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## Check Point 156-587

Check Point Certified Troubleshooting Expert - R81.20  
(CCTE)

**Questions & Answers PDF**  
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### CheckPoint 156-587 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Advanced Identity Awareness Troubleshooting: This section of the exam measures the skills of Check Point Security Consultants and focuses on troubleshooting identity awareness systems.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>Advanced Troubleshooting with Logs and Events: This section of the exam measures the skills of Check Point Security Administrators and covers the analysis of logs and events for troubleshooting. Candidates will learn how to interpret log data to identify issues and security threats effectively.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>Advanced Gateway Troubleshooting: This section of the exam measures the skills of Check Point Network Security Engineers and addresses troubleshooting techniques specific to gateways. It includes methods for diagnosing connectivity issues and optimizing gateway performance.</li></ul>
Topic 4	<ul style="list-style-type: none"><li>Introduction to Advanced Troubleshooting: This section of the exam measures the skills of Check Point Network Security Engineers and covers the foundational concepts of advanced troubleshooting techniques. It introduces candidates to various methodologies and approaches used to identify and resolve complex issues in network environments.</li></ul>

Topic 5	<ul style="list-style-type: none"> <li>Advanced Client-to-Site VPN Troubleshooting: This section of the exam measures the skills of CheckPoint System Administrators and focuses on troubleshooting client-to-site VPN issues.</li> </ul>
Topic 6	<ul style="list-style-type: none"> <li>Advanced Firewall Kernel Debugging: This section of the exam measures the skills of Check Point Network Security Administrators and focuses on kernel-level debugging for firewalls. Candidates will learn how to analyze kernel logs and troubleshoot firewall-related issues at a deeper level.</li> </ul>

## >> 156-587 Exam Materials <<

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### CheckPoint Check Point Certified Troubleshooting Expert - R81.20 Sample Questions (Q28-Q33):

#### NEW QUESTION # 28

In the Security Management Architecture, what port and process does SmartConsole use to communicate with the Security Management Server?

- **A. CPM and 18190**
- B. CPM, 19009, and 18191
- C. FWM and 19009
- D. CPM and 19009

**Answer: A**

Explanation:

In Check Point's Security Management Architecture, SmartConsole is the graphical user interface used to manage the Security Management Server. The communication between SmartConsole and the Security Management Server relies on specific processes and ports, which are critical for troubleshooting connectivity issues.

The CPM (Check Point Management) process is the primary process on the Security Management Server responsible for handling management operations, including interactions with SmartConsole. The default port for this communication is 18190 (TCP), used for the SIC (Secure Internal Communication) and management GUI connections.

Option A: Correct. SmartConsole communicates with the Security Management Server using the CPM process over port 18190. This port is used for GUI client connections to the management server.

Option B: Incorrect. The FWM (Firewall Management) process is an older process used in earlier Check Point versions (pre-R80) for management tasks. In R81.20, CPM has largely replaced FWM for SmartConsole communications. Additionally, port 19009 is used for other purposes, such as the Check Point REST API, not SmartConsole.

Option C: Incorrect. While CPM is the correct process, port 19009 is not used for SmartConsole communication. Port 19009 is associated with the Check Point Management API (e.g., for `mgmt_cli` or REST API calls).

Option D: Incorrect. While CPM is involved, SmartConsole does not use both ports 19009 and 18191. Port 18191 is typically used for log server communications (e.g., SmartConsole to Log Server), not direct management server communication.

Reference:

The Check Point R81.20 Security Management Administration Guide explicitly details the ports used in the management architecture. According to the guide:

Port 18190/TCP is used for SmartConsole to Security Management Server communication via the CPM process.

The CCTE R81.20 course (as referenced in and) covers advanced management server troubleshooting, including understanding the CPM process and its associated ports.<https://www.koenig-solutions.com/ccte-r81-20-language-course>

<https://www.rededucation.com/events/1056-check-point-troubleshooting-expert-ccte-r81-20-spanish-language/region-US/> For exact extracts, refer to:

Check Point R81.20 Security Management Administration Guide, section on "Communication Ports" (available via Check Point Support Center).

CCTE R81.20 Courseware, which includes modules on management server diagnostics and communication protocols (available through authorized training partners).

### NEW QUESTION # 29

What version of Check Point can Security Gateways begin dynamically distributing Logs between log servers?

- A. R77
- B. R30
- **C. R81**
- D. R75

**Answer: C**

Explanation:

Dynamic log distribution is a feature that allows the Security Gateway to distribute logs between the active Log Servers, instead of sending a copy of every log to each Log Server. This feature was introduced in Check Point R81.10 version, and it requires both the Management and the Gateways to be at least on version R81.10 for this to be supported<sup>12</sup>. With dynamic log distribution, the Gateway can optimize the disk space usage and network bandwidth consumption of the Log Servers, and also improve the performance and reliability of the logging system<sup>3</sup>. Reference: Dynamic logs distribution - Check Point CheckMates<sup>1</sup>, (CCTE) - Check Point Software<sup>2</sup>, SmartLog and SmartEvent R81.10 Administration Guide<sup>3</sup>

1: <https://community.checkpoint.com/t5/Management/Dynamic-logs-distribution/td-p/142732> 2:

<https://www.checkpoint.com/downloads/training/DOC-Training-Data-Sheet-CCTE-R81.10-V1.0.pdf> 3:

[https://sc1.checkpoint.com/documents/R81.10/WebAdminGuides/EN/CP\\_R81.10\\_LoggingAndMonitoring\\_AdminGuide/html\\_frameset.htm](https://sc1.checkpoint.com/documents/R81.10/WebAdminGuides/EN/CP_R81.10_LoggingAndMonitoring_AdminGuide/html_frameset.htm)

### NEW QUESTION # 30

You do not see logs in the SMS. When you login on the SMS shell and run `cpwd_admin list` you notice that the RFL process is with status T. What command can you run to try to resolve it?

- A. `evstart` and `evstop`
- **B. `smartlog_server stop` and `smartlog_server restart`**
- C. `RFLstop` and `RFLstart`
- D. `rflstop` and `rflstart`

**Answer: B**

Explanation:

= The RFL process is the Remote File Log process that is responsible for transferring logs from the Security Gateway to the Security Management Server<sup>1</sup>. If the RFL process is with status T, it means that it is terminated and not running<sup>2</sup>. This could explain why the logs are not seen in the SMS. To resolve this issue, one possible command to run is `smartlog_server stop` and `smartlog_server restart`<sup>3</sup>. This command will stop and restart the SmartLog server, which is the process that indexes and displays the logs in the SmartConsole. By restarting the SmartLog server, it may also restart the RFL process and resume the log transfer.

Alternatively, one can also try to restart the RFL process directly by running `cpwd_admin stop -name RFL` and `cpwd_admin start -name RFL`. References: Check Point Processes and Daemons, sk97638 - Check Point Processes and Daemons, sk144192 - How to restart SmartLog server, [sk98348 - SmartLog / SmartView server functionality], [sk97638 - Check Point Processes and Daemons]

### NEW QUESTION # 31

What command is used to find out which port Multi-Portal has assigned to the Mobile Access Portal?

- A. `netstat getdata sslvpn`
- **B. `mpclient getdata sslvpn`**
- C. `mpclient getdata mobi`
- D. `netstat -nap | grep mobile`

**Answer: B**

### NEW QUESTION # 32

Which of these packet processing components stores Rule Base matching state-related information?

- A. Manager
- **B. Handlers**
- C. Classifiers
- D. Observers

**Answer: B**

### NEW QUESTION # 33

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