

# Customer Release Notes

## VSP Operating System

Software Release 7.1.3.0

June 2019

### INTRODUCTION:

This document provides specific information for version 7.1.3.0 of agent software for the VSP Operating System. The purpose of this version is to address customer and internally found software issues.

**Extreme Networks recommends that you thoroughly review this document prior to installing or upgrading this product.**

**For the latest firmware versions, visit the download site at:**  
[www.extremenetworks.com/support/](http://www.extremenetworks.com/support/)

### IMPORTANT NOTES BEFORE UPGRADING TO THIS RELEASE:

If upgrading systems from either release 4.2.1.0 or release 4.2.1.1 that have ISIS enabled links configured with HMAC-MD5 authentication, you need to perform the procedure described in section 4 below in order to avoid potential network connectivity loss.

If upgrading systems running 4.1.X releases which also have TACACS+ enabled, refer to section 4 for upgrade instructions.

If upgrading systems running 6.0.x releases or older, refer to section 4 for instruction about the requirement to step-through a 6.1.x release prior to going to 7.1.x release..

### PLATFORMS SUPPORTED:

Virtual Services Platform 4000 Series

- Virtual Services Platform VSP 4850GTS
- Virtual Services Platform VSP 4850GTS-PWR+
- Virtual Services Platform VSP 4450GSX-PWR+
- Virtual Services Platform VSP 4450GSX-DC
- Virtual Services Platform VSP 4450GTS-DC
- Virtual Services Platform VSP 4450GTX-HT-PWR+

Virtual Services Platform 7200 Series

- Virtual Services Platform VSP 7254XSQ
- Virtual Services Platform VSP 7254XTQ

Virtual Services Platform 8000 Series

Virtual Services Platform 8200

Virtual Services Platform 8400

### SPECIAL INSTRUCTIONS FOR UPGRADING FROM PREVIOUS RELEASES:

1. The following procedure should be followed when upgrading systems running one of the following two releases, 4.2.1.0 or 4.2.1.1 which also have ISIS enabled links with HMAC-MD5 authentication on:

Disable ISIS authentication throughout the network a system at a time, a link at a time by disabling it on either side of each link, ensuring the link is stable before moving to the next. When a system has been reconfigured free of ISIS HMAC-MD5 authentication in all of its links, save the configuration file and perform the upgrade to release 4.2.3.0 or greater. After all these systems have been upgraded to release 4.2.3.0 or greater, you may re-enable authentication a system at a time, a link at a time and save the configuration file in each of the involved systems.

Example:

```
VSP:1(config)#interface gigabitethernet x/y
VSP:1(config-if)#no isis hello-auth
VSP:1(config-if)#save config
VSP:1(config-if)# PERFORM THE UPGRADE
VSP:1(config)#interface gigabitethernet x/y
VSP:1(config-if)# isis hello-auth type hmac-md5 key <keyname> [key-id
<keyed>]
VSP:1(config-if)#save config
```

2. The following procedure should be followed when upgrading systems running 4.1.X releases which also have TACACS+ enabled on:

When you upgrade from VOSS 4.1.X to VOSS 4.2 or a higher release, the TACACS+ host configurations will be lost. After the upgrade, the TACACS+ host configurations will not take effect so you must reconfigure them. After you make the configurations, you must save the changes on the device. You should also save the configuration to a file to retain the configuration settings.

3. Upgrading DVR configurations from releases 6.0.1.1 and earlier to 6.0.1.2 and beyond.
  - a. All DVR nodes must be upgraded to the same release.
  - b. All DVR leaves should be upgraded first.
4. Upgrading from releases 6.0.x and earlier
  - a. Direct upgrade from 6.0.x or earlier releases to 7.x releases is not supported.
  - b. Please upgrade to a 6.1.x release first (Release 6.1.6.0 or higher is recommended). Then upgrade to the desired 7.x release (Release 7.1.1.0 or higher recommended).

Review items 5, 6, and 7 if your networks have Zero Touch Fabric (ZTF) enabled or the ISIS L1 area is **00.1515.fee1.900d.1515.fee1.900d**.

5. Legacy ZTF Procedures for Releases 7.0.0.0 - 7.1.2.0, 8.0.0.0, 8.0.1.0, and 8.0.5.0
  - a. Boot with factory-defaults fabric.
  - b. ISIS manual-area set to 00.0000.0000, Dynamically Learned Area (DLA) displayed as 00.0000.0000 and ISIS enabled with other parameters.
  - c. HELLO PDUs not sent.
  - d. Listen on active ISIS interfaces for ISIS HELLO with non-zero Area ID. Zeros of any length up to 13 bytes are considered a zero value.
  - e. When an ISIS HELLO with a non-zero Area ID is received, use that area ID as the DLA and start sending HELLO with DLA on all ISIS interfaces.
  - f. DLA set and displayed as learned in the previous step.
  - g. Saving the configuration will save into the configuration file `manual-area 00.0000.0000`.
  - h. Boot with the saved configuration. The ZTF procedures are triggered. ISIS interfaces in passive mode not sending ISIS HELLOs. Only process incoming ISIS HELLO with non-zero Area ID.

Note: You can reach the fourth step by manually configuring the ISIS/SPBM with a manual-area equal to 0 (all values of 0, regardless of the length of zeros, are considered the same) and enabling ISIS.

6. Modified ZTF Procedures for Releases 7.1.3.0+ and Future 8.x
  - a. Boot with factory-defaults fabric
  - b. ISIS manual-area set to 00.1515.fee1.900d.1515.fee1.900d, Dynamically Learned Area (DLA) is blank and ISIS enabled with other parameters.
  - c. HELLO PDUs not sent
  - d. Listen on active ISIS interfaces for ISIS HELLO with and Area ID not equal to **00.1515.fee1.900d.1515.fee1.900d**.
  - e. When an ISIS HELLO with an Area ID not equal to **00.1515.fee1.900d.1515.fee1.900d** is received, use that Area ID as the DLA and start sending HELLO with DLA on all ISIS interfaces.
  - f. DLA set and displayed as learned in the previous step.
  - g. Saving the configuration file will save into the configuration file `manual-area 00.1515.fee1.900d.1515.fee1.900d`.
  - h. Boot with the saved configuration. ZTF procedures are triggered. ISIS interfaces in passive mode not sending ISIS HELLO's, only processing incoming ISIS HELLO with an Area ID not equal to **00.1515.fee1.900d.1515.fee1.900d**.

Note: You can reach the fourth step by manually configuring the ISIS/SPBM with a manual-area equal to **00.1515.fee1.900d.1515.fee1.900d** and enabling ISIS.

## 7. Migration to a Release supporting Modified ZTF such as 7.1.3.0

### a. From Pre-ZTF feature Release such as 6.1.6.0

The following considerations should be taken into account when upgrading to this release from a pre-ZTF release:

- Check the ISIS manual area (`show isis manual-area`).
- Determine if the manual area equals `00.1515.fee1.900d.1515.fee1.900d`.
- This is a normal Area ID before the upgrade. After the upgrade to 7.1.3.0, ZTF procedures, as previously described, will be triggered.
- If the existing behavior is desired, the ISIS manual area used in the network needs to be changed to a different value. Note, if ISIS is the management network used to get to the node, it will not form an ISIS adjacency after the upgrade and not join the network. This will isolate the node. The changes to the manual area within the topology should be made before any upgrades are performed.

### b. From a Release Running Legacy ZTF such as 7.1.2.0

The following considerations should be taken into account when upgrading to a release supporting Modified ZTF from a Legacy ZTF release.

- Check the ISIS manual area (`show isis manual-area`).
- Determine if the manual area equals `00.0000.0000` or is a `00` of any length.
- This Area ID triggered the ZTF procedures before the upgrade. After the upgrade to 7.1.3.0, ZTF procedures, as previously described, will **NOT** be triggered.
- If the existing behavior is desired, replace the value of ISIS manual area with `00.1515.fee1.900d.1515.fee1.900d`. Note, if ISIS is the management network used to get to the node, it will not form an ISIS adjacency after the upgrade and not join the network. This will isolate the node. The change should be made before the upgrade.
- Determine if the manual area equals `00.1515.fee1.900d.1515.fee1.900d`.
- This is a normal Area ID before the upgrade. After the upgrade to a release implementing Modified ZTF, the ZTF procedures, as previously described, will be triggered.
- If this is not desired, replace the value of ISIS manual area with a different value. Note, if ISIS is the management network used to get to the node, it will not form an ISIS adjacency after the upgrade and not join the network. This will isolate the node. The change should be made before the upgrade.

### NOTES FOR UPGRADE:

Please see "Release Notes for VSP Operating System" for software release 7.1.0, available at <https://www.extremenetworks.com/support/release-notes> for details regarding Known Limitations.

**FILE NAMES FOR THIS RELEASE:**

## Virtual Services Platform 4000 Series

File Name	Module or File Type	File Size (bytes)
VOSS4K.7.1.3.0.tgz	Release 7.1.3.0 archived software distribution	143860308
VOSS4K.7.1.3.0_mib.zip	Archive of all MIB files	1118238
VOSS4K.7.1.3.0_mib.txt	MIB file	7413362
VOSS4K.7.1.3.0_mib_sup.txt	MIB file	1271565
VSP4000v711_HELP_EDM_gzip.zip	EDM Help file	3960940
VSP4000v7.1.1.0.zip	EDM plug-in for COM	5578143
VOSS4K.7.1.3.0.md5	MD5 Checksums	578
VOSS4K.7.1.3.0.sha512	SHA512 Checksums	1538

## Virtual Services Platform 7200 Series

File Name	Module or File Type	File Size (bytes)
VOSS7K.7.1.3.0.tgz	Release 7.1.3.0 archived software distribution	104514540
VOSS7K.7.1.3.0_mib.zip	Archive of all MIB files	1118238
VOSS7K.7.1.3.0_mib.txt	MIB file	7413362
VOSS7K.7.1.3.0_mib_sup.txt	MIB file	1274165
VSPv711_HELP_EDM_gzip.zip	EDM Help file	3960940
VSPv7.1.1.0.zip	EDM plug-in for COM	5904477
VOSS7K.7.1.3.0.md5	MD5 Checksums	572
VOSS7K.7.1.3.0.sha512	SHA512 Checksums	1532

## Virtual Services Platform 8000 Series

File Name	Module or File Type	File Size (bytes)
VOSS8K.7.1.3.0.tgz	Release 7.1.3.0 archived software distribution	159999525
VOSS8K.7.1.3.0_mib.zip	Archive of all MIB files	1118238
VOSS8K.7.1.3.0_mib.txt	MIB file	7413362
VOSS8K.7.1.3.0_mib_sup.txt	MIB file	1274165
VSPv711_HELP_EDM_gzip.zip	EDM Help file	3960940
VSPv7.1.1.0.zip	EDM plug-in for COM	5904477
VOSS8K.7.1.3.0.md5	MD5 Checksums	572
VOSS8K.7.1.3.0.sha512	SHA512 Checksums	1532

**Note about image download:**

Ensure images are downloaded using the binary file transfer. Perform MD5 checksum check on downloaded files to ensure file integrity.

Check that the file type suffix is “.tgz” and the image names after download to device match those shown in the above table. Some download utilities have been observed to append “.tar” to the file name or change the filename extension from “.tgz” to “.tar”. If file type suffix is “.tar” or file name does not exactly match the names shown in above table, rename the downloaded file to the name shown in the table above so that the activation procedures will operate properly.

**Load activation procedures:**

```
software add VOSS4K.7.1.3.0.tgz
software activate VOSS4K.7.1.3.0.GA
```

**or**

```
software add VOSS7K.7.1.3.0.tgz
software activate VOSS7K.7.1.3.0.GA
```

**or**

```
software add VOSS8K.7.1.3.0.tgz
software activate VOSS8K.7.1.3.0.GA
```

**VERSION OF PREVIOUS RELEASE:****Virtual Services Platform 4000 Series**

Software Version 3.0.0.0, 3.0.1.0, 3.1.0.0, 3.1.0.2, 3.1.0.3, 4.0.0.0, 4.0.0.1, 4.0.0.2, 4.0.0.3, 4.1.0.0, 4.1.0.1, 4.2.0.0, 4.2.0.1, 4.2.1.0, 4.2.1.1, 4.2.2.0, 4.2.3.0, 5.0.0.0, 5.0.1.0, 5.1.0.0, 5.1.1.0, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 6.0.0.0, 6.0.1.0, 6.0.1.1, 6.0.1.2, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0 and 7.1.2.0 for VSP 4850GTS platforms

Software version 4.0.0.0, 4.0.0.1, 4.0.0.2, 4.0.0.3, 4.1.0.0, 4.1.0.1, 4.2.0.0, 4.2.0.1, 4.2.1.0, 4.2.1.1, 4.2.2.0, 4.2.3.0, 5.0.0.0, 5.0.1.0, 5.1.0.0, 5.1.1.0, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 6.0.0.0, 6.0.1.0, 6.0.1.1, 6.0.1.2, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0 and 7.1.2.0 for VSP 4450GSX platform

Software Version 4.0.50.0 4.2.1.1, 4.2.2.0, 4.2.3.0, 5.0.0.0, 5.0.1.0, 5.1.0.0, 5.1.1.0, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 6.0.0.0, 6.0.1.0, 6.0.1.1, 6.0.1.2, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0 and 7.1.2.0 for VSP 4450GSX DC and VSP 4450GTS DC platforms

Software Version 4.0.40.0, 4.1.0.0, 4.1.0.1, 4.2.0.0, 4.2.0.1, 4.2.1.0 4.2.1.1, 4.2.2.0, 4.2.3.0, 5.0.0.0, 5.0.1.0, 5.1.0.0, 5.1.1.0, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 6.0.0.0, 6.0.1.0, 6.0.1.1, 6.0.1.2, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0 and 7.1.2.0 for VSP 4450GTX-HT-PWR+ platform

**Virtual Services Platform 7200 Series**

Software Version 4.2.1.0, 4.2.1.1, 4.2.2.0, 4.2.3.0, 5.0.0.0, 5.0.1.0, 5.1.0.0, 5.1.1.0, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 6.0.0.0, 6.0.1.0, 6.0.1.1, 6.0.1.2, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0 and 7.1.2.0

**Virtual Services Platform 8000 Series**

Software Version 4.0.0.0, 4.0.1.0, 4.0.1.1, 4.0.1.2, 4.0.1.3, 4.0.1.4, 4.1.0.0, 4.1.0.1, 4.2.0.0, 4.2.0.1, 4.2.1.0, 4.2.1.1, 4.2.2.0, 4.2.3.0, 5.0.0.0, 5.0.1.0, 5.1.0.0, 5.1.1.0, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 6.0.0.0, 6.0.1.0, 6.0.1.1, 6.0.1.2, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0 and 7.1.2.0 for VSP8200 platform

Software Version, 4.2.0.0, 4.2.0.1, 4.2.1.0, 4.2.1.1, 4.2.2.0, 4.2.3.0, 5.0.0.0, 5.0.1.0, 5.1.0.0, 5.1.1.0, 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 6.0.0.0, 6.0.1.0, 6.0.1.1, 6.0.1.2, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0 and 7.1.2.0 for VSP8404 platform

Software Version, 5.3.0.0, 6.1.0.0, 6.1.1.0, 6.1.2.0, 6.1.2.1, 6.1.3.0, 6.1.3.1, 6.1.3.2, 6.1.4.0, 6.1.5.0, 6.1.6.0, 7.1.0.0, 7.1.0.1, 7.1.1.0 and 7.1.2.0 for VSP8404c platform

**COMPATIBILITY:**

This software release is managed with Enterprise Device Manager (EDM), which is integrated into the agent software.

**CHANGES IN THIS RELEASE:****New Features in This Release****Configuration Changes**

- The untag-port-default-vlan setting is now allowed for MLT members.
- VLAN ISID mapping to an existing ISID now generates a warning message.

```
VSP-7254XSQ:1(config)#vlan i-sid 10 20
```

```
Error: I-SID is already assigned to a VLAN
```

Remove the mapping before assigning.

```
VSP-7254XSQ:1(config)#no vlan i-sid 10
VSP-7254XSQ:1(config)#vlan i-sid 10 20
VSP-7254XSQ:1(config)#
```

**Certificate Enhancements**

- Added SAN support.
- Added relaxed-mode CSR generation for less restrictive consistency checks and SAN inclusion in the CSR.
- Added relaxed-mode offline subject certificate installation for less restrictive consistency checks and new PKCS12 support.

**New Features in This Release****New Commands**

- `show certificate subject-alternative-name`
- `no certificate subject-alternative-name` - Deletes all SAN table entries.
- `default certificate subject-alternative-name` - Deletes all SAN table entries.
- `certificate subject-alternative-name <type> <name>` - Where <type> is {dns, e-mail, ip} and <name> is the actual alternative name to add to SAN table.
- `no certificate subject-alternative-name <type> <name>` - Removes the specific entry from the SAN table.

**Modified commands:**

- New relaxed option for the `certificate generate-csr` command.  

```
(config)#certificate generate-csr ?
relaxed
```
- New relaxed option for the `certificate install-file offline-subject-filename` command.  

```
(config)#certificate install-file offline-subject-filename <cert_name> ?
relaxed
```
- New `pkcs12-password` option with `WORD <1-128>` parameter for the `certificate install-file offline-subject-filename <cert_name> relaxed` command to install a PKCS12 format certificate and secret key in relaxed mode. The parameter is the password for extracting the PKC12 container.  

```
(config)#certificate install-file offline-subject-filename <cert_name>
relaxed ?
pkcs12-password Install PKCS12 format certificate and secret key in relaxed
mode

(config)#$certificate install-file offline-subject-filename <cert_name>
relaxed pkcs12-password ?
WORD<1-128> Password for extracting PKCS12 container
```



**MIB changes**

The following changes have been made in the software MIB files.

rcDigitalCertGenerateCsr OBJECT-TYPE

```
SYNTAX    INTEGER {
        generate      (1),
        notApplicable (2)
    }
```

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Generates the Certificate Signing Request required to obtain the Offline Subject Certificate  
SNMP get for this object will always return notApplicable(2) because it is only meaningful in the  
context of 'generate-csr' command"

DEFVAL { notApplicable }

::= { rcDigitalCertScalars 12 }

rcDigitalCertRelaxedMode OBJECT-TYPE

```
SYNTAX    INTEGER {
        relaxed      (1),
        notApplicable (2)
    }
```

MAX-ACCESS read-write

STATUS current

DESCRIPTION "Used in conjunction with rcDigitalCertGenerateCsr or rcDigitalCertInstallFile &  
rcDigitalCertInstallFileName(for offlineSubjectCert only) to:

- allow generation of CSR without setting all certificate subject fields by relaxing consistency checks;
- allow inclusion of Subject Alternative Names(SAN) in CSR
- allow installing certificates(offlineSubjectCert only) not only in DER but PKCS12 format as well with the following minimal restrictions:
- either Subject Common Name or SAN must be configured
- only those Certificate Subject fields(subset of rcDigitalCertScalars 1 -> 7) present in

rcDigitalCertInstallFileName(offlineSubjectCert

about to be installed) are matched against their counterparts configured on box

Ignored if used in a different context than the 2 previously mentioned(with

rcDigitalCertGenerateCsr or rcDigitalCertInstallFile)

SNMP get for this object will always return notApplicable(2) because it is only meaningful in the  
context of 'generate-csr' or

'install-file offline-subject-filename' commands

"

DEFVAL { notApplicable }

::= { rcDigitalCertScalars 13 }

rcDigitalCertPkcs12Password OBJECT-TYPE

```
SYNTAX    DisplayString (SIZE(1..128))
```

MAX-ACCESS read-write

STATUS current

```

DESCRIPTION "Password to be used for PKCS12 container extraction; a SNMP get will always return
'*****' for this object (security reasons)
    Used in conjunction with rcDigitalCertRelaxedMode & rcDigitalCertInstallFile &
rcDigitalCertInstallFileName(for offlineSubjectCert only)
    otherwise it is ignored.
    Allows installing offlineSubjectCert and private key in the form of a PKCS12 container"
DEFVAL      { "*****" }
::= { rcDigitalCertScalars 14 }

--
-- Digital certificate SAN section
--

rcDigitalCertSanTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF RcDigitalCertSanEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION "table containing Subject Alternative Names used in csr generation"
    ::= { rcDigitalCertObjects 6 }

rcDigitalCertSanEntry OBJECT-TYPE
    SYNTAX      RcDigitalCertSanEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION "Subject Alternative Names table entry"
    INDEX       { rcDigitalCertSanType, rcDigitalCertSanName }
    ::= { rcDigitalCertSanTable 1 }

RcDigitalCertSanEntry ::=
    SEQUENCE {
        rcDigitalCertSanType    INTEGER,
        rcDigitalCertSanName    DisplayString,
        rcDigitalCertSanRowStatus RowStatus
    }

rcDigitalCertSanType OBJECT-TYPE
    SYNTAX      INTEGER {
        -- otherName(0),
        -- x400Address(3),
        -- directoryName(4),
        -- ediPartyName(5),
        -- uniformResourceIdentifier(6),
        -- registeredID(8),
        rfc822Name(1),
        dNSName(2),
        iPAddress(7)
    }
    MAX-ACCESS  not-accessible

```

**New Features in This Release**

```

STATUS      current
DESCRIPTION "Type of current Alternative Name as per RFC 5280"
::= { rcDigitalCertSanEntry 1 }

rcDigitalCertSanName OBJECT-TYPE
SYNTAX      DisplayString (SIZE (1..255))
MAX-ACCESS  not-accessible
STATUS      current
DESCRIPTION "Alternative name; combination rcDigitalCertSanType + rcDigitalCertSanName is unique"
::= { rcDigitalCertSanEntry 2 }

rcDigitalCertSanRowStatus OBJECT-TYPE
SYNTAX      RowStatus
MAX-ACCESS  read-create
STATUS      current
DESCRIPTION "Used to create/delete entries in rcDigitalCertSanTable"
::= { rcDigitalCertSanEntry 3 }

--
-- end of Digital certificate SAN section
--
    
```

**Zero Touch Fabric (ZTF) Changes**

The ZTF area has been changed from 00.0000.0000 to 00.1515.fee1.900d.1515.fee1.900d.

- The manual area can be changed dynamically, without disabling IS-IS, only when the area is ZTF.
- The last manual area cannot be deleted when IS-IS is enabled.

**Old Features Removed From This Release**

None.

**Problems Resolved in This Release**

VOSS-13050	Deleting a VLAN configured for VRRP with no VLAN IP address causes switch reset.
VOSS-13070	Using pipe with show running-config to include patterns does not work when IP name server configured
VOSS-13127	Chassis reset due to receiving a DHCP pkt with a malformed value in the UDP length field.
VOSS-13158	<p>Certificate Enhancements</p> <ul style="list-style-type: none"> <li>• relax consistency checks for CSR generation by introducing a new 'relaxed' mode for installing them via 'certificate generate-csr relaxed' command;</li> <li>• Relaxed mode also allows for adding SANs (Subject Alternative Names) to CSR</li> <li>• support for PKCS12</li> </ul>

Problems Resolved in This Release	
VOSS-13193	MPLS packets with EtherType 0x8847 are not passing over a T-UNI, other EtherTypes work.
VOSS-13194	ISIS adjacency not coming up for manual-area "00.0000"
VOSS-13198	Unable to Communicate between VRF CLIP IP
VOSS-13585	ip forward-protocol udp fails to forward packet received on L2VSN when no "up" port exists in Platform VLAN
VOSS-13638	After disabling MSTP on a port, re-enabling it causes ... "Error: port 1/40, Invalid value given to MSTP"
VOSS-13835	GlobalRouter IPMC ERROR Insufficient VFI/VPN resources to create McoSpb source
VOSS-13860	Chassis reset during ARP age out.
VOSS-13893	VLAN I-SID mapping can be overwritten without warning message
VOSS-13977	Chassis reset during ARP deletion
VOSS-14068	Allow untag-port-default-vlan for MLT/LACP trunks
VOSS-14107	"no ssh encryption" configuration truncated in saved config (partial configuration loss may occur)
VSP4000-247	Core Dump Generated with memory leak "GlobalRouter SW ERROR Memory reached critical level of 95% utilization from SLAMON activity/"
VSP4000-248	ISIS adjacency over FE Tunnel not coming up
VSP7200-78	vIST peers reset when short ARP packet destined to the SLAMON agent IP address.

### OUTSTANDING ISSUES:

Please see "Release Notes for VSP Operating System" for software release 7.1.0 available at <https://www.extremenetworks.com/support/release-notes> for details regarding Known Issues.

### KNOWN LIMITATIONS:

VOSS-14107 – In previous releases, the `no ssh encryption-type` command was potentially incorrectly truncated and saved to the configuration file. This potential issue has been corrected in this release.

However, it is possible that this incorrectly truncated configuration exists in previously saved configuration files. This can cause a failure when the file is loaded during a system reboot. Examine the configuration file before any system reboot or software upgrade. If the `no ssh encryption-type` command is present, and incorrectly truncated, enable the applicable encryption types temporarily and save the configuration. This creates a configuration file without the incorrect truncation. The system can now be upgraded to this release without error to correct this potential issue.

Proceed with disabling the encryption types after the upgrade that had been enabled before the upgrade. The configuration file will be saved using the full and proper command.

VOSS-14198 - EDM/SNMP support for PKCS12 and SAN needs to be added. Currently this functionality only exists via cli.

**Limitation:** Currently only CLI contexts exist for the PKCS12 and SAN functionality.

VOSS-14211 - ISIS logical-int using OSPF Route learnt over L2VSN causing FE to never come up.

**Workaround/avoidance:** Temporary workaround. Delete the logical interface configuration and reconfigure.

VOSS-14216 - Unexpected error when trying to install a PKCS12 file that does not exist in flash.

**Workaround/avoidance:** Ensure the file name specified as part of the PKCS12 command is proper and exists.

VOSS-14217 - Cannot install PKCS12 file if a public/private key is removed and does not already exist on the switch

**Workaround/avoidance:** Do not remove public / private key pairs prior to a PKCS12 installation attempt. If they are removed, generate a new pair, and then install the PKCS12 file.

VOSS-14218 - CSR generation in relaxed mode needs clearer error messages when improper contexts are attempted.

**Workaround/avoidance:** Ensure that at least one parameter in the CN or SAN is configured to avoid the unclear error message using relaxed mode.

VOSS-14220 - Users are currently allowed to configure invalid values for the certificate SAN.

**Workaround/avoidance:** Ensure that valid, formatted parameters are entered when specifying the certificate SAN.

Please see "Release Notes for VSP Operating System" for software release 7.1.0 available at <https://www.extremenetworks.com/support/release-notes> for details regarding Known Limitations.

Regular cleanup of unneeded files on USB drives is recommended to minimize possibility of USB corruption when a system is reset, shutdown or power is lost.

## DOCUMENTATION CORRECTIONS:

For other known issues, please refer to the product release notes and technical documentation available at: <https://www.extremenetworks.com/support/documentation>.

## GLOBAL SUPPORT

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For information regarding the latest software available, recent release note revisions, or if you require additional assistance, please visit the Extreme Networks Support website.

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