



CVE-2019-6594

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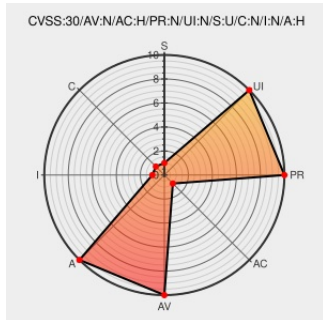
CVE-2019-6594

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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

On BIG-IP 11.5.1-11.6.3.2, 12.1.3.4-12.1.3.7, 13.0.0 HF1-13.1.1.1, and 14.0.0-14.0.0.2, Multi-Path TCP (MPTCP) does not protect against multiple zero length DATA_FINs in the reassembly queue, which can lead to an infinite loop in some circumstances.

CVE-2019-6594 has been assigned by [f5sirt@f5.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [F5 Networks, Inc.](#) - [BIG-IP](#) (LTM, AAM, AFM, Analytics, APM, ASM, DNS, Edge Gateway, FPS, GTM, Link Controller, PEM, WebAccelerator) version 11.5.1-11.6.3.2, 12.1.3.4-12.1.3.7, 13.0.0 HF1-13.1.1.1, 14.0.0-14.0.0.2

CVSS3 Score: **5.9 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	HIGH	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: **4.3 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
No Description Provided	Vendor Advisory support.f5.com	CONFIRM support.f5.com/csp/article/K91026261

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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	13.0.0	hf1	All	All
Application	F5	Big-ip Access Policy Manager	13.0.0	hf2	All	All
Application	F5	Big-ip Access Policy Manager	13.0.0	hf3	All	All
Application	F5	Big-ip Access Policy Manager	13.0.0	hf1	All	All
Application	F5	Big-ip Access Policy Manager	13.0.0	hf2	All	All
Application	F5	Big-ip Access Policy Manager	13.0.0	hf3	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 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	13.0.0	hf1	All	All
Application	F5	Big-ip Advanced Firewall Manager	13.0.0	hf2	All	All
Application	F5	Big-ip Advanced Firewall Manager	13.0.0	hf3	All	All
Application	F5	Big-ip Advanced Firewall Manager	13.0.0	hf1	All	All
Application	F5	Big-ip Advanced Firewall Manager	13.0.0	hf2	All	All
Application	F5	Big-ip Advanced Firewall Manager	13.0.0	hf3	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 Advanced Firewall Manager	All	All	All	All
Application	F5	Big-ip Analytics	13.0.0	hf1	All	All
Application	F5	Big-ip Analytics	13.0.0	hf2	All	All
Application	F5	Big-ip Analytics	13.0.0	hf3	All	All
Application	F5	Big-ip Analytics	13.0.0	hf1	All	All
Application	F5	Big-ip Analytics	13.0.0	hf2	All	All
Application	F5	Big-ip Analytics	13.0.0	hf3	All	All
Application	F5	Big-ip Analytics	All	All	All	All

Application	F5	Big-ip Analytics	...	...	...	...
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 Security Manager	13.0.0	hf1	All	All
Application	F5	Big-ip Application Security Manager	13.0.0	hf2	All	All
Application	F5	Big-ip Application Security Manager	13.0.0	hf3	All	All
Application	F5	Big-ip Application Security Manager	13.0.0	hf1	All	All
Application	F5	Big-ip Application Security Manager	13.0.0	hf2	All	All
Application	F5	Big-ip Application Security Manager	13.0.0	hf3	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 Application Security Manager	All	All	All	All
Application	F5	Big-ip Domain Name System	13.0.0	hf1	All	All
Application	F5	Big-ip Domain Name System	13.0.0	hf2	All	All
Application	F5	Big-ip Domain Name System	13.0.0	hf3	All	All
Application	F5	Big-ip Domain Name System	13.0.0	hf1	All	All
Application	F5	Big-ip Domain Name System	13.0.0	hf2	All	All
Application	F5	Big-ip Domain Name System	13.0.0	hf3	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 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 Edge Gateway	13.0.0	hf1	All	All
Application	F5	Big-ip Edge Gateway	13.0.0	hf2	All	All
Application	F5	Big-ip Edge Gateway	13.0.0	hf3	All	All
Application	F5	Big-ip Edge Gateway	13.0.0	hf1	All	All
Application	F5	Big-ip Edge Gateway	13.0.0	hf2	All	All
Application	F5	Big-ip Edge Gateway	13.0.0	hf3	All	All
Application	F5	Big-ip Edge Gateway	All	All	All	All
Application	F5	Big-ip Edge Gateway	All	All	All	All
Application	F5	Big-ip Edge Gateway	All	All	All	All
Application	F5	Big-ip Edge Gateway	All	All	All	All
Application	F5	Big-ip Fraud Protection Service	13.0.0	hf1	All	All
Application	F5	Big-ip Fraud Protection Service	13.0.0	hf2	All	All

Application	F5	Big-ip Fraud Protection Service	13.0.0	hf3	All	All
Application	F5	Big-ip Fraud Protection Service	13.0.0	hf1	All	All
Application	F5	Big-ip Fraud Protection Service	13.0.0	hf2	All	All
Application	F5	Big-ip Fraud Protection Service	13.0.0	hf3	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 Fraud Protection Service	All	All	All	All
Application	F5	Big-ip Global Traffic Manager	13.0.0	hf1	All	All
Application	F5	Big-ip Global Traffic Manager	13.0.0	hf2	All	All
Application	F5	Big-ip Global Traffic Manager	13.0.0	hf3	All	All
Application	F5	Big-ip Global Traffic Manager	13.0.0	hf1	All	All
Application	F5	Big-ip Global Traffic Manager	13.0.0	hf2	All	All
Application	F5	Big-ip Global Traffic Manager	13.0.0	hf3	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 Global Traffic Manager	All	All	All	All
Application	F5	Big-ip Global Traffic Manager	All	All	All	All
Application	F5	Big-ip Link Controller	13.0.0	hf1	All	All
Application	F5	Big-ip Link Controller	13.0.0	hf2	All	All
Application	F5	Big-ip Link Controller	13.0.0	hf3	All	All
Application	F5	Big-ip Link Controller	13.0.0	hf1	All	All
Application	F5	Big-ip Link Controller	13.0.0	hf2	All	All
Application	F5	Big-ip Link Controller	13.0.0	hf3	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 Link Controller	All	All	All	All
Application	F5	Big-ip Local Traffic Manager	13.0.0	hf1	All	All
Application	F5	Big-ip Local Traffic Manager	13.0.0	hf2	All	All
Application	F5	Big-ip Local Traffic Manager	13.0.0	hf3	All	All
Application	F5	Big-ip Local Traffic Manager	13.0.0	hf1	All	All
Application	F5	Big-ip Local Traffic Manager	13.0.0	hf2	All	All
Application	F5	Big-ip Local Traffic Manager	13.0.0	hf3	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	13.0.0	hf1	All	All
Application	F5	Big-ip Policy Enforcement Manager	13.0.0	hf2	All	All
Application	F5	Big-ip Policy Enforcement Manager	13.0.0	hf3	All	All
Application	F5	Big-ip Policy Enforcement Manager	13.0.0	hf1	All	All
Application	F5	Big-ip Policy Enforcement Manager	13.0.0	hf2	All	All
Application	F5	Big-ip Policy Enforcement Manager	13.0.0	hf3	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
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 Webaccelerator	13.0.0	hf1	All	All
Application	F5	Big-ip Webaccelerator	13.0.0	hf2	All	All
Application	F5	Big-ip Webaccelerator	13.0.0	hf3	All	All
Application	F5	Big-ip Webaccelerator	13.0.0	hf1	All	All
Application	F5	Big-ip Webaccelerator	13.0.0	hf2	All	All
Application	F5	Big-ip Webaccelerator	13.0.0	hf3	All	All
Application	F5	Big-ip Webaccelerator	All	All	All	All
Application	F5	Big-ip Webaccelerator	All	All	All	All
Application	F5	Big-ip Webaccelerator	All	All	All	All
Application	F5	Big-ip Webaccelerator	All	All	All	All
cpe:2.3:a:f5:big-ip_access_policy_manager:13.0.0:hf1:*****:						
cpe:2.3:a:f5:big-ip_access_policy_manager:13.0.0:hf2:*****:						
cpe:2.3:a:f5:big-ip_access_policy_manager:13.0.0:hf3:*****:						
cpe:2.3:a:f5:big-ip_access_policy_manager:13.0.0:hf1:*****:						
cpe:2.3:a:f5:big-ip_access_policy_manager:13.0.0:hf2:*****:						
cpe:2.3:a:f5:big-ip_access_policy_manager:13.0.0:hf3:*****:						
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_access_policy_manager:*****:						

```
cpe:2.3:a:f5:big-ip_advanced_firewall_manager:13.0.0:hf1:*:*:*:*:
```

```
cpe:2.3:a:f5:big-ip_advanced_firewall_manager:13.0.0:hf2:*:*:*:*.*
```

```
cpe:2.3:a:f5:big-ip_advanced_firewall_manager:13.0.0:hf3:*:*:*:*:
```

```
cpe:2.3:a:f5:big-ip_advanced_firewall_manager:13.0.0:hf1:*:*:*:*:
```

```
cpe:2.3:a:f5:big-ip_advanced_firewall_manager:13.0.0:hf2:*:*:*:*:
```

```
cpe:2.3:a:f5:big-ip_advanced_firewall_manager:13.0.0:hf3:*.~*~*~*~*~*
```

```
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_advanced_firewall_manager:*.:.:.:.:.:.:
```

```
cpe:2.3:a:f5:big-ip_analytics:13.0.0:hf1:*:*:*:*:*:
```

```
cpe:2.3:a:f5:big-ip_analytics:13.0.0:hf2:*:*:*:*:*:
```

```
cpe:2.3:a:f5:big-ip_analytics:13.0.0:hf3:*:*:*:*:*:
```

```
cpe:2.3:a:f5:big-ip_analytics:13.0.0:hf1:.*:.*:.*:.*:.*:.*
```

```
cpe:2.3:a:f5:big-ip_analytics:13.0.0:hf2:*:*:*:*:*:
```

```
cpe:2.3:a:f5:big-ip_analytics:13.0.0:hf3:*:*:*:*:*:
```

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_analytics:*:*:*:*:*:*:

```
cpe:2.3:a:f5:big-ip_application_security_manager:13.0.0:hf1:*:*:*.*.*
```

```
cpe:2.3:a:f5:big-ip application security manager:13.0.0:hf2:****.*.*.*.*
```

```
cpe:2.3:a:f5:big-ip_application_security_manager:13.0.0:hf3:****.*.*.*.*
```

```
cpe:2.3:a:f5:big-ip_application_security_manager:13.0.0:hf1:::*:*:*:
```

```
cpe:2.3:a:f5:big-ip_application_security_manager:13.0.0:hf2:*:*:*:*:*
```

```
cpe:2.3:a:f5:big-ip_application_security_manager:13.0.0:hf3:*:*:*:*:*
```

```
cpe:2.3:a:f5:big-ip_application_security_manager:*:*:*:*:*:*
```

```
cpe:2.3:a:f5:big-ip_application_security_manager:*:*:*:*:*:*
```

```
one:2.3.2:f5:big-in application security manager.*.*.*.*.*.*.*.
```

[illegible]

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:13.0.0:hf1:*****:
cpe:2.3:a:f5:big-ip_global_traffic_manager:13.0.0:hf2:*****:
cpe:2.3:a:f5:big-ip_global_traffic_manager:13.0.0:hf3:*****:
cpe:2.3:a:f5:big-ip_global_traffic_manager:13.0.0:hf1:*****:
cpe:2.3:a:f5:big-ip_global_traffic_manager:13.0.0:hf2:*****:
cpe:2.3:a:f5:big-ip_global_traffic_manager:13.0.0:hf3:*****:
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_global_traffic_manager:*****:
cpe:2.3:a:f5:big-ip_link_controller:13.0.0:hf1:*****:
cpe:2.3:a:f5:big-ip_link_controller:13.0.0:hf2:*****:
cpe:2.3:a:f5:big-ip_link_controller:13.0.0:hf3:*****:
cpe:2.3:a:f5:big-ip_link_controller:13.0.0:hf1:*****:
cpe:2.3:a:f5:big-ip_link_controller:13.0.0:hf2:*****:
cpe:2.3:a:f5:big-ip_link_controller:13.0.0:hf3:*****:
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_link_controller:*****:
cpe:2.3:a:f5:big-ip_local_traffic_manager:13.0.0:hf1:*****:
cpe:2.3:a:f5:big-ip_local_traffic_manager:13.0.0:hf2:*****:
cpe:2.3:a:f5:big-ip_local_traffic_manager:13.0.0:hf3:*****:
cpe:2.3:a:f5:big-ip_local_traffic_manager:13.0.0:hf1:*****:
cpe:2.3:a:f5:big-ip_local_traffic_manager:13.0.0:hf2:*****:
cpe:2.3:a:f5:big-ip_local_traffic_manager:13.0.0:hf3:*****:

cpe:2.3:a:f5:big-ip_local_traffic_manager:13.0.0:hf3:*:*:*:*:*:
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_local_traffic_manager:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_policy_enforcement_manager:13.0.0:hf1:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_policy_enforcement_manager:13.0.0:hf2:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_policy_enforcement_manager:13.0.0:hf3:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_policy_enforcement_manager:13.0.0:hf1:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_policy_enforcement_manager:13.0.0:hf2:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_policy_enforcement_manager:13.0.0:hf3:*:*:*:*:*:
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:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_policy_enforcement_manager:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_webaccelerator:13.0.0:hf1:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_webaccelerator:13.0.0:hf2:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_webaccelerator:13.0.0:hf3:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_webaccelerator:13.0.0:hf1:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_webaccelerator:13.0.0:hf2:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_webaccelerator:13.0.0:hf3:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_webaccelerator:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_webaccelerator:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_webaccelerator:*:*:*:*:*:
cpe:2.3:a:f5:big-ip_webaccelerator:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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