Quick Start 3: Installing and configuring Websense Web Security Gateway v7.7

Websense Support Webinar February 2013

TRITON™

- Web security
- Email security
- Data security
- Mobile security

Presenter

Greg Didier

- Title:
  - Support Specialist
- Accomplishments:
  - 9 years supporting Websense products
- Qualifications:
  - Technical Support Mentor
  - Product Trainer

Goals And Objectives

- Pre-installation considerations
- Installation steps
  - V-Series appliance
  - Red Hat Enterprise Linux
- Content Gateway initial configuration
  - Clustering
  - Virtual IP
  - WCCP redirection
  - DNS Proxy caching
  - SSL content inspection
  - Authentication

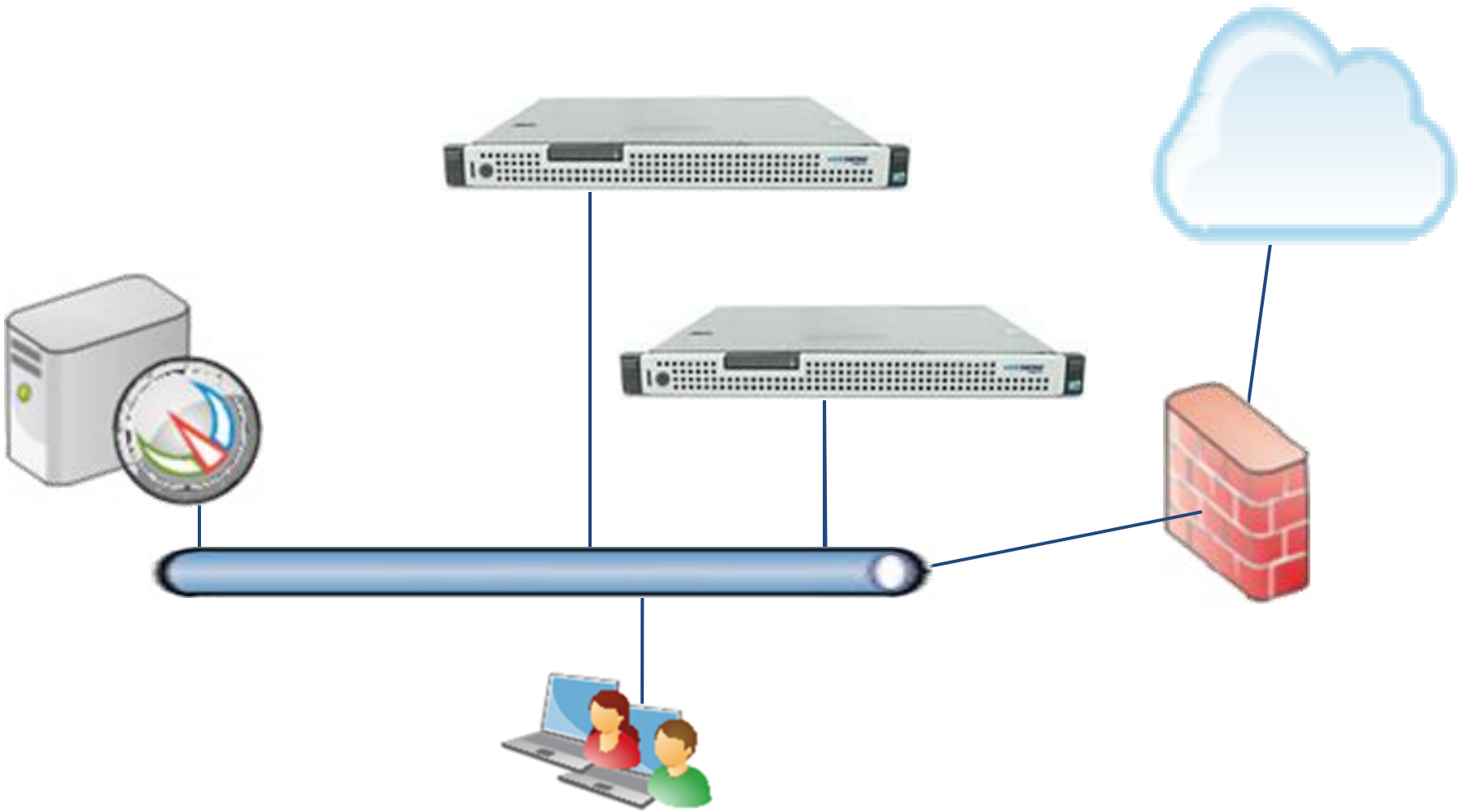
Deployment Considerations

- Websense Content Gateway deployment options
  - As a Web proxy cache
    - Content Gateway serves the content directly
  - In a cache hierarchy
    - Internet requests can be routed to other regional caches
  - In a managed cluster
    - Cluster nodes automatically share configuration information
  - As an SSL server
    - HTTPS data is decrypted, inspected, and then re-encrypted
  - As a DNS proxy cache
    - Reduces response times for DNS lookups

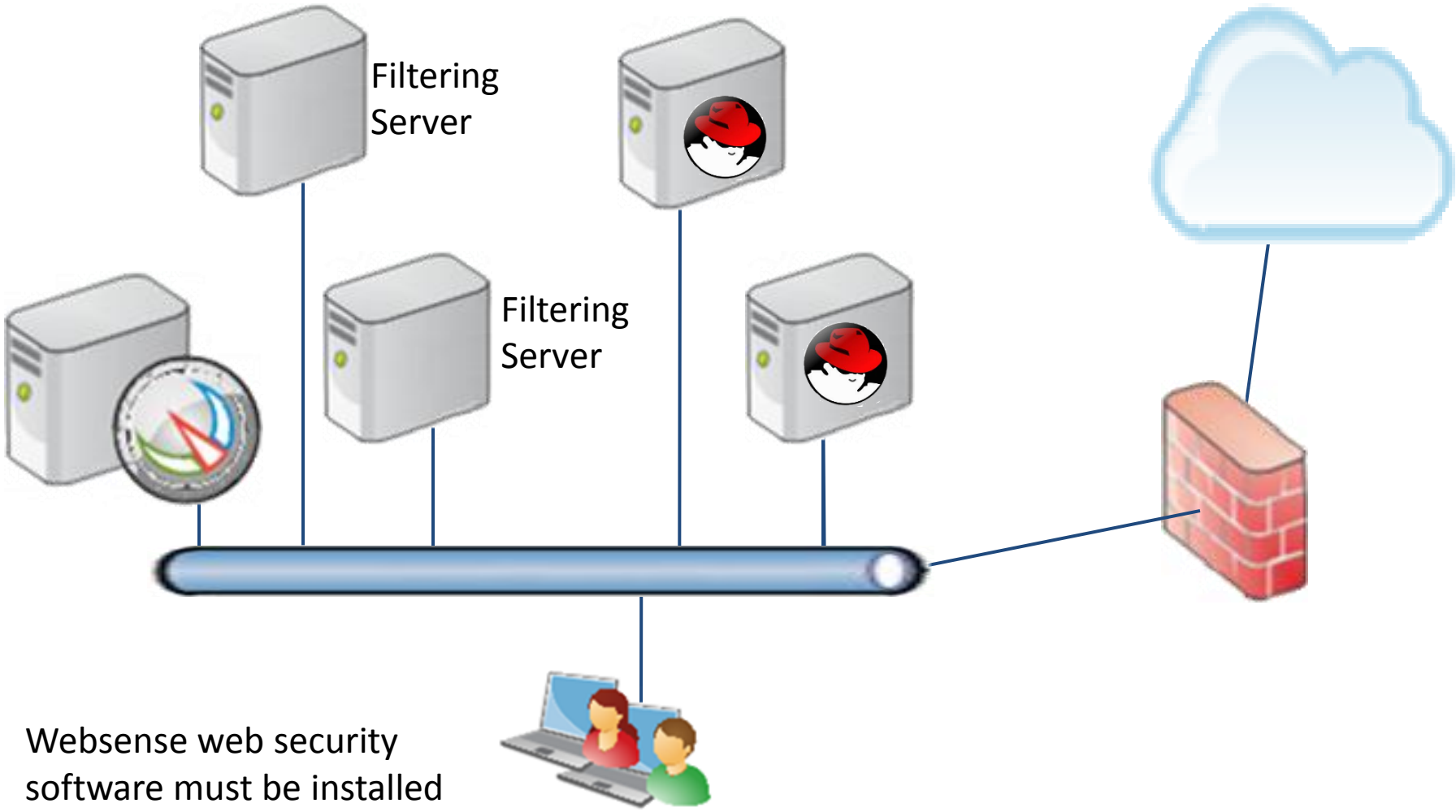
Deployment Considerations

- Proxy platforms
  - V-Series appliance
  - Software
- Sending traffic to the Content Gateway web proxy
  - Explicit proxy
  - Transparent proxy

Deployment Considerations



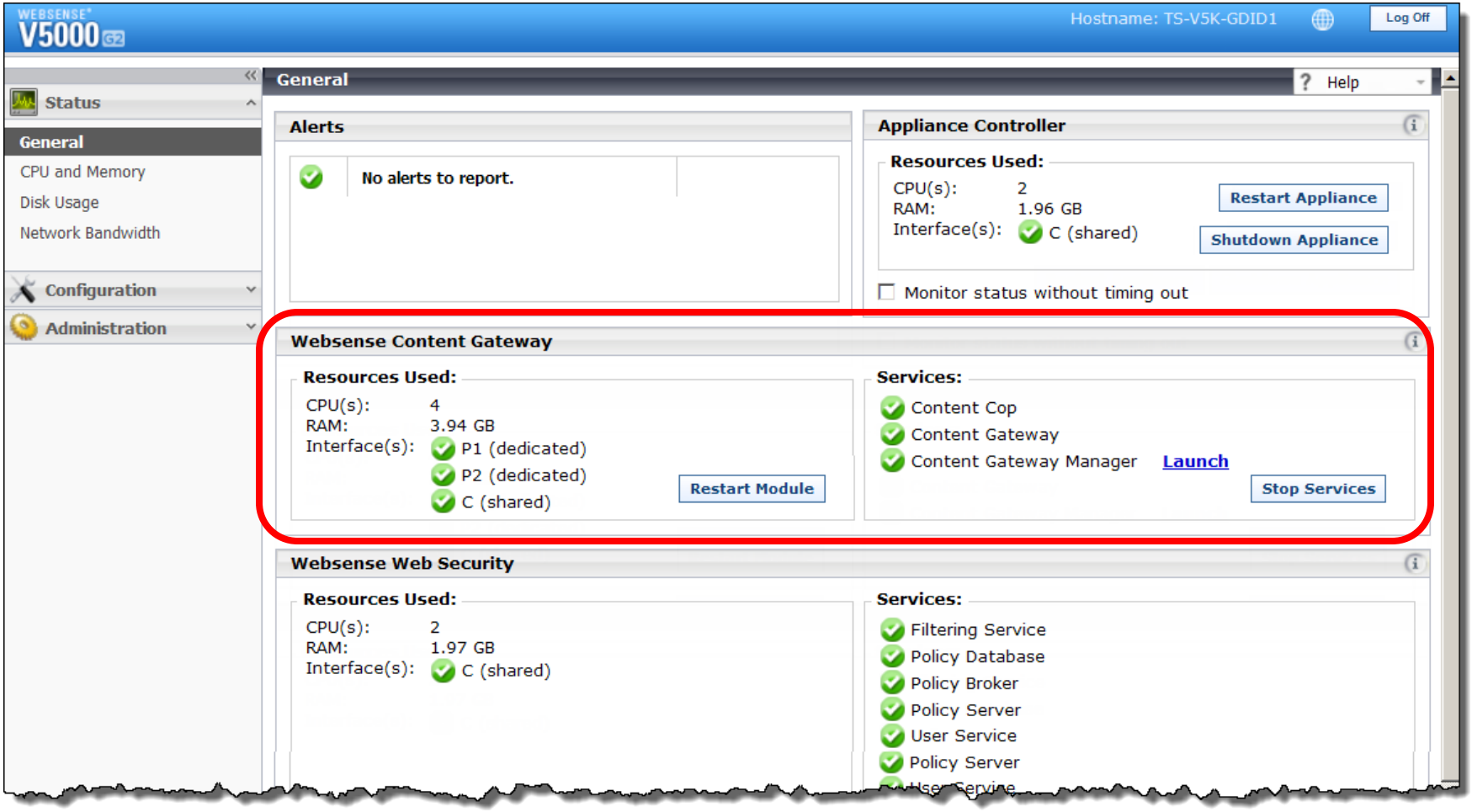
Deployment Considerations



Websense web security software must be installed prior to Content Gateway.

V-Series appliance

- Websense Content Gateway is the web proxy for Web Security Gateway

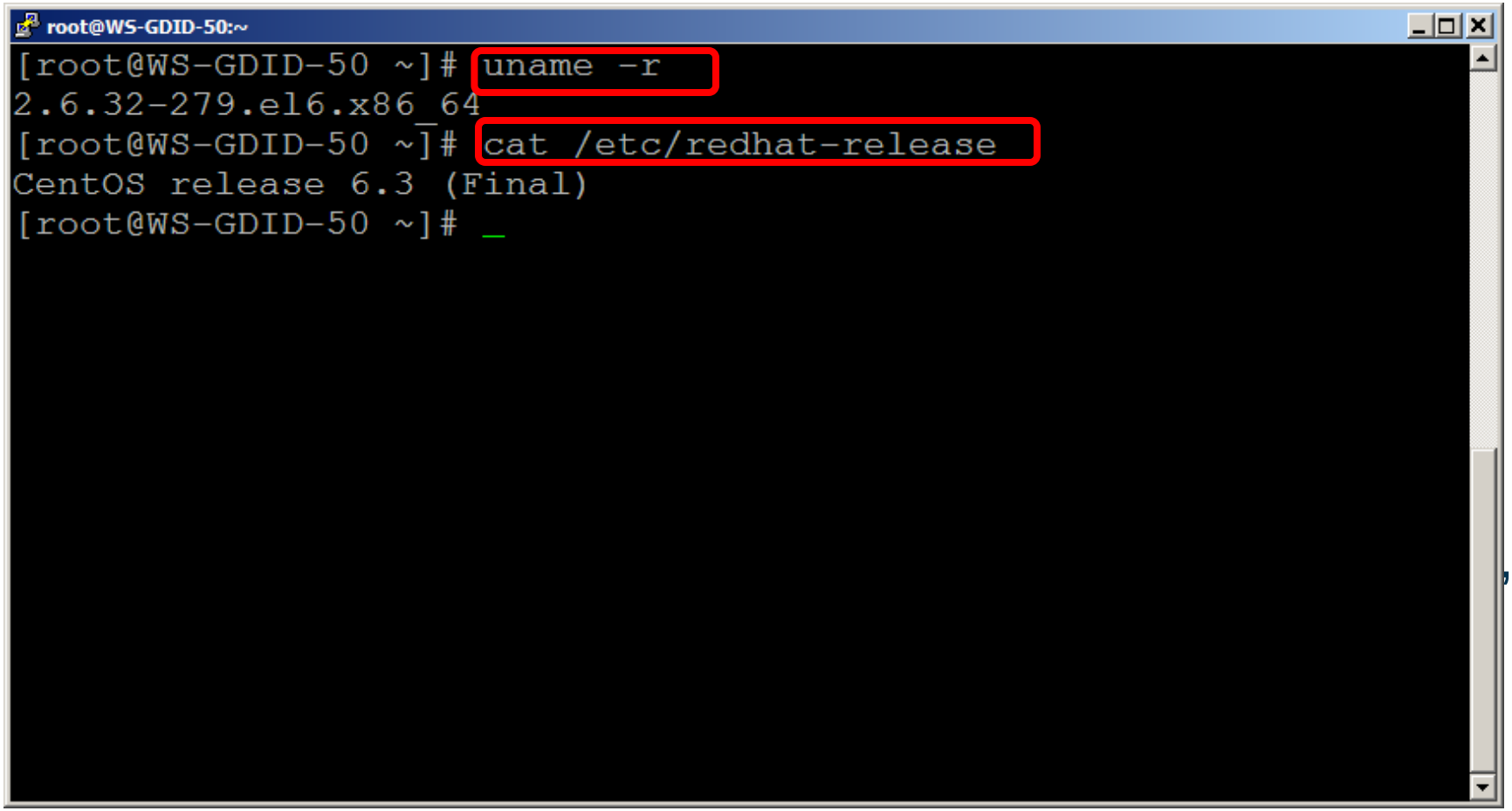


Red Hat Server Configuration

- Verify system hardware requirements
- Verify kernel version support
  - Websense Content Gateway v7.7.3 is certified on:
    - Red Hat Enterprise Linux, 6 series, updates 0, 1, 2, and 3, Basic Server, 64-bit
      - » Kernel version for 6.0: 2.6.32-71
      - » Kernel version for 6.1: 2.6.32-131
      - » Kernel version for 6.2: 2.6.32-220
      - » Kernel version for 6.3: 2.6.32-279
    - Red Hat Enterprise Linux, 5 series, updates 3, 4, 5, 6, and 7, Basic or Advanced Platform, 32-bit only

Red Hat Server Configuration

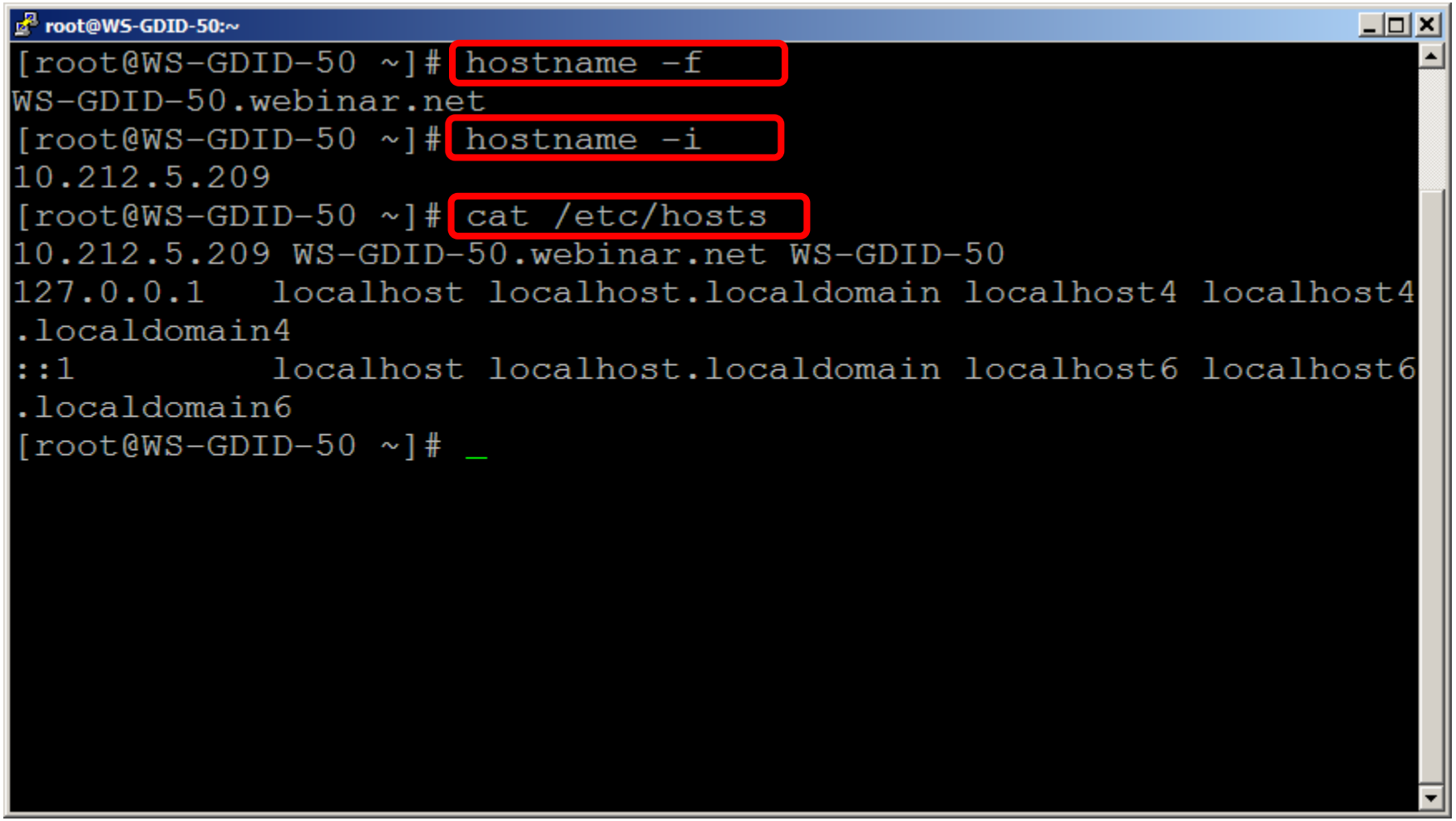
- Verify system hardware requirements
- Verify kernel version support



Red Hat Server Configuration

websense

- Verify the IP address associated with the hostname



Red Hat Server Configuration

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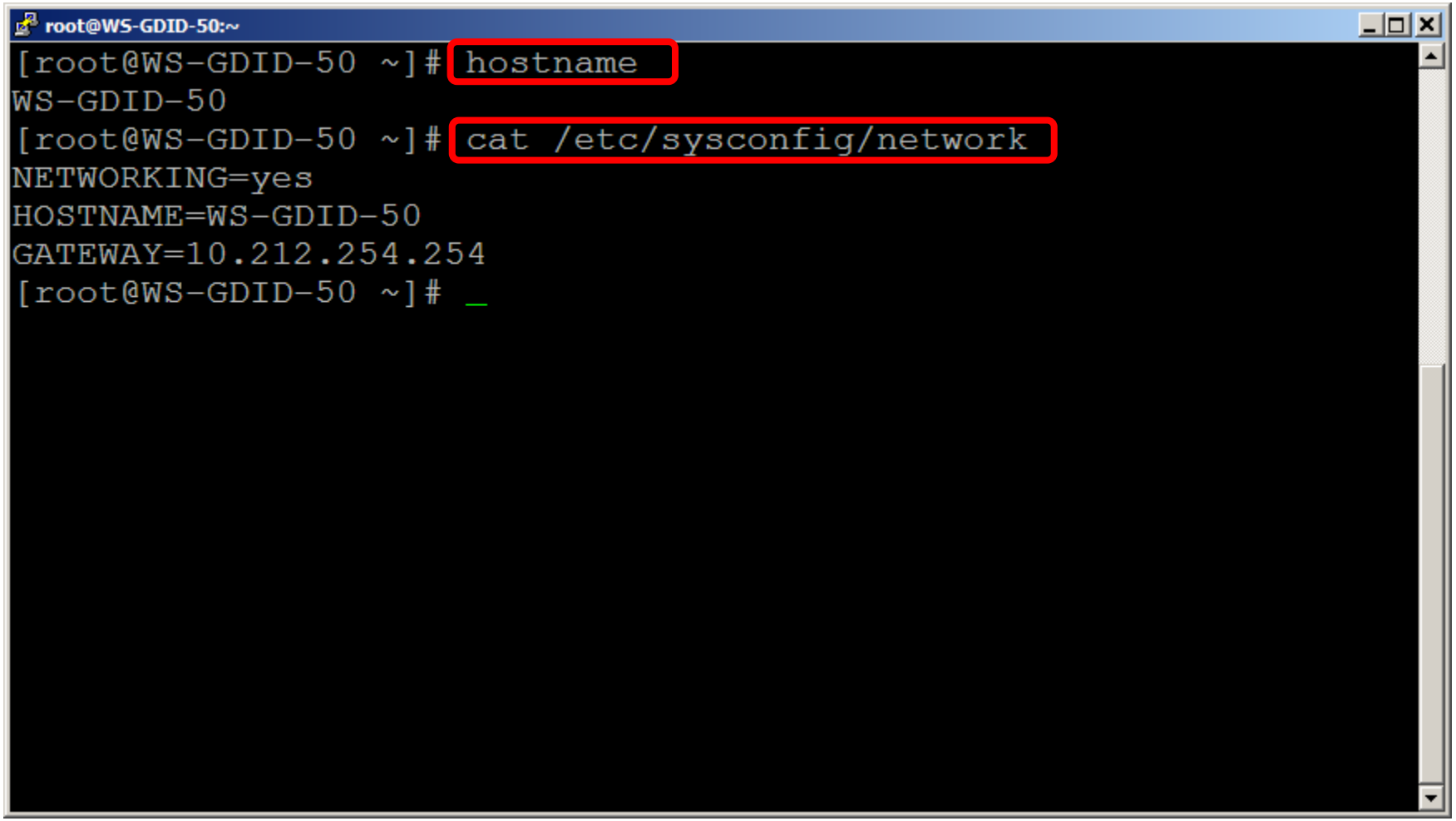
- Verify the hostname and default gateway



Red Hat Server Configuration

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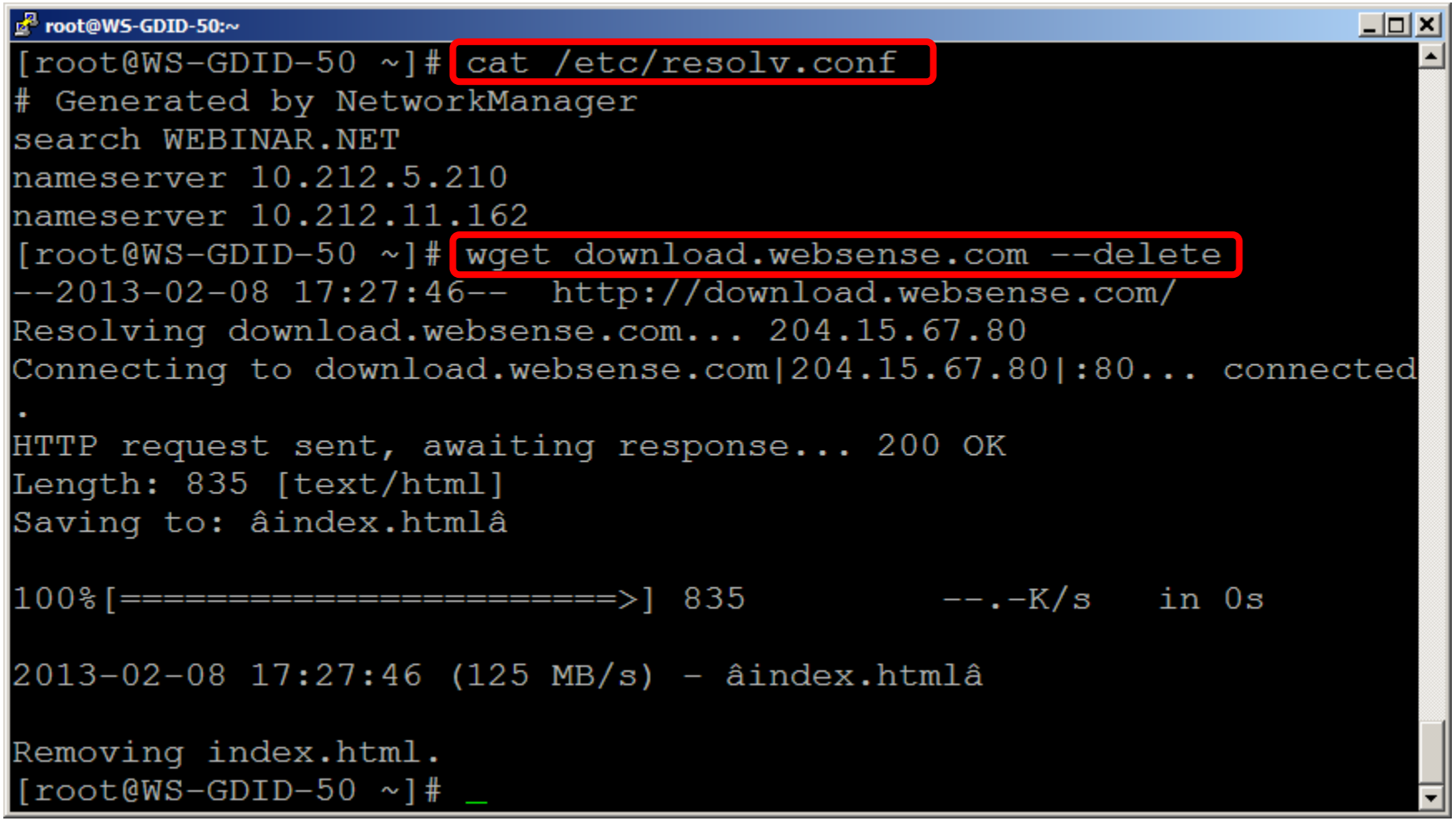
- Verify the DNS specification



Red Hat Server Configuration

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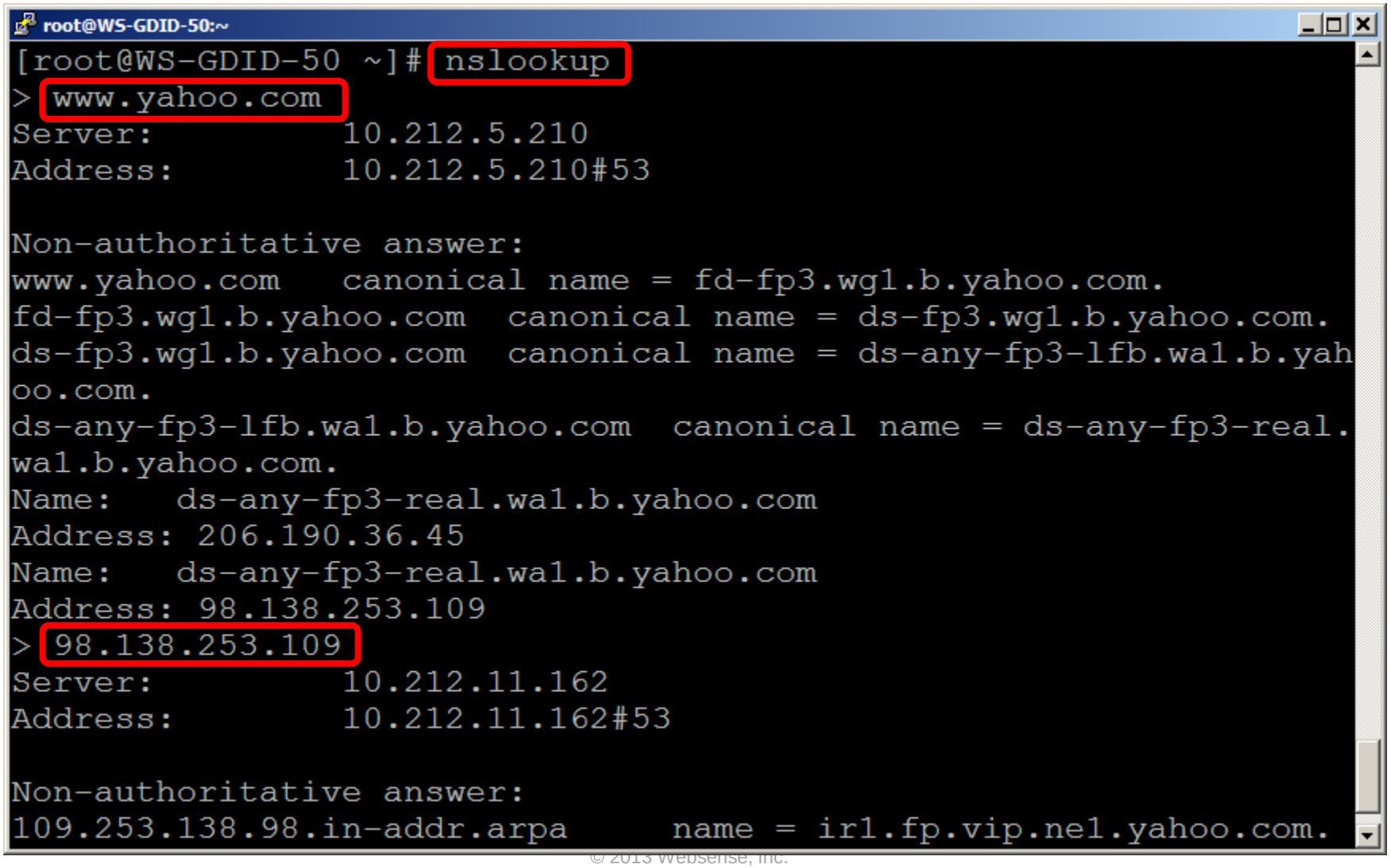
- Verify DNS



Red Hat Server Configuration

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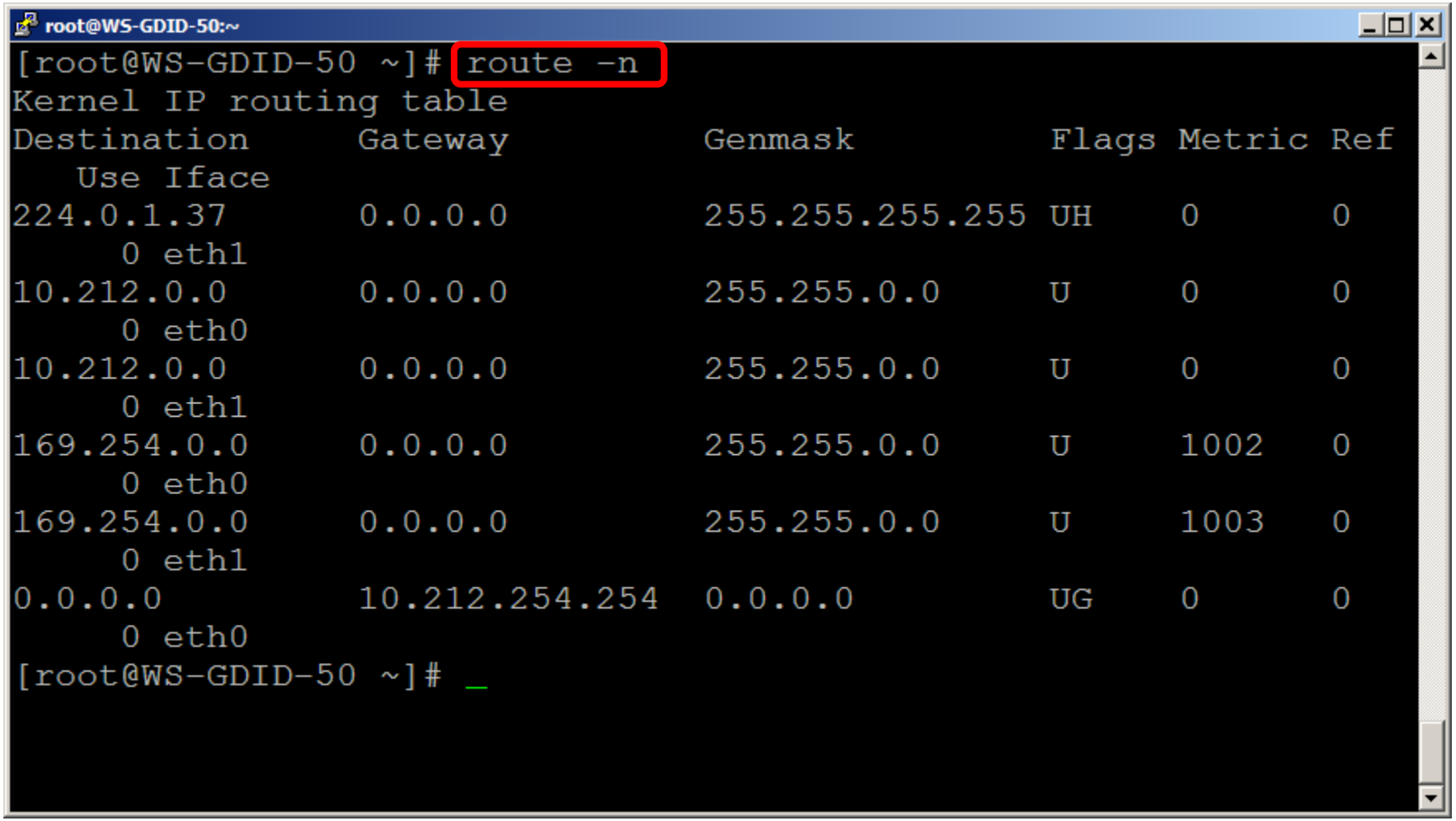
- Verify the routing table



Red Hat Server Configuration

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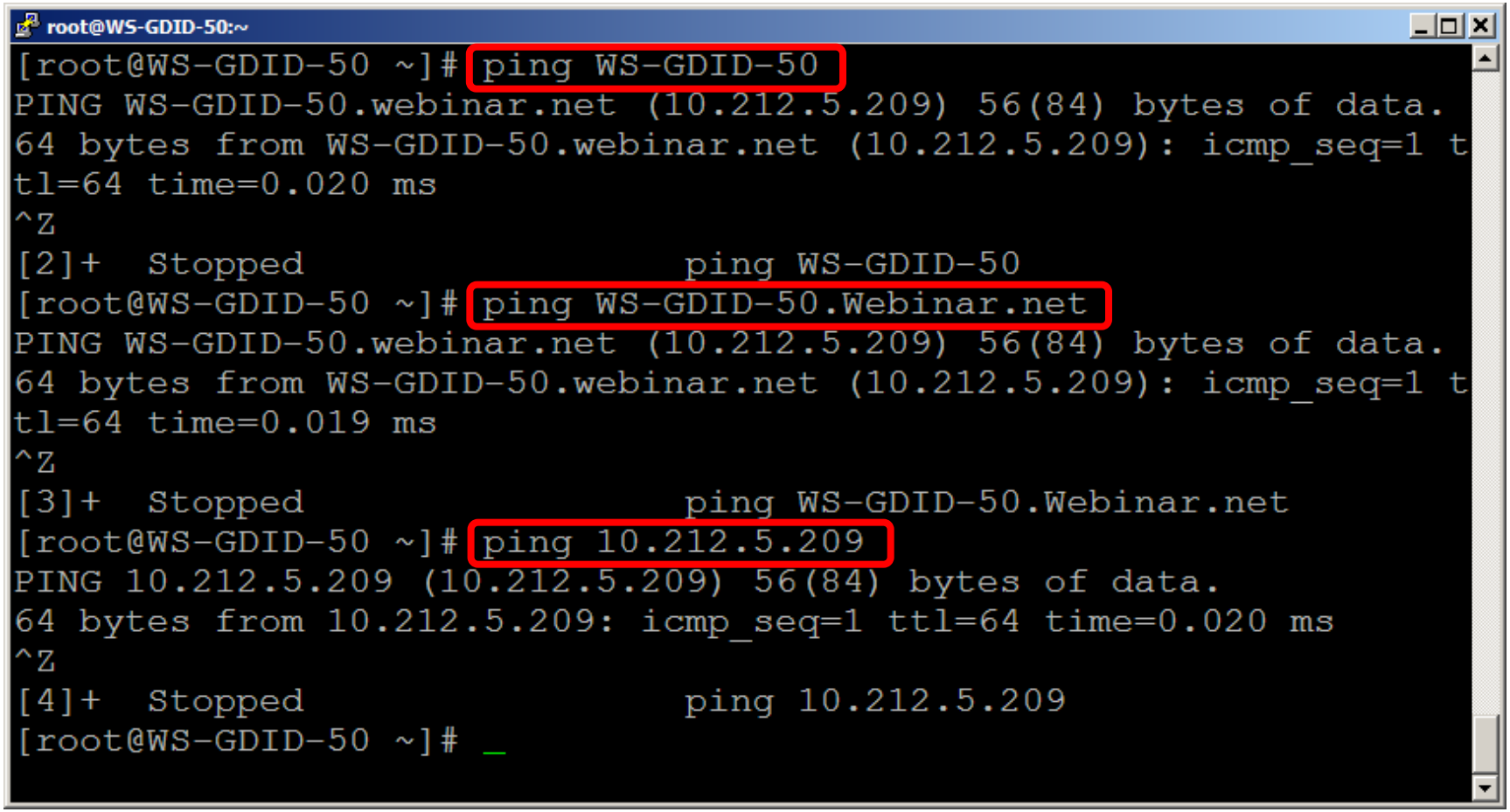
- Test hostname resolution



Red Hat Server Configuration

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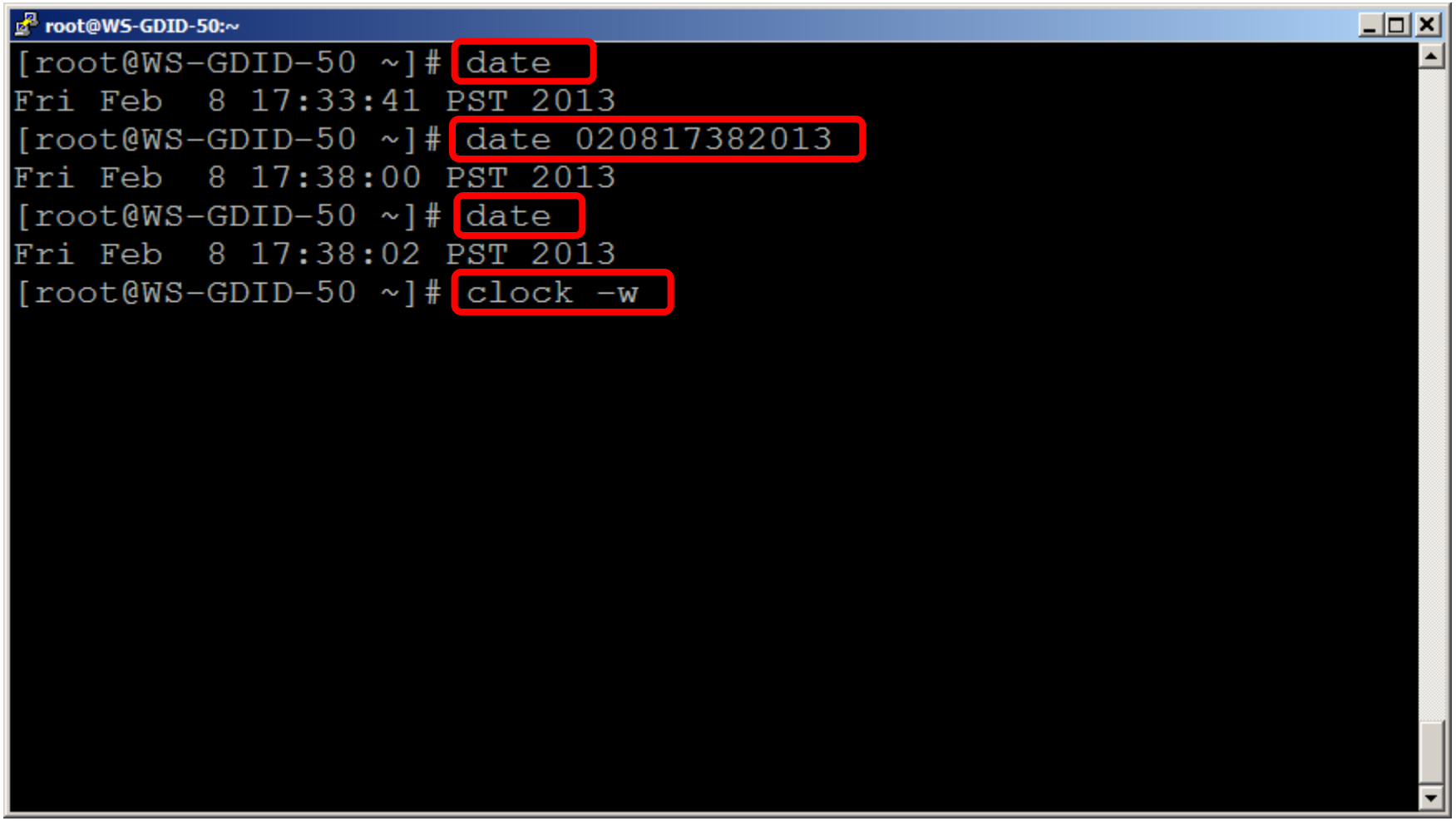
- Verify the date and time



Red Hat Server Configuration

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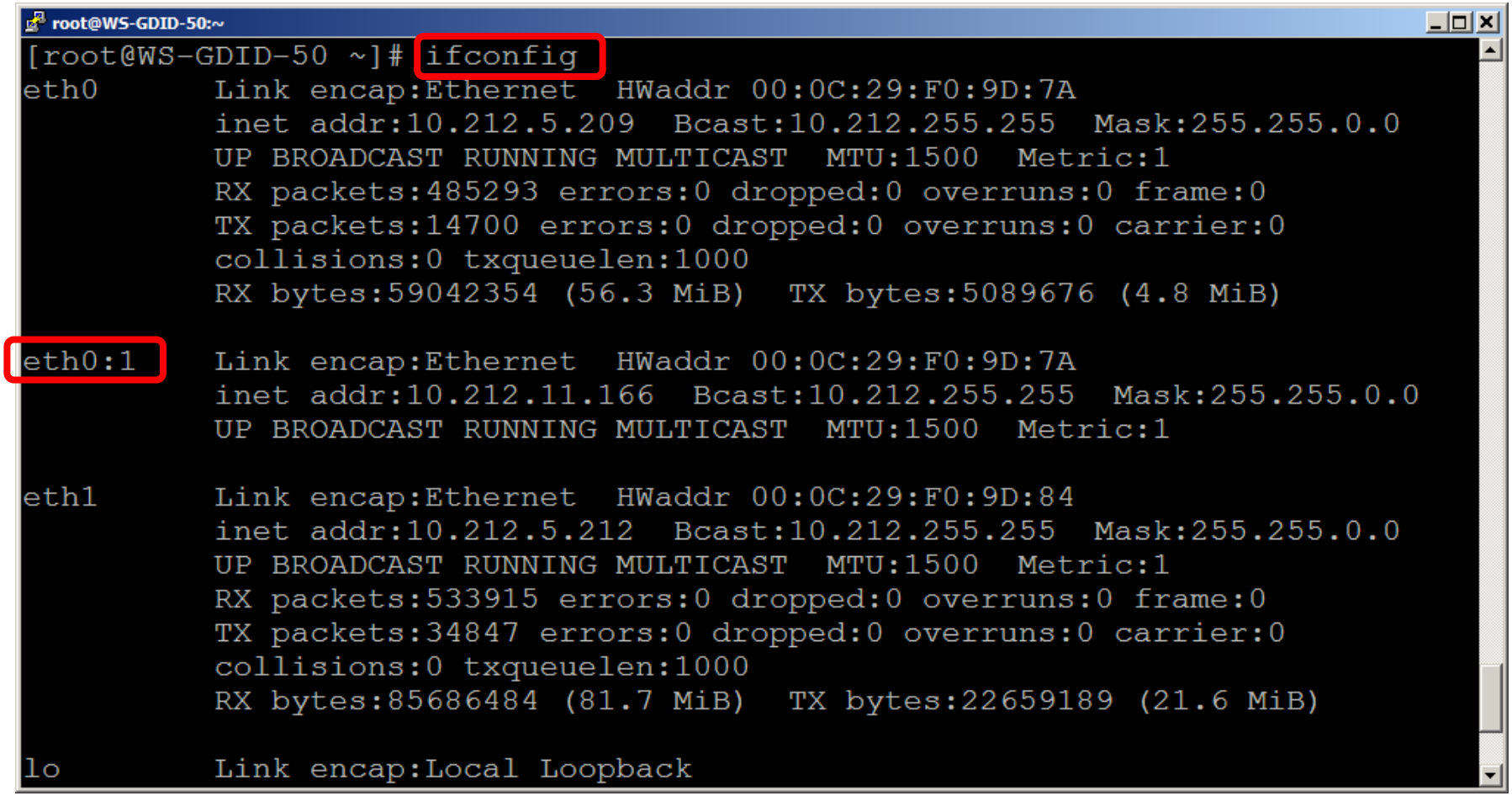
- Verify the network interface configuration



Red Hat Server Configuration

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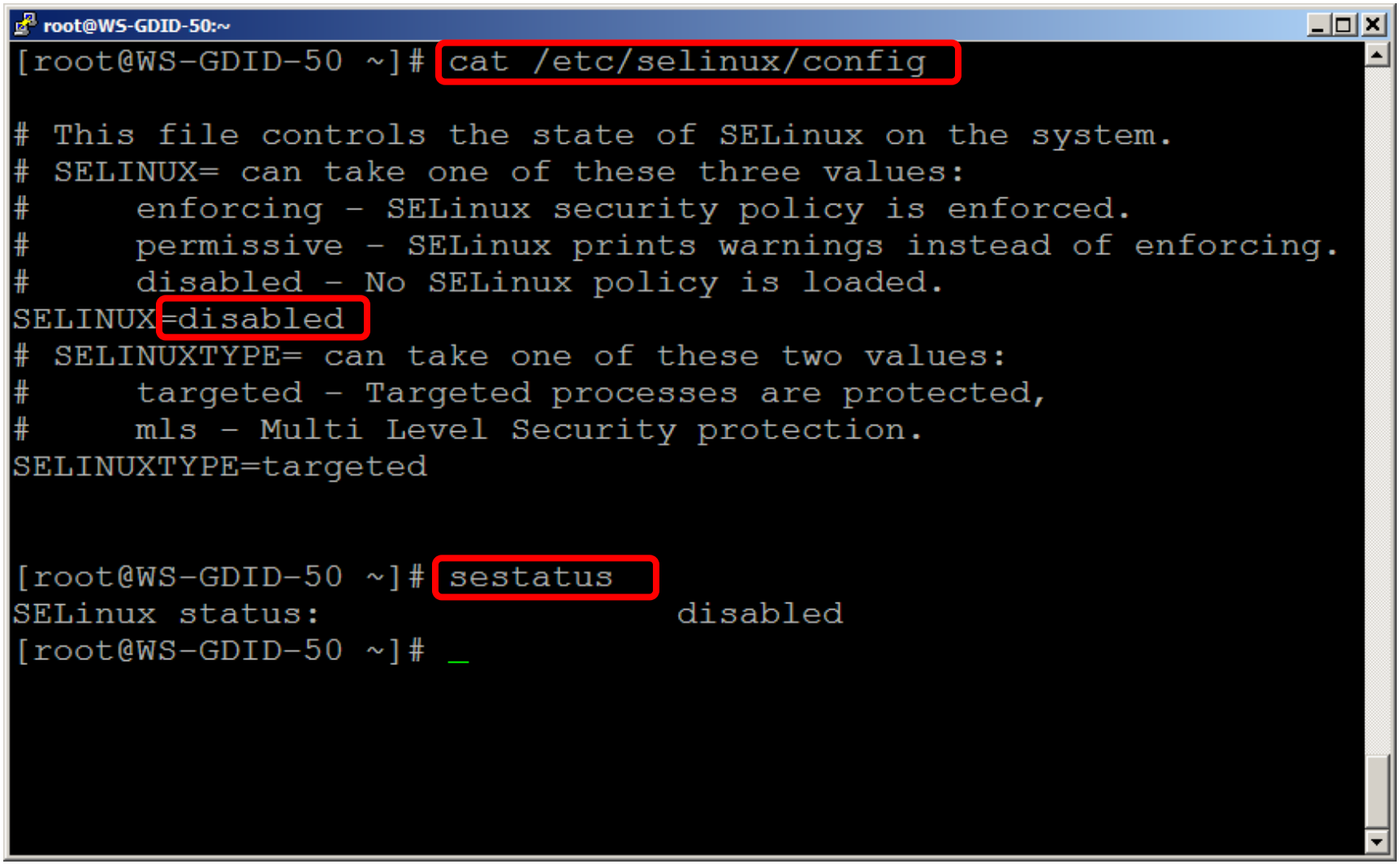
- Verify that SELinux is disabled



Red Hat Server Configuration

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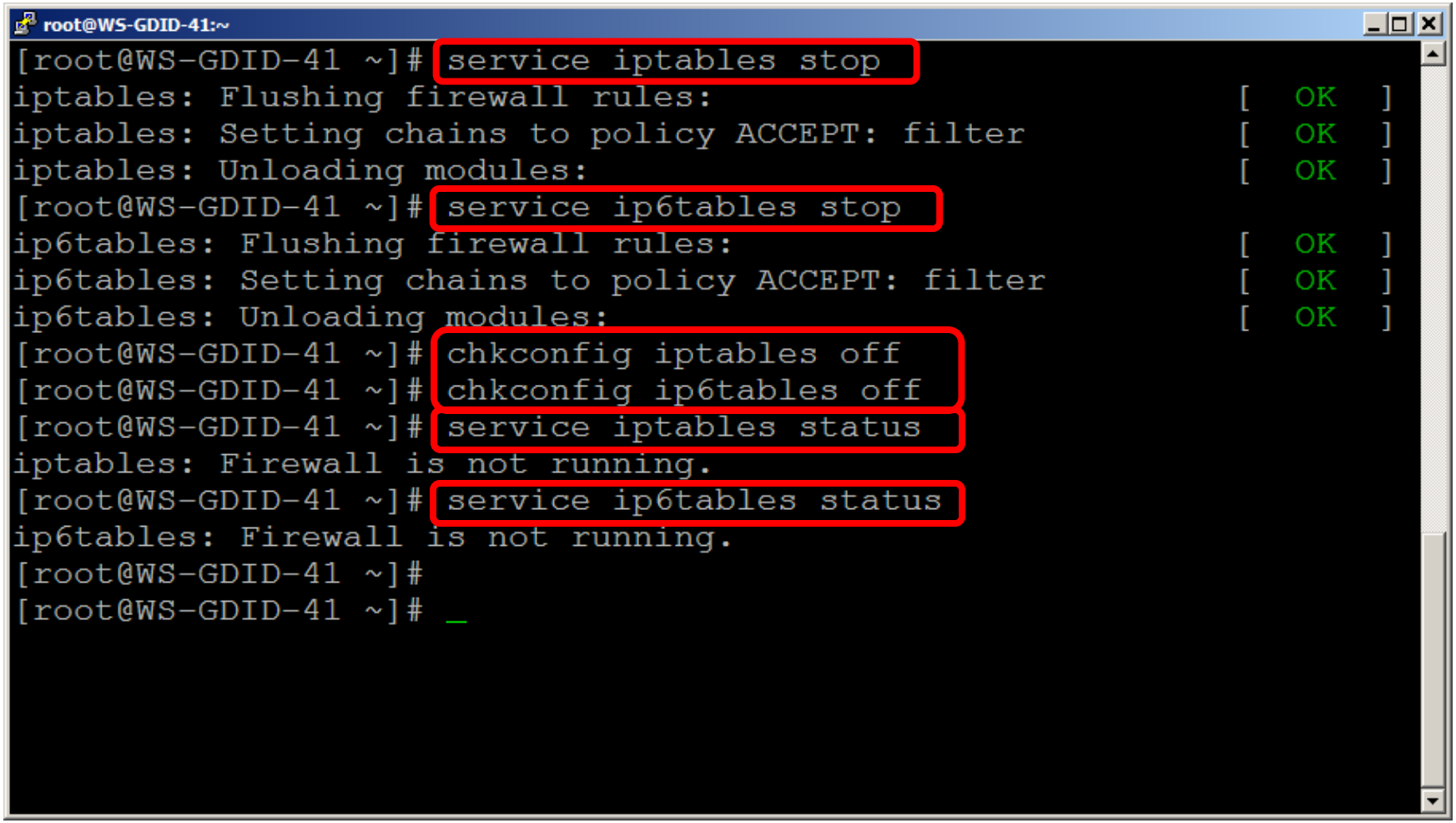
- Verify the IPTables are stopped

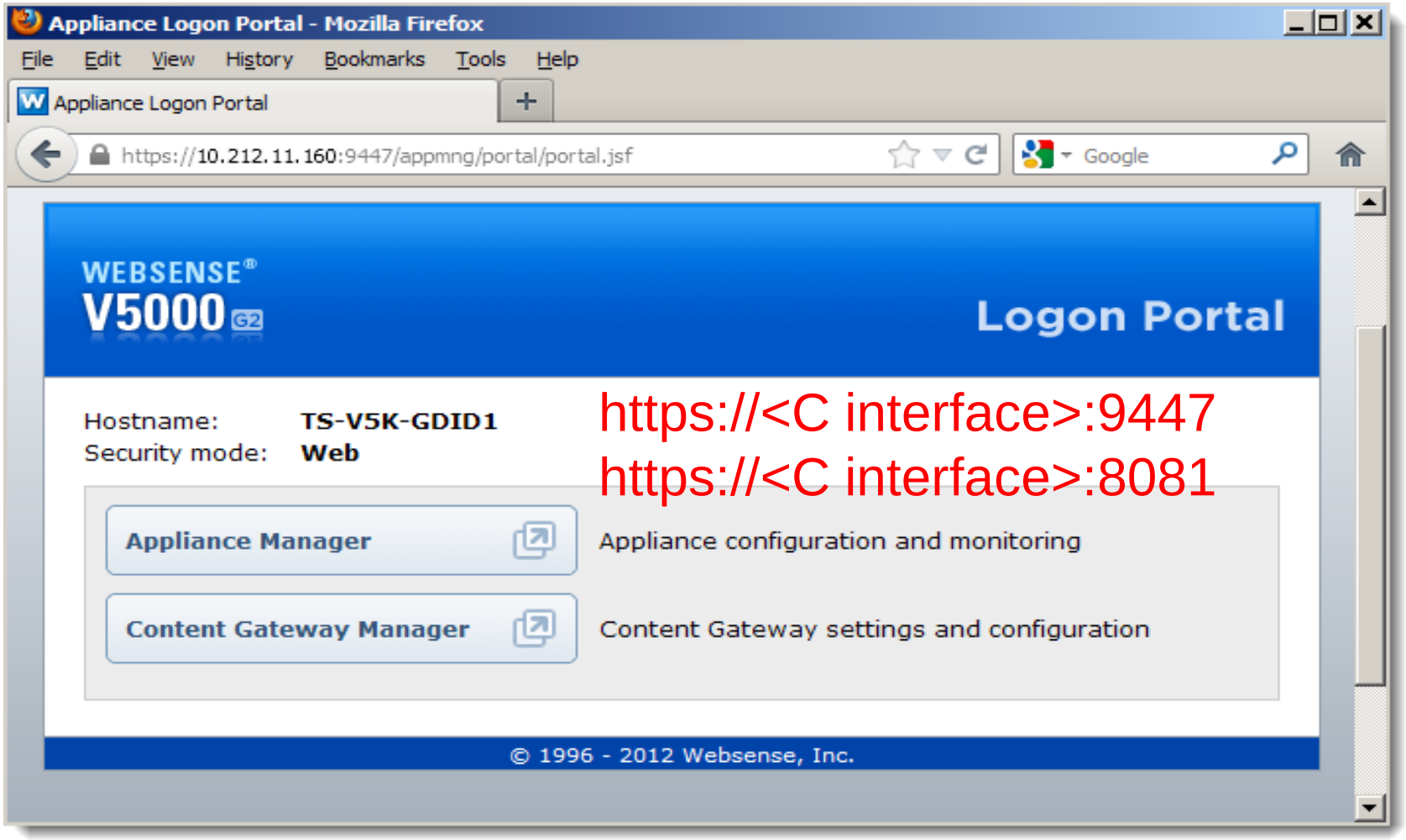


Red Hat Server Configuration

- For more suggestions for preparing your Red Hat server for installing Websense Content Gateway, see article:
  - Prepare Red Hat server for Websense Content Gateway installation
  - Deployment and Installation Center
  - v7.7.3 Release Notes for Websense Content Gateway

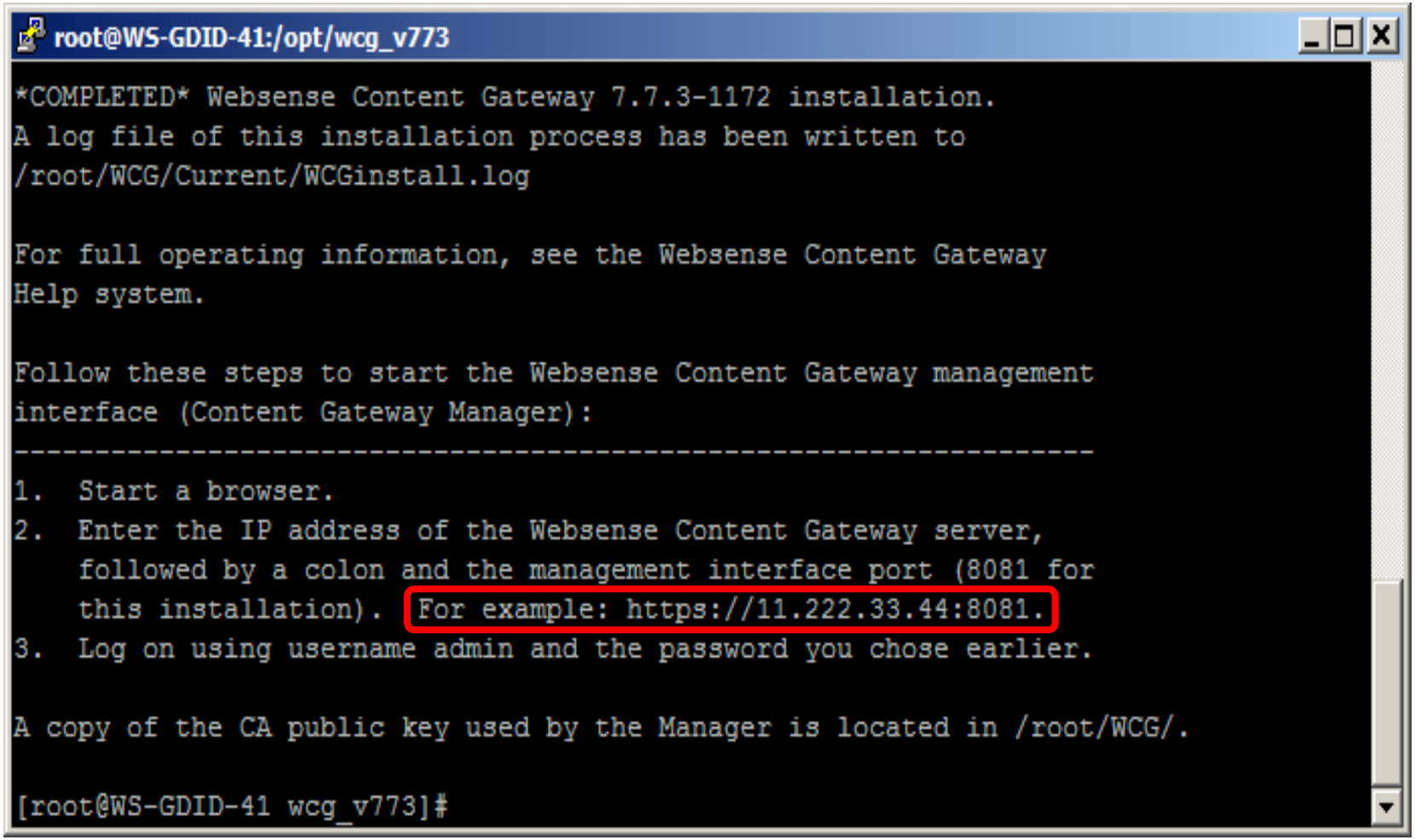
Accessing Content Gateway Manager

- Content Gateway Manager on the V-Series appliance



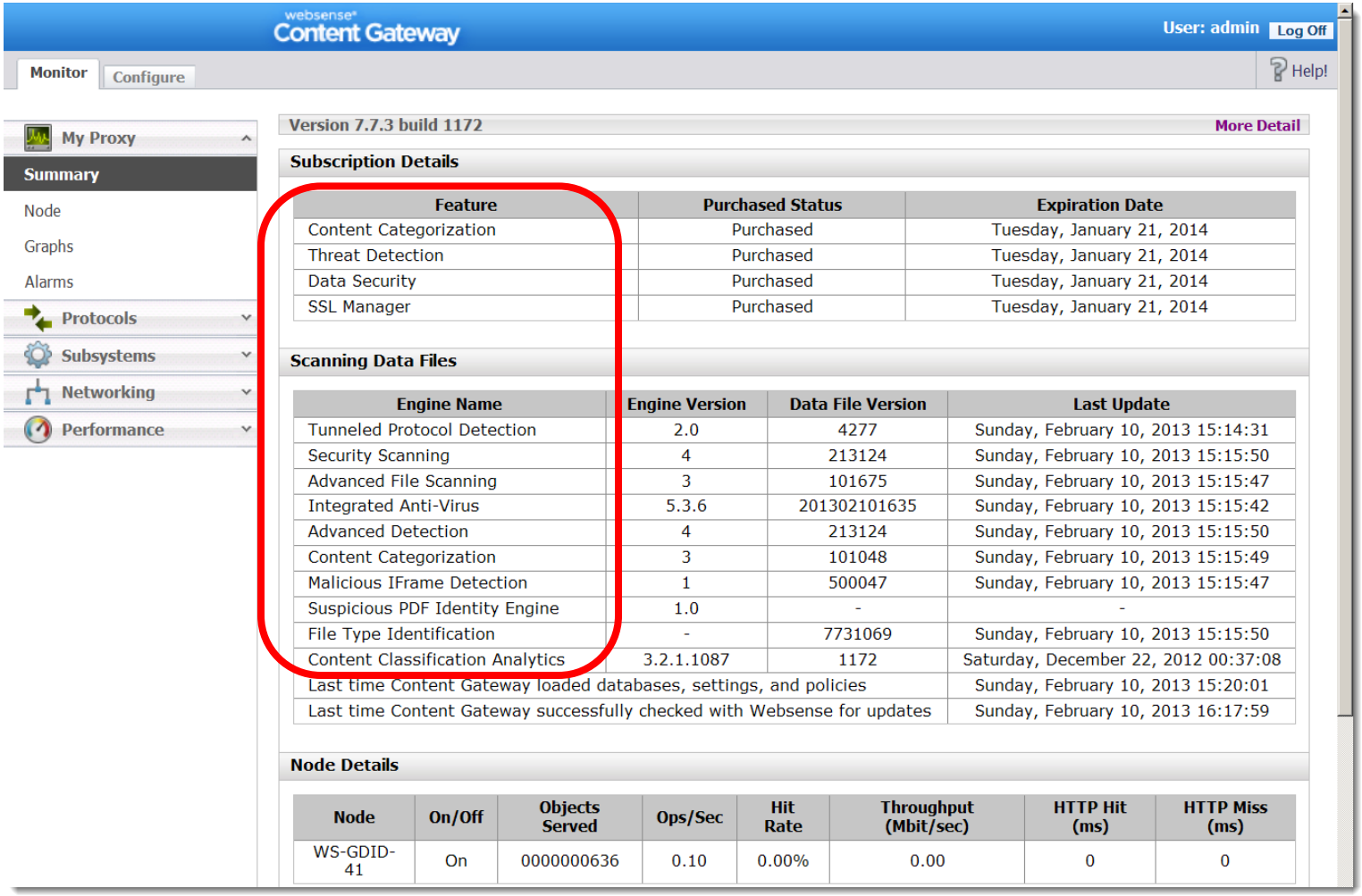
Accessing Content Gateway Manager

- Content Gateway Manager on Red Hat software



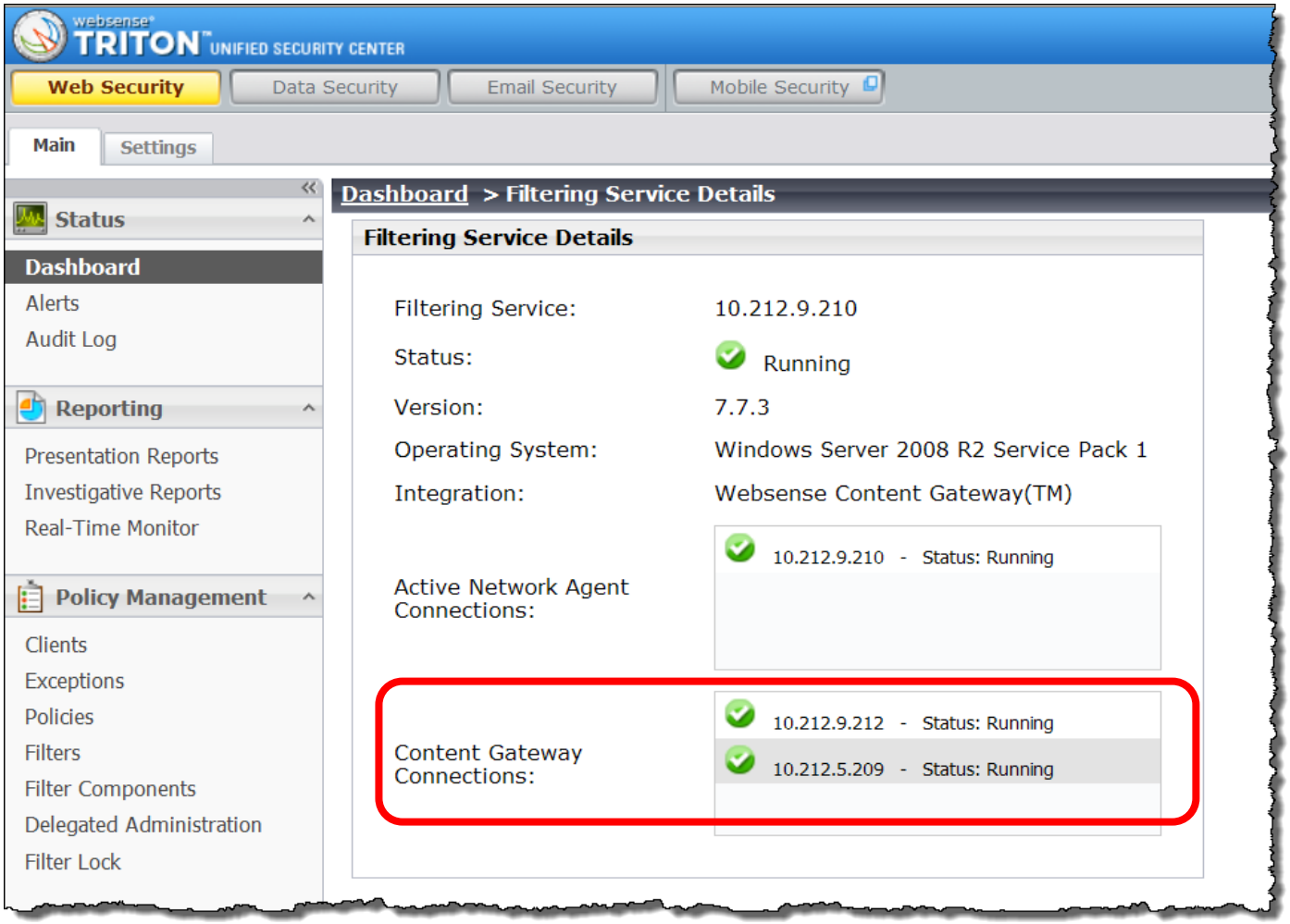
Post Install Check

- Ensure features are enabled and data files downloaded



Post Install Check

- Confirm the Content Gateway successfully registered

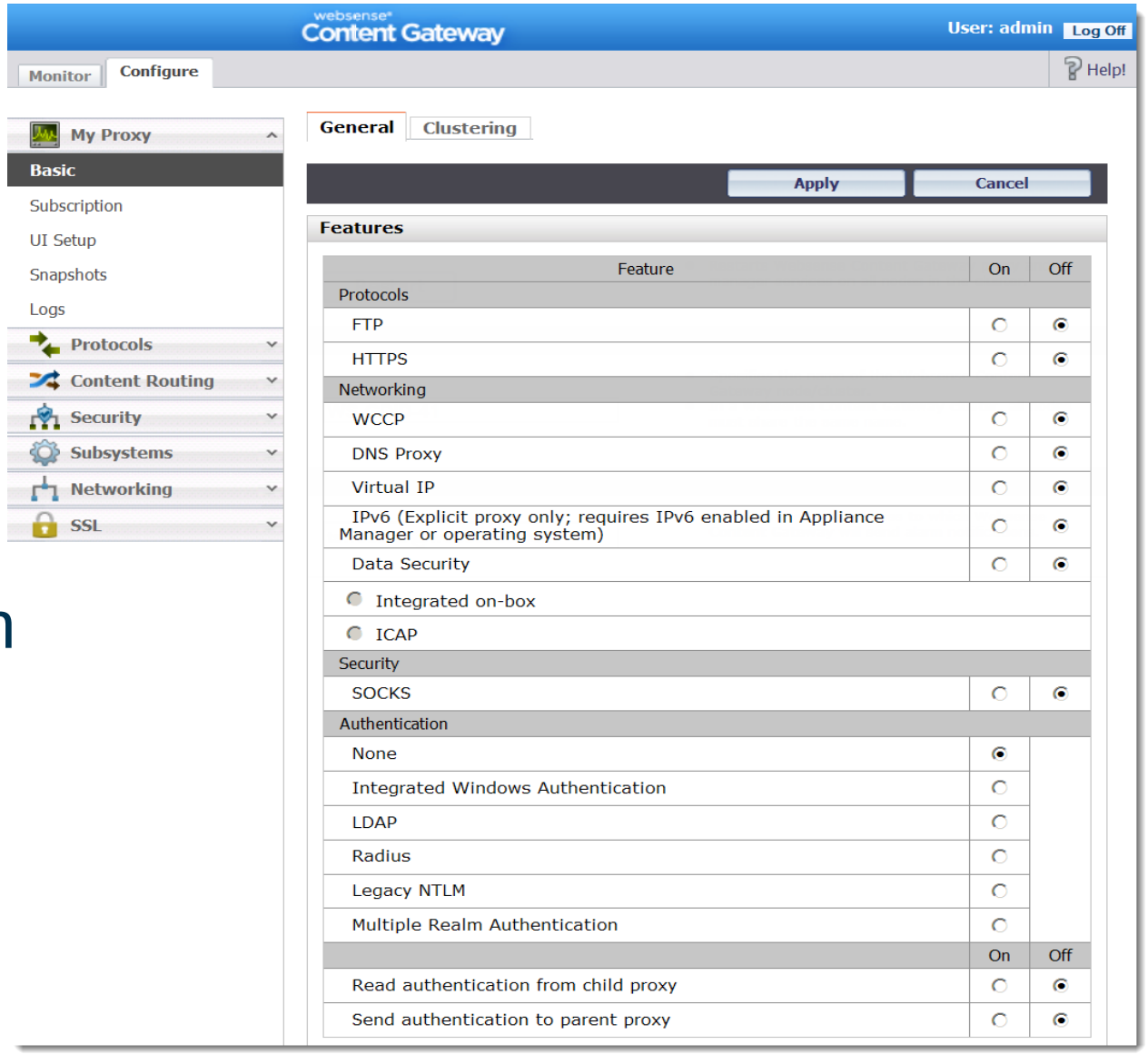


Post Install Check

- After installation and analytic database downloads, Content Gateway is ready to protect your network. For simple testing, no further configuration is required.
- To test, redirect traffic to the web proxy.
  - Explicit proxy (manually point browser)
  - Check Content Gateway graphs for client activity
  - Confirm Filtering Service machine sends a block page
- Demonstration
- The web security block page is a good indicator of a successful installation and of network connectivity.
- Proceed with addition proxy configurations

Enabling Features – Demonstrations

- Clustering
- Virtual IP
- WCCP
- DNS Proxy
- SSL content inspection
- Authentication



Enabling Features

- The Content Gateway is a powerful web proxy. It is best practice to become familiar with Content Gateway features and configurations before placing in a production network.
- When testing new features, it is best practice to deploy Content Gateway in a test environment.
- TIP: For easy testing, you can integrate Content Gateway, residing on a Red Hat server, into your existing Websense Web Security environment.
  - Ensure all Websense components are the same version
  - For testing traffic, redirect a small subset of users
- When confirmed, redirect production traffic

Reference

- System requirements
- Requirements for Red Hat Enterprise Linux
- Preparing to install Websense Content Gateway
- Prepare Red Hat server for Websense Content Gateway installation
- Deployment options
- Content Gateway Ports
- How do I configure IPTables to harden the Content Gateway host system?
- Installing Websense Content Gateway
- Prior WCCP Webinars: Oct 2011 and Dec 2011

Reference

- Content Verification Engine Best Practices
- SSL Manager Certificate Verification Engine v7.7
- Configuring DNS proxy caching
- Content Gateway explicit and transparent proxy deployments
- Content Gateway initial configuration

Upcoming Webinar

websense

Webinar Update

Title:

Quick Start 4: Identifying and Troubleshooting proxy issues for Websense Web Security Gateway

Date:

March 20th, 2013

Time:

8:30 A.M. PDT (GMT -8)

How to register:

http://www.websense.com/content/SupportWebinars.aspx

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