



# Introduction

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This section provides an introduction to Prime NAM installation. It has the following section:

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## Introduction

This document describes how to install the Cisco Prime Network Analysis Module (Prime NAM) software on a Cisco Catalyst 6500 Series Network Analysis Module (WS-SVC-NAM3-6G-K9). It also covers the basic configuration steps to start using Prime NAM software to analyze your network traffic.

The Cisco Prime Network Analysis Module (Cisco Prime NAM is an integrated module that enables network managers to understand, manage, and improve how applications and services are delivered to end users. NAM 3 is supported on Catalyst 6500 series and Catalyst 6807 switches.

The Cisco Prime NAM offers flow-based traffic analysis of applications, hosts, and conversations, performance-based measurements on application, server, and network latency, quality of experience metrics for network-based services such as voice over IP (VoIP) and video, and problem analysis using deep, insightful packet captures. The Cisco NAM includes an embedded, web-based GUI that provides quick access to the configuration menus and presents easy-to-read performance reports on web, voice, and video traffic.

This document covers all aspects of installation of NAM software on a Cisco Catalyst 6500 Series Network Analysis Module (WS-SVC-NAM3-6G-K9):

- Installation from recovery image
- Installation from helper image via the network.

The following summarizes the tasks that you need to perform, and the sections in this guide which explains these tasks:

**Table 1: Installation Overview**

Task	See...
Review installation requirements	<a href="#">Installation Requirements</a>
Install Cisco Prime NAM	<a href="#">Installing Cisco Prime NAM</a>

Task	See...
Perform post installation tasks	<a href="#">Configuring Cisco Prime NAM</a>

## Front Panel Description

The NAM front panel includes a STATUS LED and SHUTDOWN button. The STATUS LED indicates the operating states of the NAM. The following table describes the front panel and LED operation.

**Table 2: Front Panel Descriptions**

Number	Name	Color	Description
1	STATUS LED	Green	The NAM is operational. All diagnostic tests pass.
		Amber	Indicates one of three conditions: <ul style="list-style-type: none"> <li>• The NAM is running through its boot and self-test diagnostic sequence.</li> <li>• The NAM is disabled.</li> <li>• The NAM is the shutdown process (coming up or shutting down).</li> </ul>
		Red	A diagnostic other than an individual port test failed.
		Off	The NAM power is off.
2	ID (Beacon)	Blue	Works as a standard service LED. Available for the operator to turn on so the operational staff can locate the card in a stack.
3	SHUTDOWN button	—	Shutdown pinhole. See <a href="#">SHUTDOWN Button, on page 3</a> .
4	MiniSAS	—	Mini-Serial Attached Storage port.

Number	Name	Color	Description
5	Link Status LEDs	Bi-color	Ethernet port link status. Standard Ethernet Link Status LED conditions.
6	SYNC	—	1 GE 1588 Sync port.
7	MGMT	—	Management port currently not used.
8	PORT 1	—	10 GE SFP+ FCoE port.

## SHUTDOWN Button



### Caution

Do not remove the NAM from the switch until the NAM has shut down completely and the STATUS LED is orange. You risk disk corruption if you remove the NAM from the switch before the NAM completely shuts down.

To avoid corrupting the NAM hard disk, you must correctly shut down the NAM before you remove it from the chassis or disconnect the power. This shutdown procedure is normally initiated by commands entered at the supervisor engine CLI prompt or the NAM CLI prompt.



### Note

If disk corruption occurs, you can recover the disk by upgrading the application image again with the --install option.

If the NAM fails to respond to these commands properly, press the SHUTDOWN button on the front panel to initiate the shutdown procedure.

The shutdown procedure may require several minutes. The STATUS LED turns off when the NAM shuts down.

