

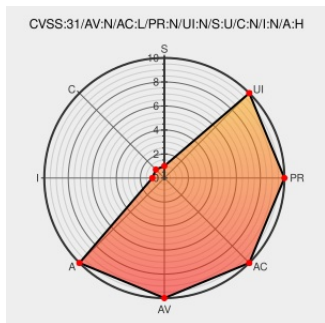


# CVE-2020-5878

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## CVE-2020-5878

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

Certain versions of [Big-ip Access Policy Manager](#) from [F5](#) contain the following vulnerability:

On versions 15.1.0-15.1.0.1, 15.0.0-15.0.1.1, and 14.1.0-14.1.2.3, Traffic Management Microkernel (TMM) may restart on BIG-IP Virtual Edition (VE) while processing unusual IP traffic.

CVE-2020-5878 has been assigned by [f5sirt@f5.com](#) to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>LOW</b>             | <b>NONE</b>         | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>NONE</b>            | <b>NONE</b>         | <b>HIGH</b>         |

CVSS2 Score: **5 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>NONE</b>            | <b>NONE</b>       | <b>PARTIAL</b>      |

## CVE References

| Description                    | Tags                                                                                           | Link                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| <b>No Description Provided</b> | <a href="#">Vendor Advisory</a><br><a href="#">support.f5.com</a><br><a href="#">text/html</a> | <a href="#">MISC support.f5.com/csp/article/K35750231</a> |

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

| Type        | Vendor | Product                                 | Version | Update | Edition | Language |
|-------------|--------|-----------------------------------------|---------|--------|---------|----------|
| Application | F5     | Big-ip Access Policy Manager            | All     | All    | All     | All      |
| Application | F5     | Big-ip Access Policy Manager            | All     | All    | All     | All      |
| Application | F5     | Big-ip Access Policy Manager            | All     | All    | All     | All      |
| Application | F5     | Big-ip Advanced Firewall Manager        | All     | All    | All     | All      |
| Application | F5     | Big-ip Advanced Firewall Manager        | All     | All    | All     | All      |
| Application | F5     | Big-ip Advanced Firewall Manager        | All     | All    | All     | All      |
| Application | F5     | Big-ip Analytics                        | All     | All    | All     | All      |
| Application | F5     | Big-ip Analytics                        | All     | All    | All     | All      |
| Application | F5     | Big-ip Analytics                        | All     | All    | All     | All      |
| Application | F5     | Big-ip Application Acceleration Manager | All     | All    | All     | All      |
| Application | F5     | Big-ip Application Acceleration Manager | All     | All    | All     | All      |
| Application | F5     | Big-ip Application Acceleration Manager | All     | All    | All     | All      |
| Application | F5     | Big-ip Application Security Manager     | All     | All    | All     | All      |
| Application | F5     | Big-ip Application Security Manager     | All     | All    | All     | All      |
| Application | F5     | Big-ip Application Security Manager     | All     | All    | All     | All      |
| Application | F5     | Big-ip Domain Name System               | All     | All    | All     | All      |
| Application | F5     | Big-ip Domain Name System               | All     | All    | All     | All      |
| Application | F5     | Big-ip Domain Name System               | All     | All    | All     | All      |
| Application | F5     | Big-ip Fraud Protection Service         | All     | All    | All     | All      |
| Application | F5     | Big-ip Fraud Protection Service         | All     | All    | All     | All      |
| Application | F5     | Big-ip Fraud Protection Service         | All     | All    | All     | All      |
| Application | F5     | Big-ip Global Traffic Manager           | All     | All    | All     | All      |
| Application | F5     | Big-ip Global Traffic Manager           | All     | All    | All     | All      |
| Application | F5     | Big-ip Global Traffic Manager           | All     | All    | All     | All      |
| Application | F5     | Big-ip Link Controller                  | All     | All    | All     | All      |
| Application | F5     | Big-ip Link Controller                  | All     | All    | All     | All      |
| Application | F5     | Big-ip Link Controller                  | All     | All    | All     | All      |
| Application | F5     | Big-ip Local Traffic Manager            | All     | All    | All     | All      |
| Application | F5     | Big-ip Local Traffic Manager            | All     | All    | All     | All      |

|                                                                           |    |                                   |     |     |     |     |
|---------------------------------------------------------------------------|----|-----------------------------------|-----|-----|-----|-----|
| Application                                                               | F5 | Big-ip Local Traffic Manager      | All | All | All | All |
| Application                                                               | F5 | Big-ip Local Traffic Manager      | All | All | All | All |
| Application                                                               | F5 | Big-ip Policy Enforcement Manager | All | All | All | All |
| Application                                                               | F5 | Big-ip Policy Enforcement Manager | All | All | All | All |
| Application                                                               | F5 | Big-ip Policy Enforcement Manager | All | All | All | All |
| cpe:2.3:a:f5:big-ip_access_policy_manager:*.*.*.*.*.*.*.*.*.*:            |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_access_policy_manager:*.*.*.*.*.*.*.*.*.*:            |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_access_policy_manager:*.*.*.*.*.*.*.*.*.*:            |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_advanced_firewall_manager:*.*.*.*.*.*.*.*.*.*:        |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_advanced_firewall_manager:*.*.*.*.*.*.*.*.*.*:        |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_advanced_firewall_manager:*.*.*.*.*.*.*.*.*.*:        |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_analytics:*.*.*.*.*.*.*.*.*.*:                        |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_analytics:*.*.*.*.*.*.*.*.*.*:                        |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_analytics:*.*.*.*.*.*.*.*.*.*:                        |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_application_acceleration_manager:*.*.*.*.*.*.*.*.*.*: |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_application_acceleration_manager:*.*.*.*.*.*.*.*.*.*: |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_application_acceleration_manager:*.*.*.*.*.*.*.*.*.*: |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_application_security_manager:*.*.*.*.*.*.*.*.*.*:     |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_application_security_manager:*.*.*.*.*.*.*.*.*.*:     |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_application_security_manager:*.*.*.*.*.*.*.*.*.*:     |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_domain_name_system:*.*.*.*.*.*.*.*.*.*:               |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_domain_name_system:*.*.*.*.*.*.*.*.*.*:               |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_domain_name_system:*.*.*.*.*.*.*.*.*.*:               |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_fraud_protection_service:*.*.*.*.*.*.*.*.*.*:         |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_fraud_protection_service:*.*.*.*.*.*.*.*.*.*:         |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_fraud_protection_service:*.*.*.*.*.*.*.*.*.*:         |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_global_traffic_manager:*.*.*.*.*.*.*.*.*.*:           |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_global_traffic_manager:*.*.*.*.*.*.*.*.*.*:           |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip_global_traffic_manager:*.*.*.*.*.*.*.*.*.*:           |    |                                   |     |     |     |     |
| cpe:2.3:a:f5:big-ip link controller:*.*.*.*.*.*.*.*.*.*:                  |    |                                   |     |     |     |     |

|                                                       |
|-------------------------------------------------------|
| cpe:2.3:a:f5:big-ip_link_controller:*****:            |
| cpe:2.3:a:f5:big-ip_link_controller:*****:            |
| cpe:2.3:a:f5:big-ip_local_traffic_manager:*****:      |
| cpe:2.3:a:f5:big-ip_local_traffic_manager:*****:      |
| cpe:2.3:a:f5:big-ip_local_traffic_manager:*****:      |
| cpe:2.3:a:f5:big-ip_policy_enforcement_manager:*****: |
| cpe:2.3:a:f5:big-ip_policy_enforcement_manager:*****: |
| cpe:2.3:a:f5:big-ip_policy_enforcement_manager:*****: |

No vendor comments have been submitted for this CVE

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