Prepared (Subject resp)		No.			
EROBKWO Robert Kwolek		109 21-10/CXC 132 9107-13 Uen			
Approved (Document resp)	Checked	Date	Rev	Reference	
BNEWICBG [Robert Kwolek]		2018-03-06	D		

BSC LAN Switch and NWI-E Upgrade

Abstract

The Product Revision Information/Known faults document contains information on new or modified functions, information on Trouble Reports, and functions affected by Change Requests. It also provides information about known faults and limitations.

This document provides input for acceptance and system tests as well as various support organizations.

This document is valid for the R-state specified in chapter 2.

Contents

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1   Revision history

Rev	Date	Prepared	Description
A	2017-06-14	EKRZFEL	First revision describing R3H. Product changed to R3H due to release of the new XOS version
B	2017-09-01	EROBKWO	4.1.1 'BSC-AP software and APG level dependencies' section added
C, D	2018-03-06	EROBKWO	Document updated: Information about not supported Summit48i is added in the modified Section 3.1

2   Reason for Revision

Rev. A:
Product updated to R3H. R-state stepped because of the new release of new ExtremeXOS SW which prevents:
- VRRP Master-Master state after failover
- Lack of SFP transceiver information in printout

Verified version for this package is:
- NWI-E ExtremeXOS 16.2.3.5 patch1-3

ExtremeXOS SW is included in the package. Non-SSH ExtremeWare for Summit48si is also included. See Upgrade Instruction ref. [1]how to get the SSH-version for Summit48si.

Package name in SMO:
ExtremeWare_NWI-E Upgrade 10/CXC 132 9107 R3H01.

Rev. B:
4.1.1 'BSC-AP software and APG level dependencies' section is added.

Rev. C, D:
Document updated: Information about not supported Summit48i is added in the modified Section 3.1.

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3 Product Revision Information

3.1 Important Implementation Information

Starting from the G18.Q1 release BSC LAN Switch Extreme Summit48si is no longer supported.

3.2 Functionality

3.2.1 Implemented Change Requests

None

3.2.2 Implemented Functionality in Upgrade Scripts

None

3.3 Corrected Trouble Reports

CXC Name	Ref. no	Title	Corrected in <Delivery id>

3.3.1 Corrected Software Functionality

3.3.1.1 Extreme Networks Case #0067506

After upgrading ExtremeXOS to 16.2.3.5 release, software will prevent VRRP Master-Master state after failover.

3.3.1.1.1 Affected Node

BSC, NWI-E

3.3.1.1.2 Affected Releases

NWI-E on EXOS 15.5 and 16.1 valid for all BSC releases. It could also affect earlier releases.

3.3.1.1.3 Background

Both VRRP stack in MASTER state for particular VLANA (can be shown on 'show vlan' printout).

3.3.1.1.4 Solution

Load the new package ExtremeWare_NWI-E Upgrade 10/CXC 132 9107 R3H with new NWI-E ExtremeXOS 16.2.3.5 patch1-3.

3.3.1.2 Extreme Networks Case #0066301

After upgrading ExtremeXOS to the 16.2.3.5 release, software will allow to see the SFP transceiver information in the printout (show port <port_number> tr inf).

3.3.1.2.1 Affected Node

BSC, NWI-E

3.3.1.2.2 Affected Releases

NWI-E on EXOS 16.1.3.6 valid for all BSC releases.

3.3.1.2.3 Background

Transceiver information is not shown on printout (show port <port_number> tr inf).

3.3.1.2.4 Solution

Load the new package ExtremeWare_NWI-E Upgrade 10/CXC 132 9107 R3H with the new NWI-E ExtremeXOS 16.2.3.5 patch1-3.

4 Known faults and limitations

4.1.1 BSC-AP software and APG level dependencies

4.1.1.1 Background

Installation of the NWI-E software included in this package on a BSC with BSC-AP software in revision lower than R5A will cause a delay in cable disconnection alarm (BSC IP NETWORK INTERFACE PORT FAULT) receiving.

4.1.1.2   Solution

In order to resolve this issue installation of the BSC-AP software in revision R5A or higher is required. Installation of BSC-AP in revision R5A requires APG in version 3.2.0 or higher.

4.1.2   Issues when upgrading NWI-E from EXOS 12.3.1.2

4.1.2.1   Background

Attempting to perform a direct upgrade to 16.2.3.5 from 12.3.1.2 will cause the installation of the software to fail and also possibly make the switch unreachable.

4.1.2.2   Solution

The EXOS 12.3.1.2 must be upgraded to version EXOS 15 before upgrading the NWI-E to EXOS 16.2.3.5.

The access to the upgrade package on EXOS 15 level can be obtained by raising a ticket at: http://grantier2.lmera.ericsson.se/GRANticket

4.1.3   Changed hash algorithm for account password storing in EXOS 16.x

4.1.3.1   Background

In EXOS 16.1 and newer versions, the hash algorithm used to store account passwords is changed from MD5 to SHA-256. Any accounts created or changed in EXOS 16.1 or higher will use SHA-256 for hashing the password. Since SHA-256 is not supported prior to EXOS 16.1, these accounts will not work in EXOS 15.x and below.

4.1.3.2   Solution

Reverting to EXOS 15.x after changing the password on EXOS 16 is not possible unless an old configuration is loaded at the time of restore.

4.1.4   Faulty Jython in OSS (HQ75301)

4.1.4.1   Background

There is a problem with the shutil.py module in Jython 2.5.2 that makes the upgrade fail during the copying of Extremeware SSH SW to SMO file store.

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4.1.4.2   Solution

There is a workaround built into the scripts, but if the upgrade is executed a number of times, the SW must be removed before re-starting the upgrade. In SMO window, click on SMO File store, expand Software, EXTREME, <package name>, click on firmware directory. Right-click on v784b1-patch1-4.SBxtr and choose Delete.

4.1.5   Installing 15.x version of the NWI-E firmware

4.1.5.1   Background

As the SSH module is included as a part of 16.2.x firmware image, it is not included as a separate module in this package. Therefore, manually entering firmware which is older than 16.2.x in SMO will install a version without the SSH module.

4.1.5.2   Solution

In order to install a separate image of the firmware older than 16.2.x and the SSH module, use the previous revision of the package (R3G02).

4.1.6   Issues when downgrading NWI-E from EXOS 16.2.x to 15.x

4.1.6.1   Background

Downgrading NWI-E firmware directly from EXOS 16.2.x to 15.x is not possible, and fails at image validation.

4.1.6.2   Solution

In order to perform a firmware downgrade to a 15.x version, perform a fallback (if the firmware was upgraded from the 15.x version) or first downgrade the firmware to 16.1.3.6 version using the R3G02 revision of the package, and then downgrade the firmware to 15.x version.

5   References

[1]   1/10922-CXC 132 9107 Uen
          Upgrade Instruction BSC LAN Switch