage	<ul style="list-style-type: none"> - Token Standards - Roles of a Blockchain Node - Account State - Merkle trees - Account Storage - World state in Ethereum 	14%
Cryptography	<ul style="list-style-type: none"> - Transaction Signing Mechanisms - Private Key Management - Symmetric vs Asymmetric Encryption - Structured Data Signing - Elliptic Curve Cryptography 	10%
Permissioning and	<ul style="list-style-type: none"> - Onchain Permissioning 	10%

Section	Objectives	Weight
Privacy	<ul style="list-style-type: none"> - Permissioning - Node vs Account Permissioning - Use Cases - Privacy in Blockchain 	
Execution Engine and Consensus	<ul style="list-style-type: none"> - Transaction Pool - EVM architecture - Block Validation - Layered Transaction Pool 	8%
Monitoring	<ul style="list-style-type: none"> - Besu Node Monitoring - High Availability - Monitoring using Grafana - Plugins 	8%

Broaden Your Knowledge with Linux Foundation BCP Sample Questions:

Question: 1

In the full synchronization method, what data is primarily downloaded?

- a) Only the latest block headers.
- b) Full state and transaction data from genesis to the latest block.
- c) Only finalized blocks.
- d) Cryptographic hashes of transactions.

Answer: b

Question: 2

What does "gas-free mode" in Besu signify?

- a) Transactions are processed without any gas fees.
- b) Gas costs are capped at a fixed value.
- c) Gas fees are automatically reimbursed to the sender.
- d) Validators do not receive gas fees as rewards.

Answer: a

Question: 3

What is a key characteristic of Proof of Authority (PoA) consensus?

- a) It relies on computational power for validation.
- b) Validators are pre-approved and known identities.
- c) It allows nodes to stake tokens for validation rights.
- d) It uses Byzantine Fault Tolerance for scalability.

Answer: b

Question: 4

Which steps are required for a node to join an Ethereum-based blockchain network?

- a) Sync the blockchain state.
- b) Validate the genesis block.
- c) Stake tokens.
- d) Download all historical transactions.
- e) Establish connections with peers.

Answer: a, b, e

Question: 5

What is the primary use of EIP-712 structured data signing in Ethereum?

- a) To enable on-chain encryption of data.
- b) To provide a human-readable representation of signed data.
- c) To replace the use of private keys in transactions.
- d) To simplify the process of creating smart contracts.

Answer: b

Question: 6

How is account storage managed in Ethereum?

(Choose two)

- a) Using hierarchical file directories.
- b) As key-value pairs in a Merkle Patricia tree.
- c) With distributed storage mechanisms like IPFS.
- d) Using hashes for efficient lookup of storage slots.

Answer: b, d

Question: 7

What are the benefits of deploying a Besu node on a trusted private network?

(Choose two)

- a) Enhanced access control over nodes.
- b) Improved consensus scalability.
- c) Ability to participate in Ethereum mainnet staking.
- d) Better data privacy and protection.

Answer: a, d

Question: 8

Which components are part of the Ethereum Virtual Machine (EVM)?

(Choose two)

- a) Execution environment for smart contracts.
- b) Consensus mechanism for blockchain.
- c) Bytecode interpreter for smart contracts.
- d) Hashing algorithm for transaction verification.

Answer: a, c

Question: 9

Which tool is commonly used to monitor the health and performance of a Besu node?

- a) Postman
- b) Jenkins
- c) Prometheus
- d) Ansible

Answer: c

Question: 10

Which elliptic curve is used in Ethereum for cryptographic operations?

- a) P-256
- b) Curve25519
- c) secp256k1
- d) RSA-2048

Answer: c

Avail the Study Guide to Pass Linux Foundation BCP Besu Professional Exam:

- Find out about the BCP syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the [BCP syllabus](#), it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the BCP training. Joining the Linux Foundation provided training for BCP exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the [BCP sample questions](#) and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. BCP practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

Career Benefits:

- Passing the BCP exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

Here Is the Trusted Practice Test for the BCP Certification

VMExam.Com is here with all the necessary details regarding the BCP exam. We provide authentic practice tests for the BCP exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on VMExam.Com for rigorous, unlimited two-month attempts on the **[BCP practice tests](#)**, and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the Besu Certified Professional (BCP).

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