Virtual Host

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

✓ Explain What Is Virtual Hosting?

✓ Create Virtual Hosts
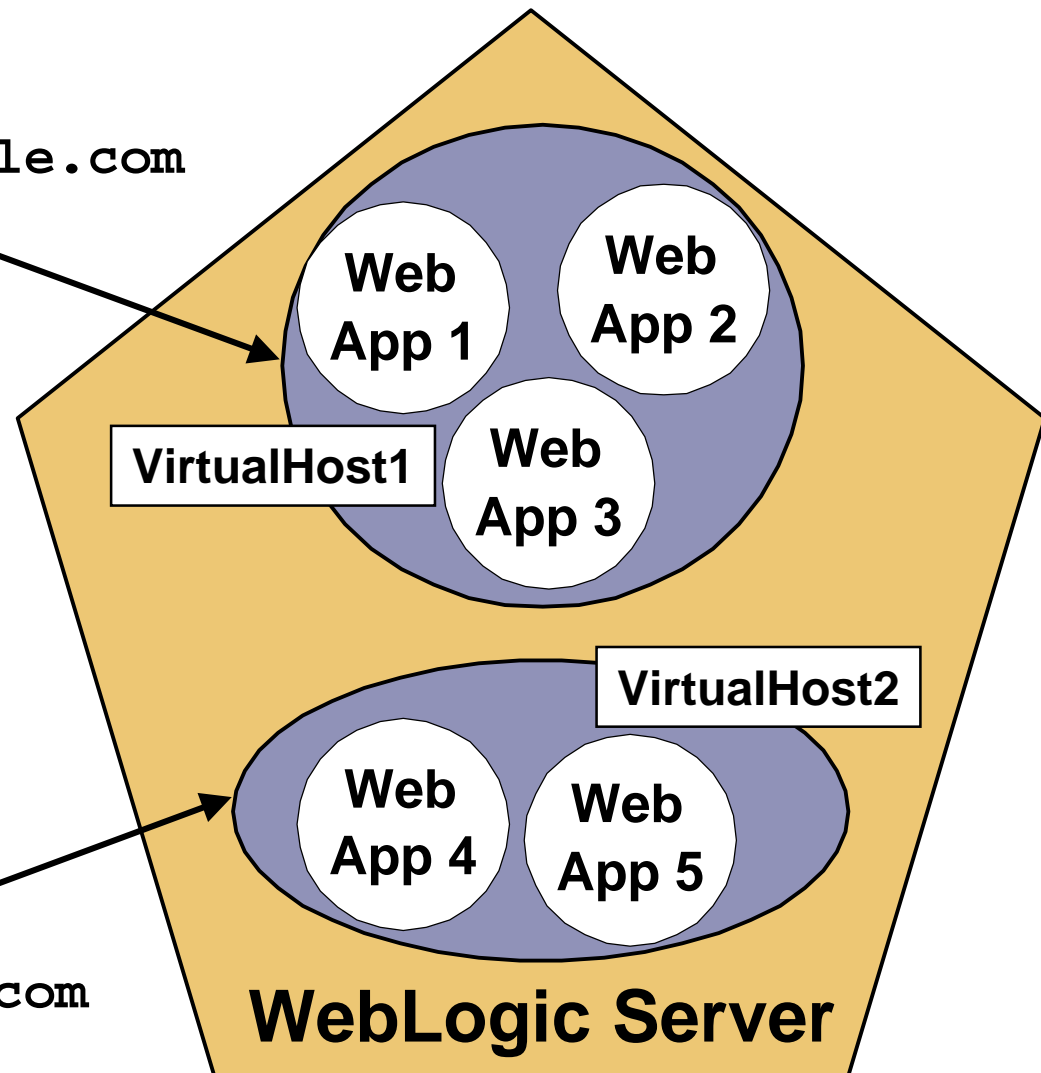
✓ Configure Virtual Hosts

✓ Monitor Virtual Hosts

▶ 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`

Web App 1

Web App 2

VirtualHost1

Web App 3

VirtualHost2

Web App 4

Web App 5
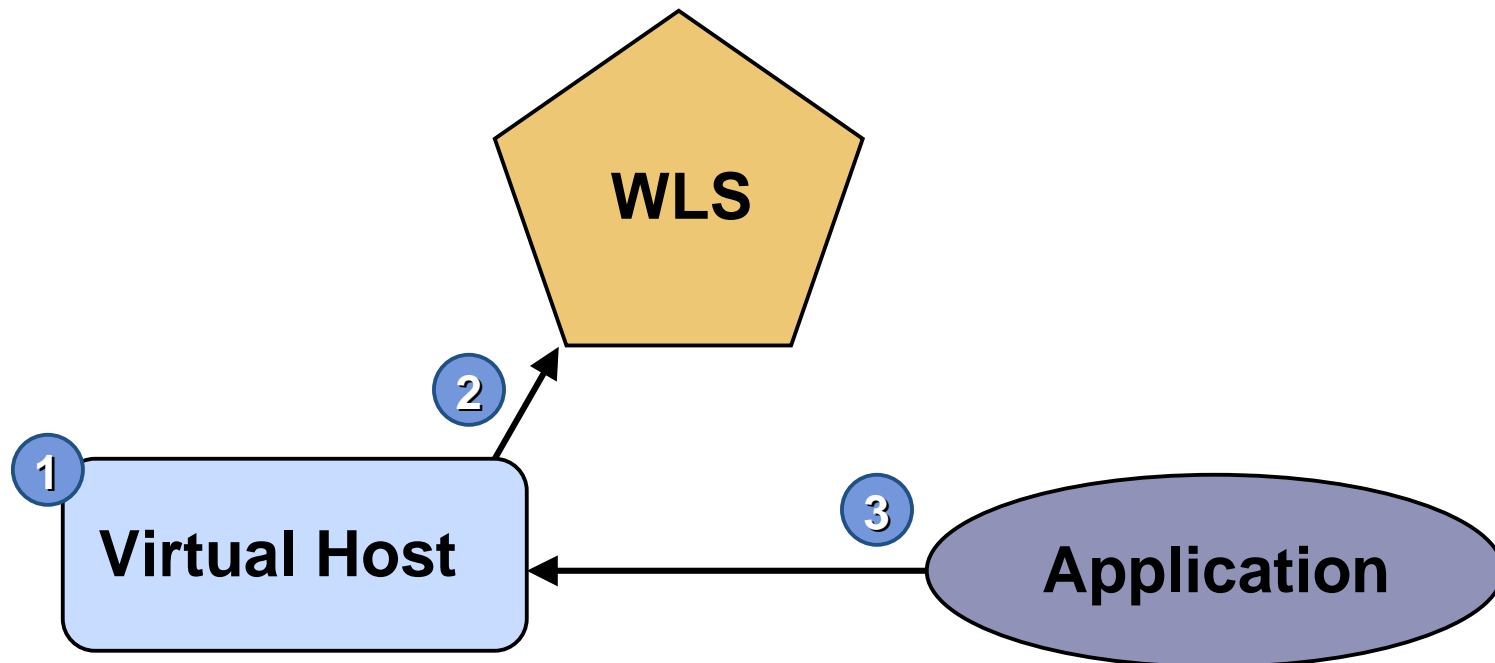
WebLogic Server

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.

WLS

②

①

Virtual Host

③

Application

Creating Virtual Hosts…

Targeting Virtual Hosts to Servers

© 2006 BEA Systems, Inc.

Targeting Applications to a Virtual Host

© 2006 BEA Systems, Inc.

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 rele

Log file name: `logs/virtualHosts/Benefi` — The name of the log file. More Info...

— **Rotation** ————————————————

Rotation type: [By Size ▾] — Criteria for moving old log messages to a separate file. More Info...

Maximum file size: `500` — The size (1 - 65535 kilobytes) that triggers the server to move log messages to a separate fi 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: `00:00` — Determines the start time (hour and minute) for a time-based rotation sequence. More Info.

Rotation interval: `24` — The interval (in hours) at which the server saves old log messages to another file. (Requires

☐ **Limit number of retained files** — Indicates whether to limit the number of log files that this server instance creates to store ol SIZE or TIME.) More Info...

Review

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