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Combat Capabilities Development Command (CCDC) Data & Analysis Center (DAC) Cooperative Vulnerability Penetration Assessment Report

by Tim Honks, Wim Bonks, Julio Hernandez, Jebel Macias

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**November 2020**



Combat Capabilities Development Command (CCDC) Data & Analysis Center (DAC) Cooperative Vulnerability Penetration Assessment Report

by Tim Honks, Wim Bonks, Julio Hernandez, Jebel Macias

CCDC Data & Analysis Center

Author(s)

Affiliation

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The authors are

Tim Honks, Wim Bonks, Julio Hernandez, Jebel Macias

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###### Executive Summary

# (U) Introduction

## (U) System/Network Architecture

The figure below provides an overview of the system/network architecture.

Describe the system architecture based on a high level diagram provided below.

<Insert a high level diagram of the system architecture>

## (U) Test Setup and Network Postures

## (U) Limitations

# Cooperative Vulnerability Penetration Assessment Findings

(U) Table 1 lists vulnerabilities identified and validated by CCDC DAC during the Cooperative Vulnerability Penetration Assessment with their associated technical risk.

**Table 1. (S) List of Findings**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **DESCRIPTION** | **LIKELIHOOD** | **IMPACT** | **RISK** |
| **5fad1a13004800009b000a3e** | **This is a test description** | **VH** | **VH** | **M** |
| **5fad1a13004800009b000a3f** | **This is a test description** | **VH** | **VH** | **M** |
| **5fad1a13004800009b000a40** | **This is a test description** | **VH** | **M** | **L** |
| **5fad1a13004800009b000a41** | **This is a test description** | **VH** | **M** | **L** |
| **5fad1a13004800009b000a42** | **This is a test description** | **VH** | **M** | **L** |
| **5fad1a13004800009b000a43** | **This is a test description** | **VH** | **M** | **L** |
| **5fad1a13004800009b000a44** | **This is a test description** | **VH** | **M** | **L** |
| **5fad1a13004800009b000a45** | **This is a test description** | **VH** | **M** | **L** |
| **5fad1a13004800009b000a46** | **This is a test description** | **VH** | **M** | **L** |
| **5fad1a13004800009b000a47** | **This is a test description** | **VH** | **M** | **L** |

## (U) Finding 1

Table 1 describes the Finding 1 vulnerability.

**Table 1. Finding 1**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **5fad1a13004800009b000a3e** |  | **IMPACT SCORE** | 4 | **STATUS** | **Open** | **POSTURE** | | |
| **HOST NAMES** | | **IP:PORT** | **CAT** | I | **LIKELIHOOD** | **VH** | Nearsider | | |
| Host1 | | 127.19.12.2:80 | **CAT SCORE** | 4 | **IMPACT** | **VH** |
| **VS-SCORE** | 40.0 | **RISK** | **M** | **C** | **I** | **A** |
| **VS** | **M** | **CM** | VH | Y | Y | Y |
| **IMPACT RATIONALE** | This is a test impact description | | | | | |
| **TYPE** | | Creds | | | | | | | |
|  | Finding 1 | | | | | | | | |
| **DESCRIPTION** | This is a test description | | | | | | | | |
|  | Test | | | | | | | | |
| **MITIGATION** | This is a test long description | | | | | | | | |
| **REFERENCES** | | Figure 1 | | | | | | | |
| C-CONFIDENTIALITY I-INTEGRITY A-AVAILABILITY CM-COUNTERMEASURE | | | | | | | | | |

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Figure 1

## (U) Finding 2

Table 2 describes the Finding 2 vulnerability.

**Table 2. Finding 2**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **5fad1a13004800009b000a3f** |  | **IMPACT SCORE** | 4 | **STATUS** | **Closed** | **POSTURE** | | |
| **HOST NAMES** | | **IP:PORT** | **CAT** | II | **LIKELIHOOD** | **VH** | Outsider | | |
| Host2 | | 127.19.12.2:80 | **CAT SCORE** | 7 | **IMPACT** | **VH** |
| **VS-SCORE** | 40.0 | **RISK** | **M** | **C** | **I** | **A** |
| **VS** | **M** | **CM** | L | Y | Y | Y |
| **IMPACT RATIONALE** | This is a test impact description | | | | | |
| **TYPE** | | Creds | | | | | | | |
|  | Finding 2 | | | | | | | | |
| **DESCRIPTION** | This is a test description | | | | | | | | |
|  | Test | | | | | | | | |
| **MITIGATION** | This is a test long description | | | | | | | | |
| **REFERENCES** | | Figure 1 | | | | | | | |
| C-CONFIDENTIALITY I-INTEGRITY A-AVAILABILITY CM-COUNTERMEASURE | | | | | | | | | |

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Figure 1

## (U) Finding 3

Table 3 describes the Finding 3 vulnerability.

**Table 3. Finding 3**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **5fad1a13004800009b000a40** |  | **IMPACT SCORE** | 4 | **STATUS** | **Open** | **POSTURE** | | |
| **HOST NAMES** | | **IP:PORT** | **CAT** | I | **LIKELIHOOD** | **VH** | Nearsider | | |
| Host3 | | 127.19.12.2:80 | **CAT SCORE** | 4 | **IMPACT** | **M** |
| **VS-SCORE** | 40.0 | **RISK** | **L** | **C** | **I** | **A** |
| **VS** | **M** | **CM** | VL | Y | Y | Y |
| **IMPACT RATIONALE** | This is a test impact description | | | | | |
| **TYPE** | | Creds | | | | | | | |
|  | Finding 3 | | | | | | | | |
| **DESCRIPTION** | This is a test description | | | | | | | | |
|  | Test | | | | | | | | |
| **MITIGATION** | This is a test long description | | | | | | | | |
| **REFERENCES** | | Figure 1 | | | | | | | |
| C-CONFIDENTIALITY I-INTEGRITY A-AVAILABILITY CM-COUNTERMEASURE | | | | | | | | | |

Information

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Information

Figure 1

## (U) Finding 4

Table 4 describes the Finding 4 vulnerability.

**Table 4. Finding 4**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **5fad1a13004800009b000a41** |  | **IMPACT SCORE** | 4 | **STATUS** | **Open** | **POSTURE** | | |
| **HOST NAMES** | | **IP:PORT** | **CAT** | I | **LIKELIHOOD** | **VH** | Nearsider | | |
| Host4 | | 127.19.12.2:80 | **CAT SCORE** | 4 | **IMPACT** | **M** |
| **VS-SCORE** | 40.0 | **RISK** | **L** | **C** | **I** | **A** |
| **VS** | **M** | **CM** | VL | Y | Y | Y |
| **IMPACT RATIONALE** | This is a test impact description | | | | | |
| **TYPE** | | Creds | | | | | | | |
|  | Finding 4 | | | | | | | | |
| **DESCRIPTION** | This is a test description | | | | | | | | |
|  | Test | | | | | | | | |
| **MITIGATION** | This is a test long description | | | | | | | | |
| **REFERENCES** | | Figure 1 | | | | | | | |
| C-CONFIDENTIALITY I-INTEGRITY A-AVAILABILITY CM-COUNTERMEASURE | | | | | | | | | |

Information

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Information

Figure 1

## (U) Finding 5

Table 5 describes the Finding 5 vulnerability.

**Table 5. Finding 5**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **5fad1a13004800009b000a42** |  | **IMPACT SCORE** | 4 | **STATUS** | **Open** | **POSTURE** | | |
| **HOST NAMES** | | **IP:PORT** | **CAT** | I | **LIKELIHOOD** | **VH** | Nearsider | | |
| Host4 | | 127.19.12.2:80 | **CAT SCORE** | 4 | **IMPACT** | **M** |
| **VS-SCORE** | 40.0 | **RISK** | **L** | **C** | **I** | **A** |
| **VS** | **M** | **CM** | VL | Y | Y | Y |
| **IMPACT RATIONALE** | This is a test impact description | | | | | |
| **TYPE** | | Creds | | | | | | | |
|  | Finding 5 | | | | | | | | |
| **DESCRIPTION** | This is a test description | | | | | | | | |
|  | Test | | | | | | | | |
| **MITIGATION** | This is a test long description | | | | | | | | |
| **REFERENCES** | | Figure 1 | | | | | | | |
| C-CONFIDENTIALITY I-INTEGRITY A-AVAILABILITY CM-COUNTERMEASURE | | | | | | | | | |

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Figure 1

## (U) Finding 6

Table 6 describes the Finding 6 vulnerability.

**Table 6. Finding 6**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **5fad1a13004800009b000a43** |  | **IMPACT SCORE** | 4 | **STATUS** | **Open** | **POSTURE** | | |
| **HOST NAMES** | | **IP:PORT** | **CAT** | I | **LIKELIHOOD** | **VH** | Nearsider | | |
| Host4 | | 127.19.12.2:80 | **CAT SCORE** | 4 | **IMPACT** | **M** |
| **VS-SCORE** | 40.0 | **RISK** | **L** | **C** | **I** | **A** |
| **VS** | **M** | **CM** | VL | Y | Y | Y |
| **IMPACT RATIONALE** | This is a test impact description | | | | | |
| **TYPE** | | Creds | | | | | | | |
|  | Finding 6 | | | | | | | | |
| **DESCRIPTION** | This is a test description | | | | | | | | |
|  | Test | | | | | | | | |
| **MITIGATION** | This is a test long description | | | | | | | | |
| **REFERENCES** | | Figure 1 | | | | | | | |
| C-CONFIDENTIALITY I-INTEGRITY A-AVAILABILITY CM-COUNTERMEASURE | | | | | | | | | |

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Figure 1

## (U) Finding 7

Table 7 describes the Finding 7 vulnerability.

**Table 7. Finding 7**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **5fad1a13004800009b000a44** |  | **IMPACT SCORE** | 4 | **STATUS** | **Open** | **POSTURE** | | |
| **HOST NAMES** | | **IP:PORT** | **CAT** | I | **LIKELIHOOD** | **VH** | Nearsider | | |
| Host4 | | 127.19.12.2:80 | **CAT SCORE** | 4 | **IMPACT** | **M** |
| **VS-SCORE** | 40.0 | **RISK** | **L** | **C** | **I** | **A** |
| **VS** | **M** | **CM** | VL | Y | Y | Y |
| **IMPACT RATIONALE** | This is a test impact description | | | | | |
| **TYPE** | | Creds | | | | | | | |
|  | Finding 7 | | | | | | | | |
| **DESCRIPTION** | This is a test description | | | | | | | | |
|  | Test | | | | | | | | |
| **MITIGATION** | This is a test long description | | | | | | | | |
| **REFERENCES** | | Figure 1 | | | | | | | |
| C-CONFIDENTIALITY I-INTEGRITY A-AVAILABILITY CM-COUNTERMEASURE | | | | | | | | | |

Information

Information

Information

Figure 1

## (U) Finding 8

Table 8 describes the Finding 8 vulnerability.

**Table 8. Finding 8**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **5fad1a13004800009b000a45** |  | **IMPACT SCORE** | 4 | **STATUS** | **Open** | **POSTURE** | | |
| **HOST NAMES** | | **IP:PORT** | **CAT** | I | **LIKELIHOOD** | **VH** | Nearsider | | |
| Host4 | | 127.19.12.2:80 | **CAT SCORE** | 4 | **IMPACT** | **M** |
| **VS-SCORE** | 40.0 | **RISK** | **L** | **C** | **I** | **A** |
| **VS** | **M** | **CM** | VL | Y | Y | Y |
| **IMPACT RATIONALE** | This is a test impact description | | | | | |
| **TYPE** | | Creds | | | | | | | |
|  | Finding 8 | | | | | | | | |
| **DESCRIPTION** | This is a test description | | | | | | | | |
|  | Test | | | | | | | | |
| **MITIGATION** | This is a test long description | | | | | | | | |
| **REFERENCES** | | Figure 1 | | | | | | | |
| C-CONFIDENTIALITY I-INTEGRITY A-AVAILABILITY CM-COUNTERMEASURE | | | | | | | | | |

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Figure 1

## (U) Finding 9

Table 9 describes the Finding 9 vulnerability.

**Table 9. Finding 9**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **5fad1a13004800009b000a46** |  | **IMPACT SCORE** | 4 | **STATUS** | **Open** | **POSTURE** | | |
| **HOST NAMES** | | **IP:PORT** | **CAT** | I | **LIKELIHOOD** | **VH** | Nearsider | | |
| Host4 | | 127.19.12.2:80 | **CAT SCORE** | 4 | **IMPACT** | **M** |
| **VS-SCORE** | 40.0 | **RISK** | **L** | **C** | **I** | **A** |
| **VS** | **M** | **CM** | VL | Y | Y | Y |
| **IMPACT RATIONALE** | This is a test impact description | | | | | |
| **TYPE** | | Creds | | | | | | | |
|  | Finding 9 | | | | | | | | |
| **DESCRIPTION** | This is a test description | | | | | | | | |
|  | Test | | | | | | | | |
| **MITIGATION** | This is a test long description | | | | | | | | |
| **REFERENCES** | | Figure 1 | | | | | | | |
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Figure 1

## (U) Finding 10

Table 10 describes the Finding 10 vulnerability.

**Table 10. Finding 10**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **5fad1a13004800009b000a47** |  | **IMPACT SCORE** | 4 | **STATUS** | **Open** | **POSTURE** | | |
| **HOST NAMES** | | **IP:PORT** | **CAT** | I | **LIKELIHOOD** | **VH** | Nearsider | | |
| Host4 | | 127.19.12.2:80 | **CAT SCORE** | 4 | **IMPACT** | **M** |
| **VS-SCORE** | 40.0 | **RISK** | **L** | **C** | **I** | **A** |
| **VS** | **M** | **CM** | VL | Y | Y | Y |
| **IMPACT RATIONALE** | This is a test impact description | | | | | |
| **TYPE** | | Creds | | | | | | | |
|  | Finding 10 | | | | | | | | |
| **DESCRIPTION** | This is a test description | | | | | | | | |
|  | Test | | | | | | | | |
| **MITIGATION** | This is a test long description | | | | | | | | |
| **REFERENCES** | | Figure 1 | | | | | | | |
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Figure 1

# Conclusions and Recommendations

Insert conclusions write up here

1. – List of Acronym

|  |  |
| --- | --- |
|  |  |
| CCDC | Combat Capabilities Development Command |
|  |  |
| DAC | Data & Analysis Center |
|  |  |
|  |  |

1. – Distribution List

Organization