



Pinpoint.



Playback.



Protect.

Myricom nVoy Series

Packet Recorder

Quick Start Guide

Version 1.0



March 24, 2017

Copyright © 2017 CSP, Inc.

All rights reserved.

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission from CSP, Inc.

All copyright, confidential information, patents, design rights and all other intellectual property rights of whatsoever nature contained herein are and shall remain the sole and exclusive property of CSP, Inc. The information furnished herein is believed to be accurate and reliable. However, no responsibility is assumed by CSP, Inc. for its use, or for any infringements of patents or other rights of third parties resulting from its use.

The Myricom, Inc. name and Myricom, Inc. logo are trademarks or registered trademarks of CSP, Inc. All other trademarks are the property of their respective owners.

Publishing Information

Document Revision	nPRqs 1.0
Date	March 24, 2017

Address

CSP Inc.

175 Cabot Street, Suite 210

Lowell, MA 01854

Tel: (800) 325-3110

support@cspi.com

<http://www.cspi.com/ethernet-products/integrated-solutions>

Table of Contents

1	QUICK START GUIDE	1
1.1	Cabling and Hard Drive install.....	1
1.1.1	Prerequisites.....	1
1.1.2	Hard Drive Installation.....	2
1.1.3	Cabling procedure	5
1.1.4	IPMI interface.....	5
1.1.5	Factory Reset.....	5
1.2	Web User Interface.....	6
1.2.1	Default login information	6
1.2.2	Changing the default root password	7
1.2.3	Log On procedure.....	8
1.2.4	Log Off procedure.....	9
1.2.5	SSL Certificate Warning	10
1.3	Powering ON/OFF.....	11
1.3.1	Power ON sequence	11
1.3.2	Power OFF sequence	11
1.4	Checking ARC Series E Network Adapter Connectivity	12
2	CSPI TECHNICAL SUPPORT	13
3	LIMITED WARRANTY.....	14

1 Quick Start Guide

The Quick Start guide provides general information on the following topics:

- Hard Drive installation
- Cabling
- Default login information
- Changing the default root password
- Logging ON/OFF
- Powering ON/OFF
- Checking ARC Series E Network Adapter Connectivity

1.1 Cabling and Hard Drive install

This section describes how to cable and connect the hard drives to the nVoy Packet Recorder.

1.1.1 Prerequisites

1. Personal computer, with Ethernet connectivity to the nVoy Packet Recorder
2. CSPI – Myricom ARC Series E-Class network adapter (pre-installed and configured)
3. 1.2 terabyte hard drives (24)
4. SFP+ cable/transceivers
5. Ethernet cable (Cat 5 or better)
6. Power cord
7. 110V 50-60Hz power outlet with 4 Amps capacity, OR
220V 50-60Hz power outlet with 2 Amps capacity

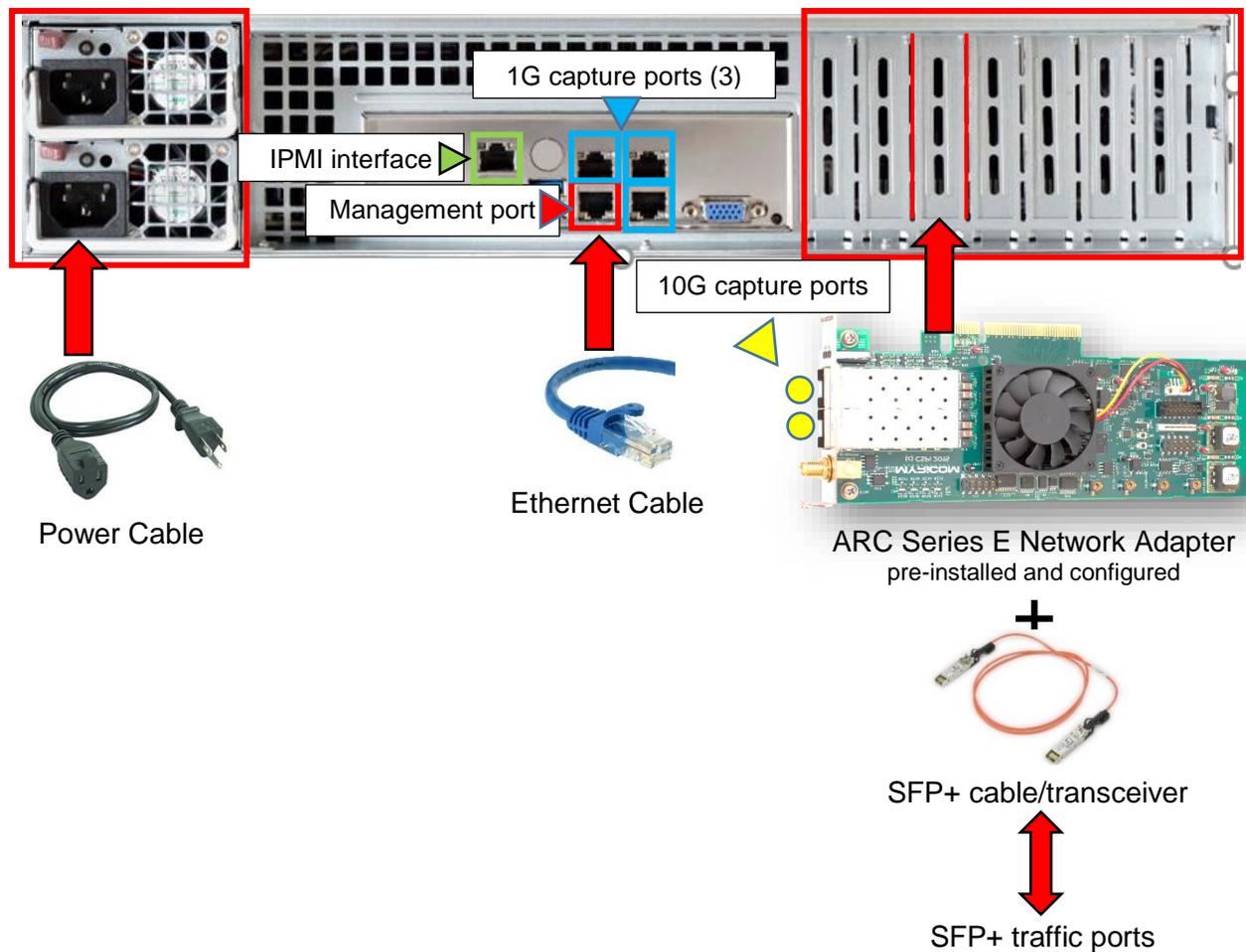


Figure 1.1 Cabling requirements - rear panel of nVoy Packet Recorder.

1.1.2 Hard Drive Installation

A Note on Handling ESD Sensitive Hardware

Follow industry-standard ESD anti-static procedures when handling ESD sensitive hardware to avoid accidentally damaging integrated circuits.

For more information on ESD anti-static procedures, go to:

<https://www.esda.org/about-esd/esd-fundamentals/part-3-basic-esd-control-procedures-and-materials/>

Before you start

1. Carefully remove the nVoy Packet Recorder and hard drives from their packaging.
2. Do a visual inspection of the nVoy Packet Recorder chassis and hard drives for any damage that may have occurred during shipping. If there is any damage or missing components, contact CSPI Technical Support at support@cspi.com



NOTE:

The nVoy Packet Recorder chassis is shipped without a dust cover. Check the chassis enclosure for any signs of dirt or debris before installing the drives.

Installing the drives

1. Identify the hard drive BAY 1 sticker with the chassis enclosure BAY 1 sticker, as shown in Figure 1.2.

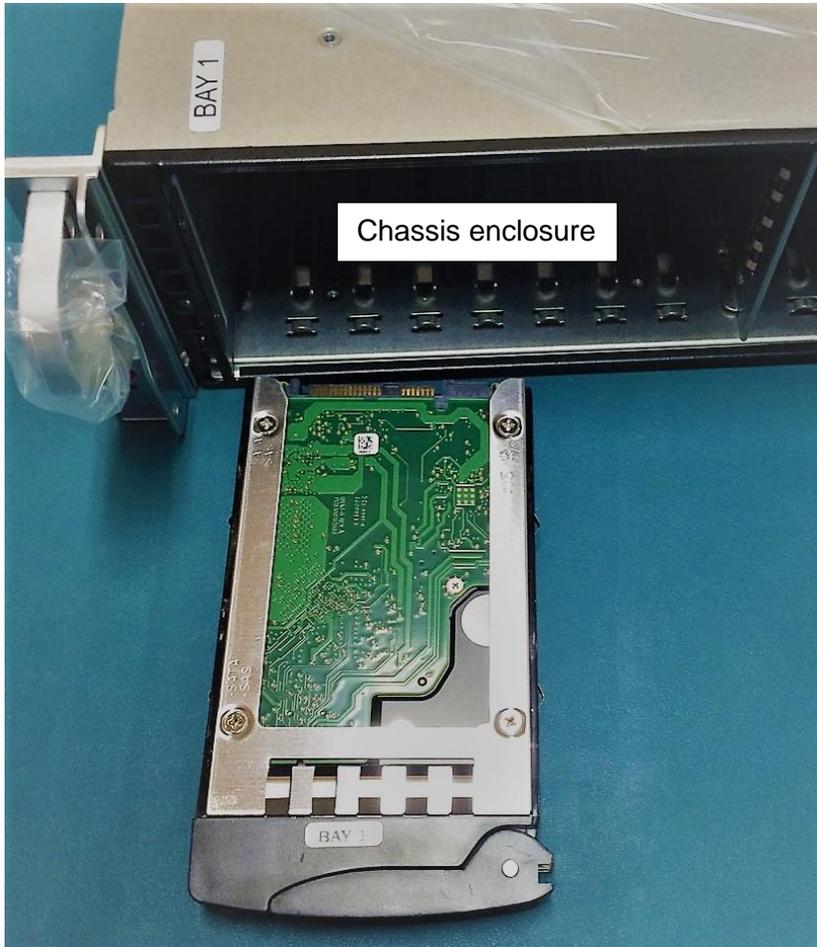


Figure 1.2: Hard drive and chassis enclosure with BAY 1 stickers.

2. Insert BAY 1 hard drive into chassis enclosure BAY 1, as shown in Figure 1.3.

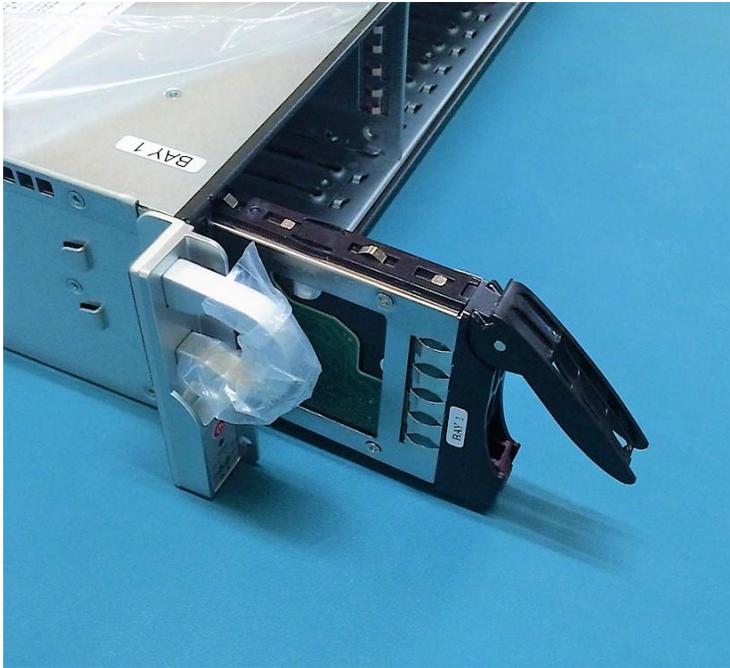


Figure 1.3: Inserting BAY1 hard drive into chassis enclosure BAY1.

3. Gently slide the hard drive into position and secure the front latch.
4. install and secure the remaining hard drives in consecutive order from BAY 2 to BAY 24, as shown in Figure 1.4.

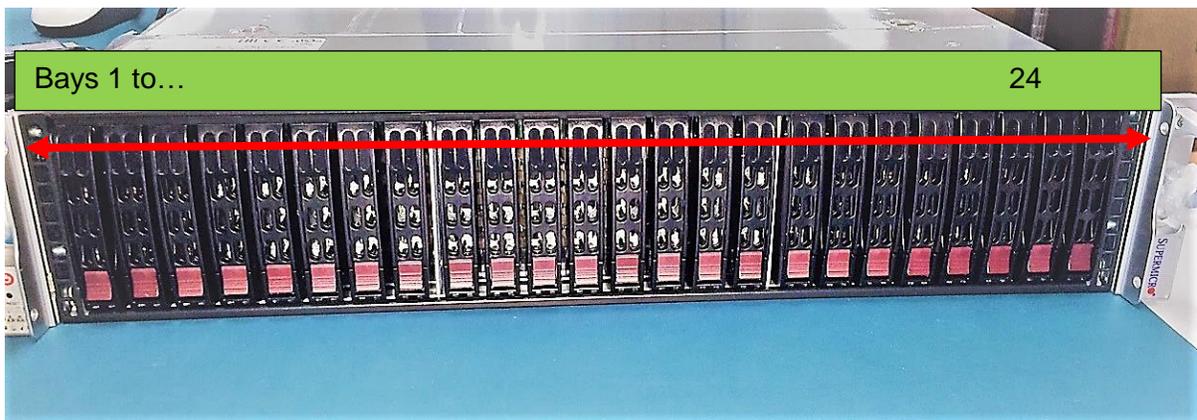


Figure 1.4: Bays 1 through 24.

1.1.3 Cabling procedure

1. Connect the Ethernet cable from the nVoy Packet Recorder management port to a switch or PC.
2. For 10G traffic ports, run SFP+ copper cables or fiber optical modules (with proper cables) from one or more nVoy Packet Recorder traffic ports to switch ports or other SFP+ traffic ports.
3. Connect the nVoy Packet Recorder to a power outlet.

1.1.4 IPMI interface

The IPMI interface allows you to access the nVoy Packet Recorder in case of a network disruption on the management port. Refer to the server guide inside the carton for further details.

Connect the management interface to your network and the traffic monitor to the monitoring interface. Depending on your nVoy Packet Recorder configuration, there may be additional monitoring ports that you can configure from the Web user interface.

1.1.5 Factory Reset

To reset the nVoy Packet Recorder to the pre-configured default, navigate to the System tab and select **Factory Reset**. Note that at the first reboot, disconnect all cables from the network interfaces beside the eth0 cable to enable the nVoy Packet Recorder to detect the eth0 management interface.

For more information on resetting to factory specs, go to section 5.8 *Factory Reset tab* of the *Myricom nVoy Series Packet Recorder User Guide*.

1.2 Web User Interface

The nVoy Packet Recorder has a web-based management user interface designed to configure and run the CSPi series of packet recording software such as n2disk.

NOTE: For the purposes of this user guide, we will be describing the nVoy packet recording Web user interface as it relates to the **n2disk software package**.

1.2.1 Default login information

The nVoy Packet Recorder is shipped with a default IP address to establish TCP/IP connectivity, as described below.

Default IP address	https://192.168.160.10
Default Console username	root
Default Console password	nbox
Default web username	nbox
Default web password	nbox

Table 1: Default login information.

NOTE: Upon receipt of the nVoy Packet Recorder, we recommend that you immediately change the default root password. For more information, go to Section 1.2.2 *Changing the default root password*

1.2.2 Changing the default root password

To change the default root password, follow these steps:

1. Click **System > Users** tab.

The System Users window appears, as shown in Figure 1.5.

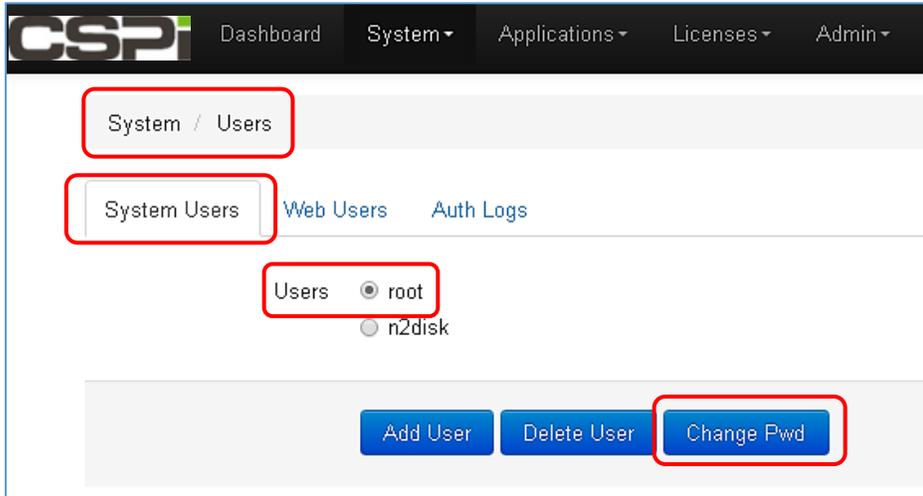


Figure 1.5: System Users window.

2. Check the **Users root** radio button and click **Change Pwd**.

The root login Change Pw window appears, as shown in Figure 1.6.

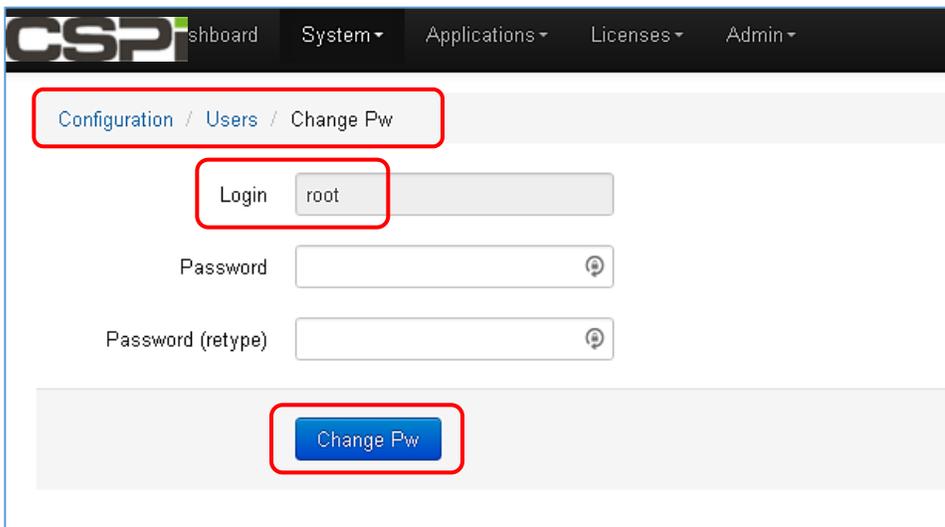


Figure 1.6: Change Pw window (root login)

3. Enter the new password twice and click **Change Pw**.

The default root password has been changed.

1.2.3 Log On procedure

1. Enter the default IP address.

The Log In window appears, as shown in Figure 1.7.



Figure 1.7: Default login information

2. Click **Log In**

The Authentication Required prompt appears, requesting a username and password, as shown in Figure 1.8.

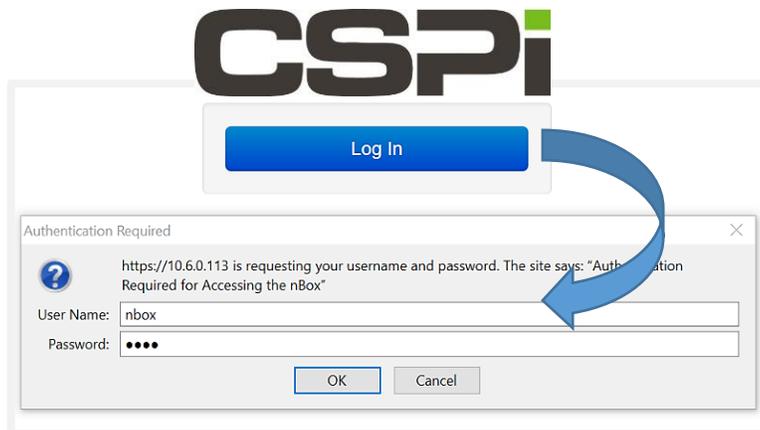


Figure 1.8: Authentication Required window.

3. Enter the default user name and password.
4. Click **OK**

The nVoy Packet Recorder Web user interface appears. The homepage defaults to the Dashboard. You can now manage the nVoy Packet Recorder through the Web user interface.

NOTE: If you received a security certificate warning when logging on, go to section 1.2.5 [SSL Certificate Warning](#)

NOTE: If you are logging on to the Web user interface for the first time, we recommend that you immediately change the default root password. For more information, go to Section 1.2.2 [Changing the default root password](#)

1.2.4 Log Off procedure

The **Admin > Logout** tab enables user to log off the nVoy Packet Recorder Web user interface, as shown in Figure 1.9.

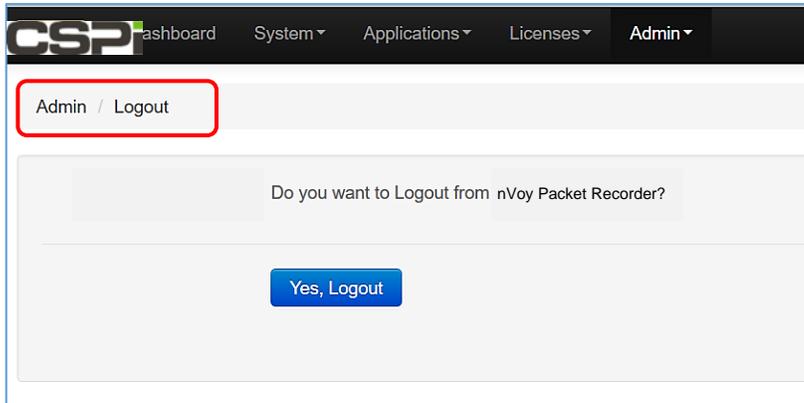


Figure 1.9: Logging off the nVoy Packet Recorder Web user interface.

Click **Yes, Logout** to log off the nVoy Packet Recorder Web user interface.

1.2.5 SSL Certificate Warning

When connecting to the nVoy Packet Recorder Web user interface, you may receive a security certificate warning according to web browser type.

Internet Explorer browser

In the event of a security certificate warning, click **Continue to this website (not recommended)**, as shown in Figure 1.10.

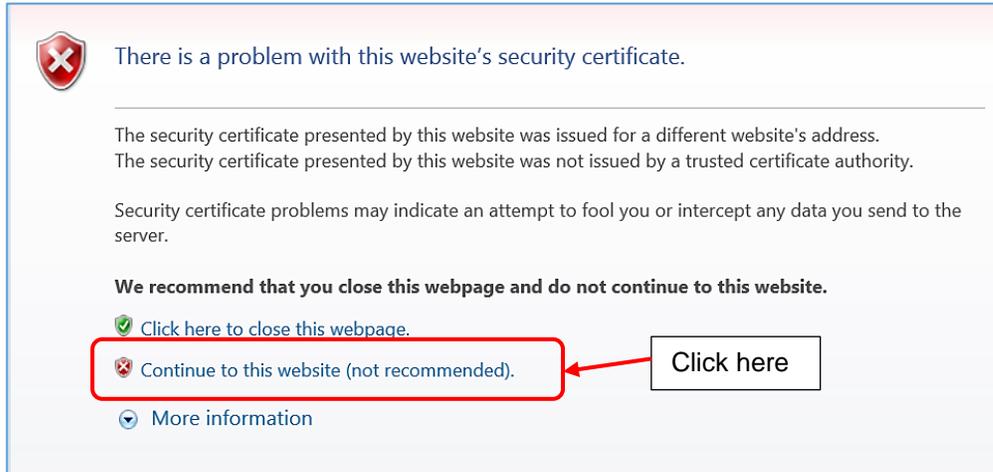


Figure 1.10: Internet Explorer browser security certificate warning.

Google Chrome browser

In the event of a security certificate warning, click **Advanced** and then **Proceed to cspi-nvoy-recorder (unsafe)**, as shown in Figure 1.11.

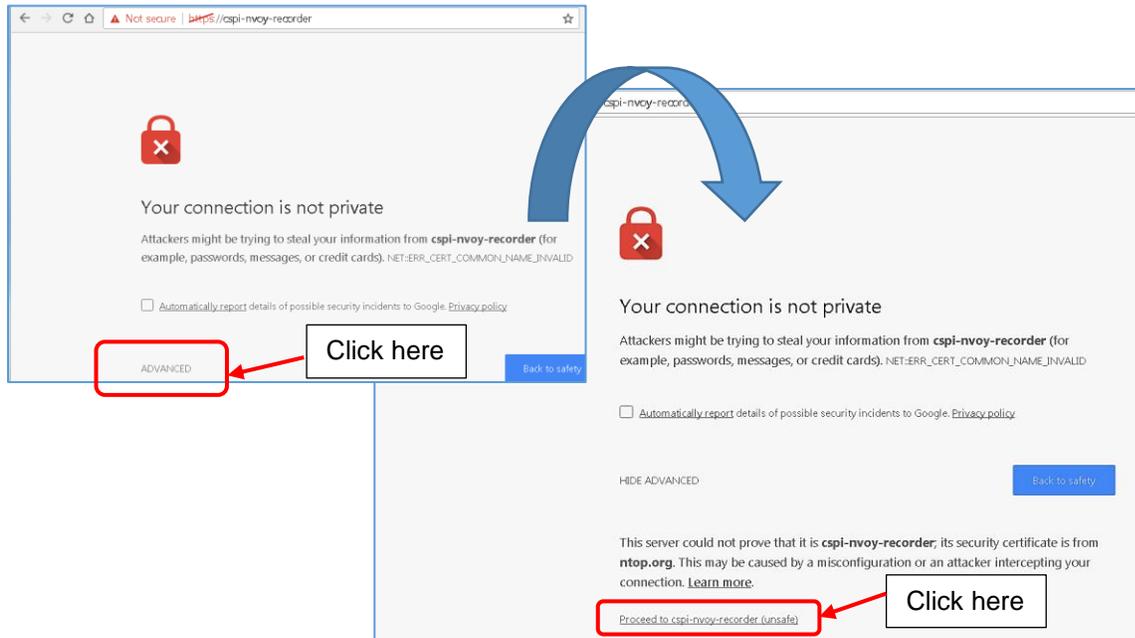


Figure 1.11: Google Chrome browser security certificate warning.

1.3 Powering ON/OFF

This section describes how to power ON and OFF the nVoy Packet Recorder.

1.3.1 Power ON sequence

Before you power on the nVoy Packet Recorder:

1. Unplug the Ethernet cable to your network first to prevent IP address conflicts.
2. Connect the appliance power cords to the power supply.

It takes about five minutes for the appliance to be ready for use.

3. Connect the Ethernet cable directly to a PC or laptop.

NOTE:

We recommend connecting the appliance to a desktop or a laptop to change the IP address from the Web GUI.

1.3.2 Power OFF sequence

The **Admin > Shutdown** tab enables user to shut down the nVoy Packet Recorder system (Figure 1.12).

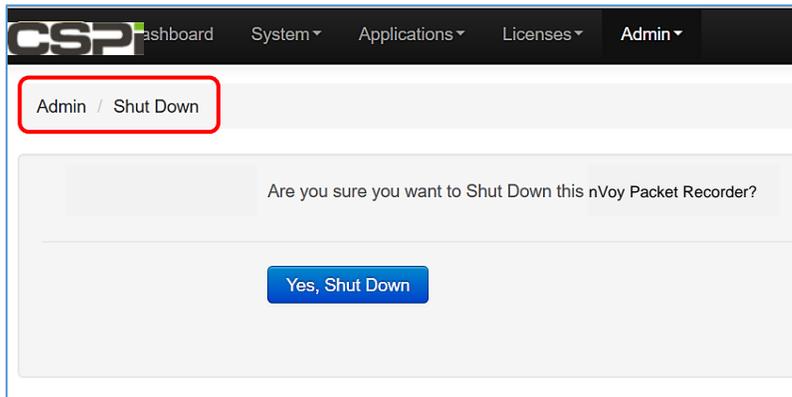


Figure 1.12: Shutting down the nVoy Packet Recorder system.

Click **Yes, Shut Down** to shut down the nVoy Packet Recorder system.

1.4 Checking ARC Series E Network Adapter Connectivity

To ensure ARC Series E network adapter installation is complete, we recommend running the adapter as a standard network adapter, as follows:

1. Attach an SFP+ cable/transceiver from each adapter port to your local 10G switch device.
2. Verify the link LEDs on the ARC Series E network adapter.
3. Verify that the **myri0** and **myri1** network interface indicator LEDs are green on the Dashboard display.

2 CSPi Technical Support

nVoy Packet Recorder technical support, downloads, and user documentation are available from the CSPi website.

nVoy Packet Recorder technical support, downloads, and user documentation

<http://www.cspi.com/ethernet-products/support/downloads>

nVoy Packet Recorder Data Sheets

<http://www.cspi.com/ethernet-products/integrated-solutions>

Contact **CSPi Technical Support** via the CSPi Customer Portal *

<http://www.cspi.com/ethernet-products/support>

* Follow the instructions on the CSPi Customer Portal website to register for a CSPi Customer Support account.

Before you contact our technical support staff, have the following information available:

- Your name, title, company name, phone number, and email address
- Operating system and version number
- Product name and release version
- Problem description

CSPi email support address

support@cspi.com

CSPi

175 Cabot Street, Suite 210

Lowell, MA 01854

Tel: (800) 325-3110

support@cspi.com

<http://www.cspi.com/ethernet-products/integrated-solutions>

3 Limited Warranty

CSPi - Myricom ARC Series-E network adapters come with a one-year warranty on hardware defects. During the first 90 days, from date of purchase, you have full access to our CSPi support team via telephone or email. You will also receive any software upgrades released during that timeframe. Warranty extensions are available, contact your account representative for more information.

Information in this document is subject to change without notice. Copyright 2017 CSP, Inc. All rights reserved.

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission from CSP, Inc.

All copyright, confidential information, patents, design rights and all other intellectual property rights of whatsoever nature contained herein are and shall remain the sole and exclusive property of CSP, Inc. The information furnished herein is believed to be accurate and reliable. However, no responsibility is assumed by CSP, Inc. for its use, or for any infringements of patents or other rights of third parties resulting from its use.

The Myricom, Inc. name and Myricom, Inc. logo are trademarks or registered trademarks of CSP, Inc. All other trademarks are the property of their respective owners

Rev: nPRqs 03/24/2017