

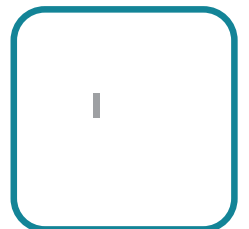




# Network Analysis Module

## Technology Design Guide

April 2014





# Preface

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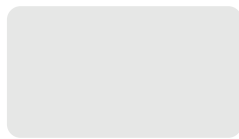








*Figure 1 - Cisco Prime NAM providing network and application intelligence in Cisco Validated Design*





## Cisco Prime NAM Data Sources and Export Capabilities

In the context of Cisco Prime NAM, a data source refers to a source of traffic for which the entire stream, or summaries of data from that stream, is sent to Cisco Prime NAM for monitoring. Cisco Prime NAM can monitor a variety of data sources and compute appropriate metrics. The following figure provides a snapshot of all possible sources of data, and also the various export mechanisms supported by Cisco Prime NAM.

*Figure 2 - Data sources for Cisco Prime NAM*



# Deployment Details

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Step 8:













## Configuring the Cisco Catalyst 6500 Series NAM-3

1. Install Cisco NAM-3
2. Log in to NAM Traffic Analyzer GUI
- 3.



Step 4:

Step 8:

Step 13:





Step 2: Verify the







## Configuring the Cisco Prime NAM 2320 Appliance

1. Connect the management port
2. Connect a console terminal
3. Connect the monitoring ports
- 4.



**Step 3:** Configure Cisco NAM for network connectivity.

```
ip address [ip-address] [subnet-mask]
ip gateway [ip-address]
ip domain [domain-name]
ip host [name]
ip nameserver [ip-address]
```

### Example

```
root@nam.localdomain# ip address 10.4.174.4 255.255.255.248
root@nam.localdomain# ip gateway 10.4.174.1
root@nam.localdomain# ip domain
```









Step 5:

Step 4:













**Step 16:** Verify the network configuration is as follows:

```
root@nam-sre.cisco.local# show ip
IP address:          10.5.0.18
Subnet mask:         255.255.255.252
IP Broadcast:        10.5.0.19
IP Interface:        Internal
DNS Name:            nam-sre.cisco.local
Default Gateway: 319 0.327 rg/TT0 1 Tf0 Tw T†IP Broadcast:      )T7n0 a NQeerver(s) :
10.5.0.19
```

.7(-5.6(e)9.8(t)-28.1(w)3.8(o)-4.7(r)-10.7(k c)-3.9(o)-4.7(n)6.2(f)-21.3(ig)-2.7(u)-1.1(r)-5.4(a)3.8(s4(a)2.8(e)-5-2

IP Broadcast:

IP Broadcast:





**Step 2:** Enter the following values in the TACACS+ configuration page:

- Enable TACACS+ Authentication and Authorization – selected
-

























**Step 2:** Enter a description of the alarm event. (Example: SharePoint\_rise)

**Step 3:** Under Actions, select **Email**













Step 2:







### Procedure 3 View regional office traffic use

Step 1: Navigate to Monitor > Overview > Site Summary.

Step 2:







Step 5: Select **Enable**, and then click **Submit**.







Step 4:









# Appendix A: Product List

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## Network Management





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