

Virtual Host

At the end of this module you will be able to:

- ✓ Explain What Is Virtual Hosting?
- ✓ Create Virtual Hosts
- ✓ Configure Virtual Hosts
- ✓ Monitor Virtual Hosts

Understanding Virtual Hosts



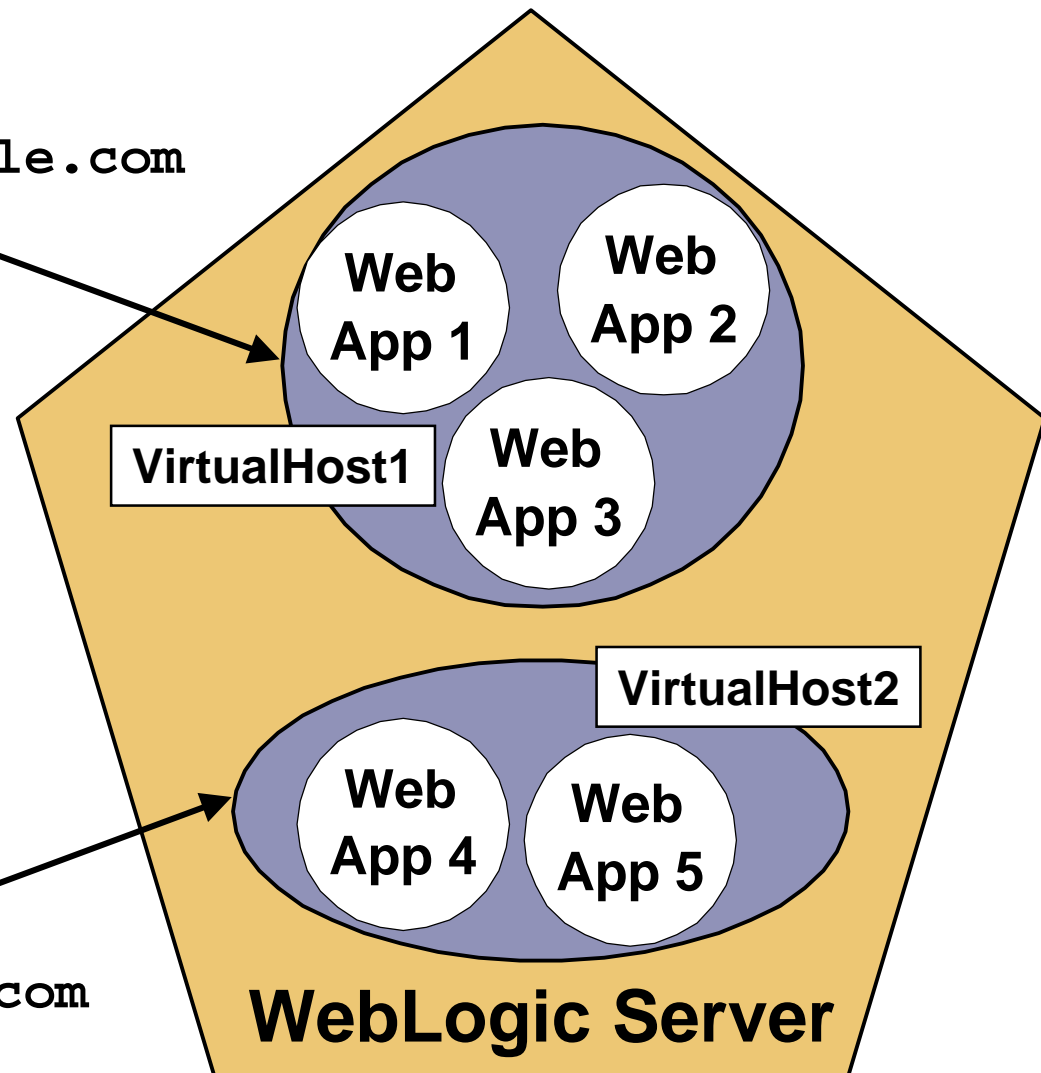
- ▶ Virtual hosts:
 - have one or more Web address associated with them (Domain name and IP address)
 - allow you to make one Web server behave as if it were multiple servers
- ▶ Virtual hosting can be used to allow one Web server to host multiple internal and external corporate sites.
- ▶ It is often convenient to have the same Web server respond to requests for more than one domain name.

The Big Picture of Virtual Hosting



Requests for `www.example.com`

Requests for `www.demo.com`

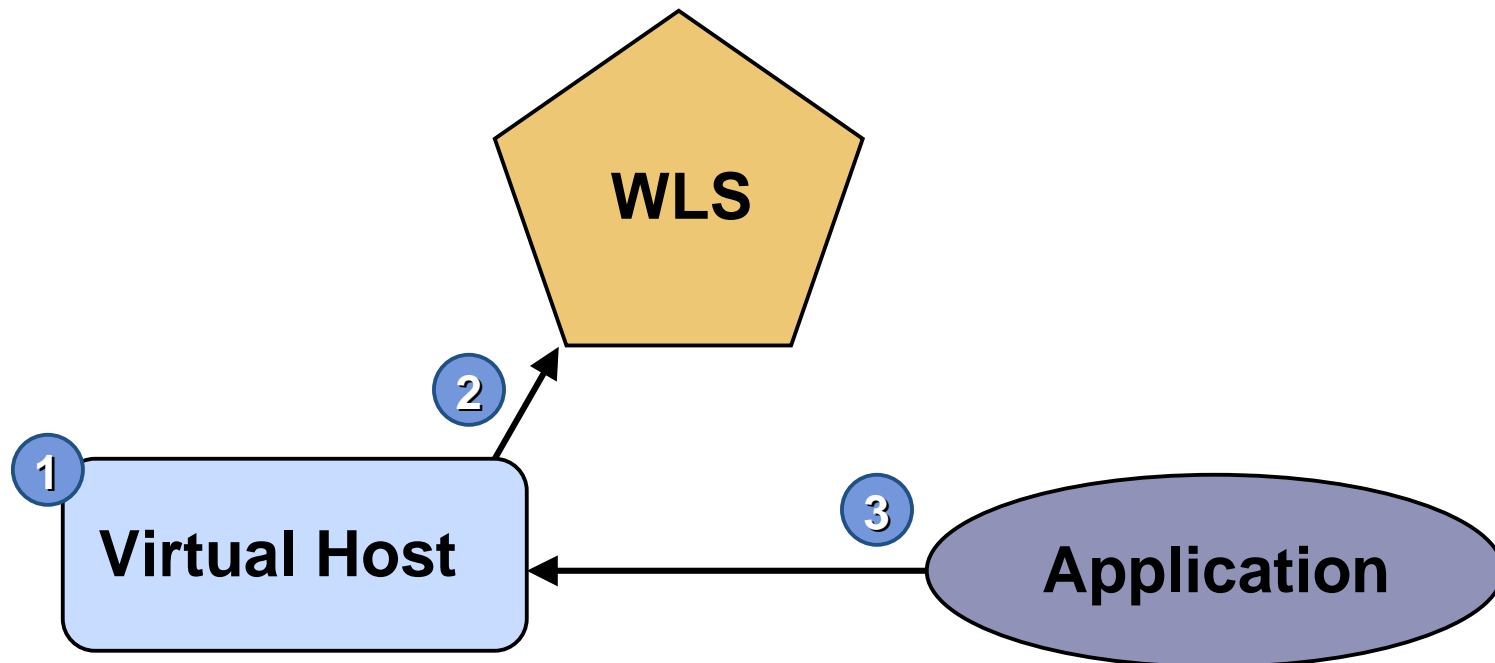


Configuring Virtual Hosts



Steps to configuring a virtual host:

1. Create the virtual host in the Administration Console.
2. Target the virtual host to a server.
3. Target applications to the virtual host.
4. Resolve DNS names in system host file.



Creating Virtual Hosts...



Change Center
[View changes and restarts](#)
Pending changes exist. They must be activated to take effect.
Activate Changes
Undo All Changes

Domain Structure

- humanresources
 - Environment
 - Servers
 - Clusters
 - Virtual Hosts
 - Migratable Targets
 - Machines
 - Work Managers
 - Startup & Shutdown Classes
 - Deployments
 - Services
 - Messaging
 - JDBC
 - Persistent Stores
 - Path Services
 - Foreign JNDI Providers
 - Work Contexts
 - XML Registries

Welcome, system
Home > Summary of Servers > mainserver > Summary of Virtual Hosts > VirtualHost-0 > Summary of Virtual Hosts > **BenefitsHost**
Settings for BenefitsHost
Configuration **Targets** Notes
General Logging HTTP
Save
Use the page to define the general configuration of this virtual host.

Name:	BenefitsHost	TH
Virtual Host Names:	benefits.staplerz.com	TH
Network Access Point Name:		TH Ne be

Targeting Virtual Hosts to Servers



Settings for BenefitsHost

Configuration

Targets

Notes

Save

Use this page to select the servers or clusters on which you would like

Servers

☐ adminserver

☒ mainserver

Save

Targeting Applications to a Virtual Host



Settings for timeoff

Overview Configuration Security **Targets** Control Testing Monitoring Notes

Save

Use this page to select the WebLogic Server instances and clusters, and virtual hosts on which you would like to deploy this Web application.

Servers

☐ adminserver

☐ mainserver

Virtual Hosts

☒ BenefitsHost

Save

Configuring Virtual Host Logging



Settings for BenefitsHost


Configuration **Targets** Notes

General **Logging** HTTP

Save

Use this page to define the logging configuration for this virtual host.

 ☒ **HTTP access log file enabled** Indicates whether this server logs HTTP requests. (The remaining fields on this page are relevant only if this option is selected.)

 **Log file name:** The name of the log file. [More Info...](#)

Rotation

Rotation type: Criteria for moving old log messages to a separate file. [More Info...](#)

Maximum file size: The size (1 - 65535 kilobytes) that triggers the server to move log messages to a separate file. The next time the server checks the file size, it will rename the current log file as FileName.n and that you specify a file rotation type of Size.) [More Info...](#)

Begin rotation time: Determines the start time (hour and minute) for a time-based rotation sequence. [More Info...](#)

Rotation interval: The interval (in hours) at which the server saves old log messages to another file. (Requires a time-based rotation type.) [More Info...](#)

☐ **Limit number of retained files** Indicates whether to limit the number of log files that this server instance creates to store old log messages. (Requires a time-based rotation type.) [More Info...](#)

In this section we discussed:

- ✓ Creating virtual hosts
- ✓ Deploying Web Applications to virtual hosts
- ✓ Targeting virtual hosts to servers
- ✓ Targeting virtual hosts to clusters
- ✓ Monitoring virtual hosts

