



ipsec events

ONTAP 9.11.1 EMS reference

NetApp
December 15, 2022

Table of Contents

- ipsec events 1
- ipsec.ib events 1
- ipsec.ob events 2

ipsec events

ipsec.ib events

ipsec.ib.bad.encrypt

Severity

ALERT

Description

This message occurs when an inbound IPsec packet cannot be successfully decrypted. Corrupt data is received.

Corrective Action

The IPsec SA database could be out of sync to cause this decryption failure. Use the "security ipsec policy modify -is-enabled" command to disable and then reenale the affected policy matching the source and destination IP address.

Syslog Message

IPsec: %s packet cannot be successfully decrypted.

Parameters

sa2str (STRING): IPsec Security Association (SA) in string format SA (Security Parameter Index, source IP address, destination IP address).

ipsec.ib.no.lookup

Severity

ALERT

Description

This message occurs when an inbound IPsec packet cannot able to locate the IPsec Security Association (SA) from the SA database. The remote side is using an SA which does not exist in the local SA database.

Corrective Action

The IPsec SA database is out of sync. Use the "security ipsec policy modify -is-enabled" command to disable and then reenale the affected policy matching the source and destination IP address.

Syslog Message

IPsec: SA not found. SPI: %s Src IP: %s Dst IP: %s.

Parameters

spi (STRING): IPsec SA Security Parameter Index (SPI).

srcAddr (STRING): Source IP address.

dstAddr (STRING): Destination IP address.

ipsec.ib.no.replay

Severity

NOTICE

Description

This message occurs when an inbound IPsec Security Association (SA) encounters a replay check failure. Number of out-of-order and retransmitted IPsec packet received. Possible causes include a denial-of-service (DoS) attack or traffic congestion.

Corrective Action

Possible traffic congestion or DoS attack.

Syslog Message

IPsec: %s replay packets detected. Possible DoS attack or traffic congestion.

Parameters

sa2str (STRING): IPsec SA in string format SA (Security Parameter Index, source IP address, destination IP address).

ipsec.ib.policy.violation

Severity

ALERT

Description

This message occurs when an inbound IPsec packet is found to violate the security policy. It is either not IPsec protected or it is protected in a different way than the policy specifies.

Corrective Action

check the IPsec policy configuration on both ends to make sure that they match each other.

Syslog Message

IPsec: Inbound %s packet %s => %s security policy violation.

Parameters

protocol (STRING): Packet protocol.
srcAddr (STRING): Source IP address.
dstAddr (STRING): Destination IP address.

ipsec.ob events

ipsec.ob.no.acquire

Severity

NOTICE

Description

This message occurs when the kernel cannot acquire an IPsec Security Association (SA) to protect an outbound packet.

Corrective Action

Double check the IPsec policy configuration on both ends to make sure that they match each other.

Syslog Message

IPsec: Could not acquire SA for packet %s => %s.

Parameters

srcAddr (STRING): Source IP address.

dstAddr (STRING): Destination IP address.

Copyright information

Copyright © 2022 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.