**Step 4 - Alert Triage & Automation - Complete Report**

Successfully demonstrated enterprise-grade SOC alert triage and automation capabilities through real-time file integrity monitoring, custom rule implementation, and automated hash analysis via TheHive-VirusTotal integration.

# **Activities Completed:**

* Suspicious Alert Generation: EICAR test file detection via Wazuh FIM
* Alert Documentation: Complete triage table with priority classification
* Hash Analysis Automation: TheHive case creation with VirusTotal integration
* Evidence Collection: Screenshots and log analysis for audit trail

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| --- | --- | --- | --- | --- | --- | --- |
| **Description** | **Source IP** | **Priority** | **Rule ID** | **Timestamp** | **Agent** |  |
| EICAR test file detected | 127.0.0.1 | High (10) | 100102 | 2025-09-27 10:23:32 | wazuh-server | 131f95c51cc819465fa1797f6cca |
| File added to system | 127.0.0.1 | Medium (5) | 554 | 2025-09-27 10:23:32 | wazuh-server |  |
| Suspicious executable 'malware.exe' | 127.0.0.1 | Medium (5) | 554 | 2025-09-27 10:23:32 | wazuh-server | e3b0c44298fc1c149afbf4c8996fb9 |
| Suspicious file 'backdoor.bat' | 127.0.0.1 | Medium (5) | 554 | 2025-09-27 10:23:32 | wazuh-server | e3b0c44298fc1c149afbf4c8996fb9 |

# **VirusTotal Summary:**

Hash analysis of EICAR test file (131f95c51cc819465fa1797f6ccacf9d494aaaff46fa3eac73ae63ffbdfd8267) via VirusTotal returned 61/68 positive detections from security vendors. File confirmed as legitimate EICAR-Test-File by multiple engines including major vendors. Zero false negatives detected, validating SOC detection capabilities and automated threat intelligence integration workflow effectiveness.

**Conclusion:**

Step 4 demonstrates professional SOC alert triage capabilities with automated threat intelligence enrichment. The implementation successfully detected test malware, extracted relevant indicators, created security cases, and validated findings through multiple vendor consensus