

TESTING & INTEGRATION GROUP

SOLUTION GUIDE

Radware WSD and Microsoft LCS Servers

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Introduction

Live Communications Server 2005 delivers instant messaging and presence as part of a scalable, enterprise-grade solution offering enhanced security, seamless integration with Microsoft Office Communicator 2005 and other Microsoft products, and an extensible, industry-standard development platform. Your organization can realize cost savings and improved business efficiencies, increased individual productivity and enhanced intellectual property protection with this easy-to-manage, highly available solution. With Live Communications Server 2005, your team can connect with co-workers, partners, suppliers and customers in real time, share critical and time-sensitive information and collaborate with other organizations, even if they use a public IM service provider client, as easily as they do today with co-workers, while taking advantage of built-in security measures to help safeguard your proprietary business information.

Solution Details

This document describes the steps needed to configure Radware WSD for a Live Communications Server 2005 deployment.

Live Communications Server 2005 Enterprise Edition supports high availability by allowing multiple Enterprise Edition servers to run as part of a server pool against a back-end Microsoft SQL Server™ database. Client requests need to be directed to the appropriate Enterprise Edition server to help ensure that the load is balanced evenly across the Enterprise Edition servers. This can be accomplished with a Radware WSD.

Software and Hardware

The following is a list of hardware and WTS software tested to verify the interoperability of the presented solution:

Radware's WSD v.7.54 and up.

Operating System: Windows 2003 Enterprise servers

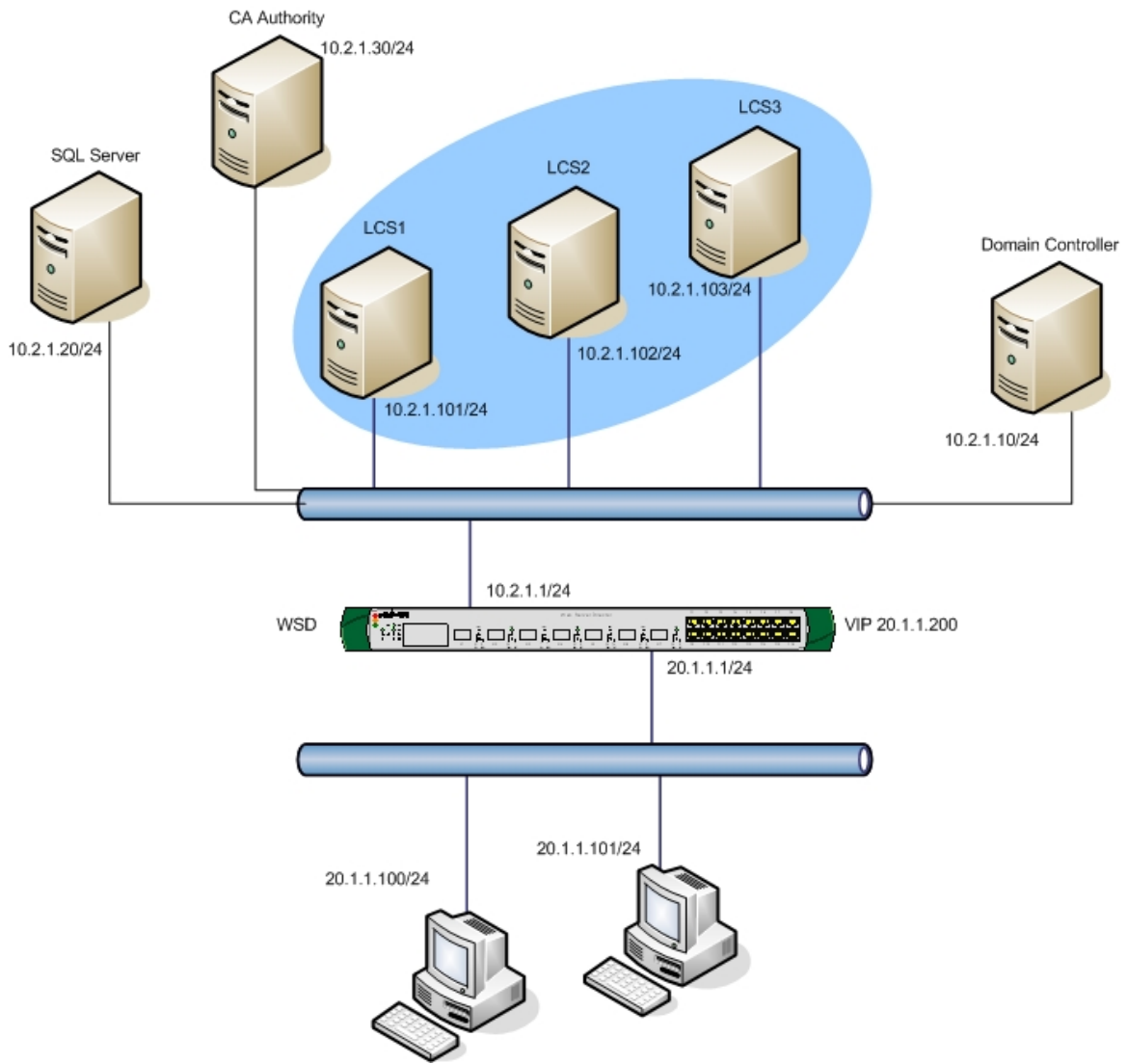
Servers : Microsoft Live Communication server 2005

CA Authority : Microsoft Certification Authority

Database : Microsoft SQL 2000 with SP3a and MS03-031 security fix
(<http://www.microsoft.com/technet/security/bulletin/MS03-031.mspx>)

Clients : Microsoft MSN Messenger v.5.1

Tested network overview



Network Diagram

Configuration

WSD

WSD Network Configuration

- Create IP 10.2.1.1/24 on port 1
- Create IP 20.1.1.1/24 on port 2

WSD Configuration

- Create FARM in **WSD -> Farm -> Farm Parameters** with these parameters:
 - o Farm Name – LCS Cluster
 - o IP Address – 20.1.1.200
 - o Aging time – 60 Seconds
 - o Session Mode – Regular mode
 - o Leave all other fields as default
- Create LCS Server 10.2.1.101 in **WSD -> Servers -> Application Servers** with these Parameters
 - o Servers Address – 10.2.1.101
 - o Server Name – LCS1
 - o Leave all other fields as default
- Create LCS Server 10.2.1.102 in **WSD -> Servers -> Application Servers** with these Parameters
 - o Servers Address – 10.2.1.102
 - o Server Name – LCS2
 - o Leave all other fields as default
- Create LCS Server 10.2.1.103 in **WSD -> Servers -> Application Servers** with these Parameters
 - o Servers Address – 10.2.1.103
 - o Server Name – LCS3
 - o Leave all other fields as default
- Enable Server NAT in **WSD -> NAT -> Server NAT -> Global Parameters** with these Parameters (Server NAT is used for open session from the Server to the Clients)
 - o Server NAT – Enable
 - o Use Specific NAT Address – 20.1.1.200

WSD Health Monitoring

- Enable Health Monitoring for the device in **WSD-> Global -> Connectivity Checks** and in the Check connectivity Status table choose health monitoring.
- Define health checks in the **Health Monitoring -> Check Table** to check each of the Servers 1.1.1.101 1.1.1.102 and 10.1.1.103 using TCP port 5061 (if working with client TLS mode)
- Define health checks in the **Health Monitoring -> Check Table** to check each of the Servers 1.1.1.101 1.1.1.102 and 10.1.1.103 using TCP port 5060 (if working with client TCP mode)
- Bind the WTS servers health checks to the FARM IP in the **Health Monitoring -> Binding Table** and use Mandatory option.

MICROSOFT LCS SERVERS, DOMAIN CONTROLLER AND SQL SERVER**Verify that these steps are done:**

- Active Directory Domain Controller needs to be installed and all other servers need to be member at this domain.
- LCS Servers are installed on Windows 2003 Enterprise edition and using Central SQL Server (please refer to this document [Live Communications Server 2005 Enterprise Edition Deployment Guide](#))
- Add users to the Active Directory that will have LCS media access
- LCS Servers are connected between them with MTLs (Please refer to this document [Live Communications Server 2005 Configuring Certificates](#))

MICROSOFT MESSENGER USER

- Microsoft messenger 5.1 need to be installed on windows 2000 or XP
- Configure the Messenger to work with TCP for non client secure mode or TLS for Secure client mode.
- The user format should be like this david@companyname.com

Technical Support

Radware offers technical support for all of its products through the Radware Certainty Support Program. Please refer to your Certainty Support contract, or the Radware Certainty Support Guide available at:

<http://www.radware.com/content/support/supportprogram/default.asp>.

For more information, please contact your Radware Sales representative or:

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