

CCA-F Troytec: Claude Certified Architect Foundations (CCA-F) & Anthropic CCA-F dumps



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Anthropic CCA-F Exam Syllabus Topics:

Section	Weight	Objectives
Topic 1: Agentic Architecture & Orchestration	27%	- Agent design patterns 1. Hub-and-spoke multi-agent systems 2. Agent loops and control flow
		- Anthropic Agent SDK usage 1. Session state and context handling 2. Task spawning and tool management
		- Advanced prompting techniques 1. Few-shot and chain-of-thought prompting 2. System prompts and role framing
Topic 2: Prompt Engineering & Structured Output	20%	- Structured data generation 1. Output validation and reliability 2. JSON schema enforcement
Topic 3: Tool Design & MCP Integration	18%	- Model Context Protocol (MCP) 1. MCP server and client setup 2. Tools, resources, and prompts integration
		- Tool definition and best practices 1. Error handling and validation 2. Tool descriptions and selection logic

- Configuration files and structure

- 1. Custom commands and workflows
- 2. CLAUDE.md and rules system

Topic 4: Claude Code Configuration & Workflows 20%

- CI/CD and development integration

- 1. Plan mode vs direct execution
- 2. Pipeline automation and review

- Safety and compliance

- 1. Constitutional AI principles
- 2. Refusal handling and risk mitigation

Topic 5: Context Management & Responsible AI 15%

- Context window optimization

- 1. Token management and truncation strategies
- 2. Context retention and summarization

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Mock CCA-F Exams, CCA-F Exam Actual Questions

In the modern world, obtaining CCA-F certification is essential. With the growing popularity of Anthropic, the demand for professionals holding this Claude Certified Architect Foundations (CCA-F) (CCA-F) certification holders has increased significantly. Unfortunately, many candidates fail to pass the CCA-F Exam due to outdated Claude Certified Architect Foundations (CCA-F) (CCA-F) exam study material. Such failure can lead to the loss of time, money, and confidence.

Anthropic Claude Certified Architect Foundations (CCA-F) Sample Questions (Q16-Q21):

NEW QUESTION # 16

In Model Context Protocol architecture, what is the primary distinction between an MCP Tool and an MCP Resource?

- A. Resources execute functions that perform backend mutations, whereas Tools expose data catalogs.
- B. Resources expose static or templated data that clients can fetch to inject into prompts, whereas Tools are executable functions that perform actions.
- C. Resources are hosted locally via stdio, whereas Tools are hosted remotely via HTTP.
- D. Resources provide pre-built conversation templates, whereas Tools provide context history.

Answer: B

Explanation:

MCP Resources are used to expose data (like documents, schemas, or summaries) that clients can fetch directly. Tools are executable functions that allow the model to take actions or perform dynamic lookups during the agentic loop.

NEW QUESTION # 17

Why is configuring the exact same Claude session to review its newly generated pull request code considered an architectural anti-pattern?

- A. The reviewer retains the reasoning context and assumptions from the generation phase, creating confirmation bias.
- B. The Message Batches API does not support multi-turn tool calling within a single request.
- C. Tools invoked during the first pass are permanently locked and cannot be reused in the review pass.
- D. It exceeds the maximum token limit for the context window during the generation phase.

Answer: A

Explanation:

Same-session self-review is an anti-pattern because the model retains the context and reasoning from the generation phase, leading to a blind spot or confirmation bias. Independent review instances with fresh contexts are much more effective at objectively evaluating code.

NEW QUESTION # 18

To ensure that a model consistently classifies the severity of identified code issues, what is the best prompt engineering technique?

- A. Allow the model to dynamically generate severity labels based on context.
- B. Instruct the model to self-report a confidence score from 1-10 for each finding.
- C. Define explicit severity criteria with concrete code examples for each severity level.
- D. Lower the max_tokens limit so the model focuses only on critical bugs.

Answer: C

Explanation:

Providing explicit severity criteria paired with concrete code examples for each level bounds the model's behavior, leading to consistent severity classification and preventing subjective miscategorization.

NEW QUESTION # 19

To allow a coordinator agent to spawn specialized subagents in a multi-agent orchestration setup, which specific configuration must be applied to the coordinator?

- A. Configure a PreToolUse hook to automatically manage the spawning process.
- B. Set the tool_choice parameter to auto for the coordinator agent.
- C. The subagent must be initialized with an inherit_context: true flag.
- D. The coordinator's allowedTools array must explicitly include the Task tool.

Answer: D

Explanation:

The Task tool is the designated mechanism for spawning subagents. Critical configuration dictates that the coordinator's allowedTools must explicitly include 'Task' to enable subagent creation.

NEW QUESTION # 20

A team wants to reduce hallucinations without significantly changing application logic. Which improvement should be implemented FIRST?

- A. Remove role instructions.
- B. Add reliable retrieval sources.
- C. Shorten all outputs.
- D. Raise temperature.

Answer: B

Explanation:

Grounding Claude with trusted retrieved information is one of the most effective methods for reducing hallucinations. It provides current, authoritative context while requiring relatively small architectural changes compared with retraining or redesigning the application.

NEW QUESTION # 21

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