



Firmware Release Note _ CVE

Project:

Multistak – BD 680

Previous Release:

NA

Release:

NA

Author:

BDT SW

Date:

4/14/2026



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

1 Release Status

1.1 Changes since Release

1.1.1 New Functionality

| DDT No. | Description: | Severity | Code Rev. |
|---------|---|----------|---|
| 9480 | Update 3rdParty due to CVEs and that no patch is necessary by default | Moderate | |
| 8763 | Update expat to version 2.5.0 or later | Moderate | |
| 8217 | Update lighttpd to at least 1.4.64 due to a lot of fixes | Moderate | |
| 8067 | Update Lighttpd to 1.4.60 and allow Session Tickets again, disable HTTP2 make HTTP 1.1 active for now | Moderate | |
| 7918 | Update openssl due to CVEs (CVE-2021-3449, CVE-2021-3450) | Moderate | |
| 7555 | Update bind9 dig binary to latest version 9.11.10 | Moderate | |
| 7551 | Update PHP to version 7.3.9 | Moderate | |
| 7550 | Update OpenSSL to 1.1.1d with security fixes for CVE-2019-1547, CVE-2019-1549 and CVE-2019-1563 | Moderate | Error! Reference source not found. |
| 7452 | update PHP to 7.3.7 | Moderate | |
| 7285 | Update internal PCRE library to 8.43 | Moderate | |
| 6584 | Update PHP version to 5.6.36 | Moderate | |
| 4601 | Update OpenSSL to latest stable version | Moderate | Error! Reference source not found. |
| 4600 | Update PHP to latest stable version | Moderate | |
| 4392 | Update PHP to version 5.6.19 | Moderate | |
| 4343 | Add iptables rules to prevent CVE-2015-7547 | Moderate | |
| 4314 | Add fix for CVE-2016-0728 to Linux kernel | Moderate | |
| 4046 | Disable hop limit check introduced with patch for CVE-2015-2922 | Moderate | |
| 3584 | Update bash to version 4.3.27 | Serious | |
| 3478 | Upgrade DropBear to something newer than 2013.59 | Moderate | |
| 2625 | Replace OCP display driver "udlfb" in staging directory with stable version | Moderate | |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

1.2.1 Customer change requests

| DDT No. | Customer DDT | Description: | Severity | Code Rev. |
|---------|----------------|--|----------|-----------|
| 8232 | Ticket# 742047 | Potential Security Vulnerability - 1 issue for openssl (CVE-2022-0778) | Moderate | |
| 5855 | CR 10725 | Update PHP to version 5.6.31 | Moderate | |
| 3524 | 5955 | Disable icmp timestamp packets | Moderate | |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

1.2.2 Resolved Issues

| DDT No. | Customer DDT | Description | Workaround | Root cause | Solution | Severity | Code Rev. |
|---------|--------------|--|------------|------------|---|----------|-----------|
| 9326 | | OpenSSL 3.0.1x upgrade once it is available | | | <p>1. FIX\IMPROVEMENT DESCRIPTION:</p> <p>OpenSSL 3.0.16 11 Feb 2025 (Library: OpenSSL 3.0.16 11 Feb 2025)</p> <p>2. VERIFICATION PROCEDURE:</p> <p>check openssl version in firmware image</p> | Moderate | |
| 8923 | | openssl update to 3.0.14 to solve known CVEs | | | <p>1. FIX\IMPROVEMENT DESCRIPTION:</p> <p>openssl libarry upgraded to 3.0.14</p> <p>2. VERIFICATION PROCEDURE:</p> <p>Please describe in steps what has to be done to verify the change.</p> | Moderate | |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

| DDT No. | Customer DDT | Description | Workaround | Root cause | Solution | Severity | Code Rev. |
|---------|--------------|--|------------|------------|---|----------|-----------|
| 8677 | | CVE-2022-4304 - Upgrade to Openssl 1.1.1t | | | | Moderate | |
| 8574 | | Update zlib due to CVE-2022-37434 | | | 1. FIX\IMPROVEMENT DESCRIPTION: zlib 1.2.13 added to root fs 2. VERIFICATION PROCEDURE: check system working as expected | Moderate | |
| 8451 | | Diffie-Hellman Ephemeral Key Exchange DoS Vulnerability (SSL/TLS, D(HE)ater) | | | 1. FIX\IMPROVEMENT DESCRIPTION: removed Diffie Hellman Ciphers: :DHE-RSA-AES128-GCM-SHA256 :DHE-RSA-AES256-GCM-SHA384 due to CVE-2002-20001 and dheater tool (100% cpu load) 2. VERIFICATION | Serious | |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

| DDT No. | Customer DDT | Description | Workaround | Root cause | Solution | Severity | Code Rev. |
|---------|----------------|---|------------|------------|---|----------|-----------|
| | | | | | PROCEDURE: use nmap --script ssl-enum-ciphers -p 443 <IP> to check ciphers and dheater to check system against CVE | | |
| 7990 | Ticket# 741688 | Potential Security Vulnerability for DHCP: CVE-2021-25217 | | | 1. FIX/IMPROVEMENT DESCRIPTION: DHCP updated to 4.1-ESV-R16-P1 to fix CVE-2021-25217 2. VERIFICATION PROCEDURE: - verify version usind dhcpd --help CLI command - verify version usind dhclient --help CLI command - check that expansion units are detected properly - verify that DUT gets an IP address from DHCP server | Moderate | |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

| DDT No. | Customer DDT | Description | Workaround | Root cause | Solution | Severity | Code Rev. |
|---------|--------------|---|------------|--|---|----------|---|
| 7874 | | Vulnerabilities in infozip unzip (CVE-2019-13232, CVE-2014-9913, CVE-2015-7696, CVE-2015-7697, CVE-2016-9844, CVE-2018-1000035) | | | | Moderate | |
| 7823 | | FW version Nx11 / Mx13 for HP work not proper on Multistak | | Further fixes for TCP CVEs in Linux kernel were needed to properly transmit all TCP packets. | <p>1. FIX\IMPROVEMENT DESCRIPTION:</p> <p>Improved kernel fixes for TCP CVEs according to latest mainline code</p> <p>2. VERIFICATION PROCEDURE:</p> <p>Browse RMI pages, should not result in browser hangs.</p> | Serious | |
| 7741 | | CVE-2020-1967 -- TLS 1.3 NULL Pointer | | openssl 1.1.1d with TLS 1.3 could lead to NULL pointer exception | openssl updated to 1.1.1g to fix CVE-2020-1967 | Moderate | Error! Reference source not found. |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

| DDT No. | Customer DDT | Description | Workaround | Root cause | Solution | Severity | Code Rev. |
|---------|--------------|--|------------|--|--|----------|---|
| 7615 | | Update PHP to PHP 7.3.11 due to CVE-2019-11043 (not directly affected) | | CVE reported for ngx PHP-FPM usage, we upgraded PHP to be sure we are not affected anymore | updated php7 binaries to 7.3.11 | Moderate | Error! Reference source not found. |
| 7601 | | ip6tables are empty | | ip6tables filtering was not enabled in kernel and not setup for ipv6 | ip6tables are now fileld based on ipv4 set | Moderate | |
| 7483 | | CVE-2013-5211 - NTP before 4.2.7p26 | | CVE-2013-5211 | we are not vulneralbe we do not use ntpd (deamon) we manually trigger sntp update every 61 seconds | Moderate | |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

| DDT No. | Customer DDT | Description | Workaround | Root cause | Solution | Severity | Code Rev. |
|---------|--------------|----------------|------------|------------|----------|----------|-----------|
| 7435 | | CVE-2019-11479 | | | | Moderate | |
| 7433 | | CVE-2019-11478 | | | | Moderate | |
| 7431 | | CVE-2019-11477 | | | | Serious | |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

| DDT No. | Customer DDT | Description | Workaround | Root cause | Solution | Severity | Code Rev. |
|---------|--------------|--|------------|------------|---|----------|-----------|
| 7222 | CR 11485 | CVE-2018-20679 - BusyBox Out of Bounds w/udhcp | | | 1. FIX\IMPROVEMENT DESCRIPTION: busybox updated to versino 1.30.1 2. VERIFICATION PROCEDURE: Please describe in steps what has to be done to verify the change. | Moderate | |
| 7221 | CR 11483 | CVE-2019-5489 - Page Cache Attacks to Linux Kernel | | | 1. FIX\IMPROVEMENT DESCRIPTION: patch for CVE-2019-5489 added to kernle files (minicore.c, mm.h) 2. VERIFICATION PROCEDURE: Please describe in steps what has to be done to verify the change. | Moderate | |
| 7051 | | OpenSSL (CVE-2018-0734) - Timing vulnerability in DSA signature generation | | | 1. FIX\IMPROVEMENT DESCRIPTION: openssl updated to version 1.0.2q 2. VERIFICATION PROCEDURE: Please describe in steps what has to be done to | Moderate | |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

| DDT No. | Customer DDT | Description | Workaround | Root cause | Solution | Severity | Code Rev. |
|---------|--------------|---|------------|------------|--|----------|-----------|
| | | | | | verify the change. | | |
| 6822 | | Potential Security Vulnerability - 1 issues for OpenSSL (CVE-2018-0732) | | | 1. FIX\IMPROVEMENT DESCRIPTION: updated openssl to version 1.0.2p 2. VERIFICATION PROCEDURE: Please describe in steps what has to be done to verify the change. | Moderate | |
| 6736 | | OpenVas: Webserver -Format string on URI on REST port 3031 | | | 1. FIX\IMPROVEMENT DESCRIPTION: seems to be fixed with slim 3.11, p 2. VERIFICATION PROCEDURE: Please describe in steps what has to be done to verify the change. | Moderate | |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

| DDT No. | Customer DDT | Description | Workaround | Root cause | Solution | Severity | Code Rev. |
|---------|--------------|---|------------|------------|--|----------|-----------|
| 6036 | | TR:13154>Network Security Scan - Nexpose>Nexpose UDP IP ID Zero | | | | Moderate | |
| 5764 | | TLS/SSL Server is enabling the BEAST attack / ssl-cve-2011-3389-beast | | | <p>1. FIX/IMPROVEMENT DESCRIPTION:</p> <p>TLS 1.0 and TLS 1.1 now disabled in Multistak.</p> <p>2. VERIFICATION PROCEDURE:</p> <p>Please describe in steps what has to be done to verify the change.</p> | Moderate | |
| 5468 | | CVE-2016-10229 - Linux Kernel with MSG_PEEK | | | <p>1. FIX/IMPROVEMENT DESCRIPTION:</p> <p>Applied mainline patch https://git.kernel.org/pub/scm/linux/kernel/git/stable/linux-stable.git/patch/?id=98f57e42cab062608cf3dce2b8eecbb2a0780ac4</p> <p>2. VERIFICATION PROCEDURE:</p> | Moderate | |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

| DDT No. | Customer DDT | Description | Workaround | Root cause | Solution | Severity | Code Rev. |
|---------|--------------|--|------------|------------|--|----------|-----------|
| | | | | | Code review | | |
| 5386 | | TLS/SSL Birthday attacks on 64-bit block ciphers (SWEET32) ssl-cve-2016-2183-sweet32 | | | 1. FIX\IMPROVEMENT DESCRIPTION: weak ciphers removed from lighttpd config files 2. VERIFICATION PROCEDURE: Please describe in steps what has to be done to verify the change. | Moderate | |
| 5385 | | Upgrade to version php 5.6.30 | | | 1. FIX\IMPROVEMENT DESCRIPTION: Upgraded to version 5.6.30 2. VERIFICATION PROCEDURE: php -v | Moderate | |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

| DDT No. | Customer DDT | Description | Workaround | Root cause | Solution | Severity | Code Rev. |
|---------|--------------|--|------------|------------|--|----------|-----------|
| 4981 | | Add fix for CVE-2016-5195 | | | 1. FIX\IMPROVEMENT DESCRIPTION: Updated kernel with fix from vanilla kernel. 2. VERIFICATION PROCEDURE: Code review, see attached files. | Moderate | |
| 4666 | | Update dropbear to version 2016.74 | | | 1. FIX\IMPROVEMENT DESCRIPTION: Updated dropbear binary to version 2016.74. 2. VERIFICATION PROCEDURE: "dropbear -V" shows the version info | Moderate | |
| 3972 | | CVE-2015-2922: IPv6 Hop limit lowering via RA messages | | | Fixed by applying upstream commit. | Moderate | |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

| DDT No. | Customer DDT | Description | Workaround | Root cause | Solution | Severity | Code Rev. |
|---------|--------------|------------------------------|------------|------------|---|----------|-----------|
| 3838 | 6473 | Move OpenSSL to 1.0.1l | | | Updated to version 1.0.2 (latest one as of fixing this DDT) | Moderate | |
| 3640 | | SSL 3.0 needs to be disabled | | | Removed SSLv2 and SSLv3 support from openssl library. | Moderate | |
| 3628 | | SSL 3.0 needs to be disabled | | | Removed SSLv2 and SSLv3 support from openssl library. | Moderate | |



Firmware Release Note _ CVE

| | | | | |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|
| Project: Multistak – BD 680 | Previous Release: NA | Release: NA | Author: BDT SW | Date: 4/14/2026 |
|---------------------------------------|--------------------------------|-----------------------|--------------------------|---------------------------|

1.2.3 Implemented Stories

| DDT No. | Customer DDT | Description: | Severity | Code Rev. |
|---------|--------------|--|----------|-----------|
| 7751 | | Linux kernel TCP CVEs 2019-11477, 2019-11478, 2019-11479 | Moderate | |