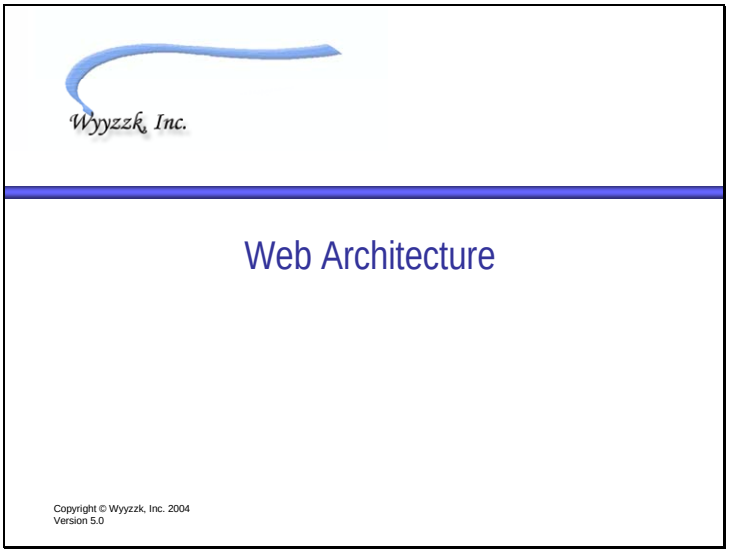
Slide 1



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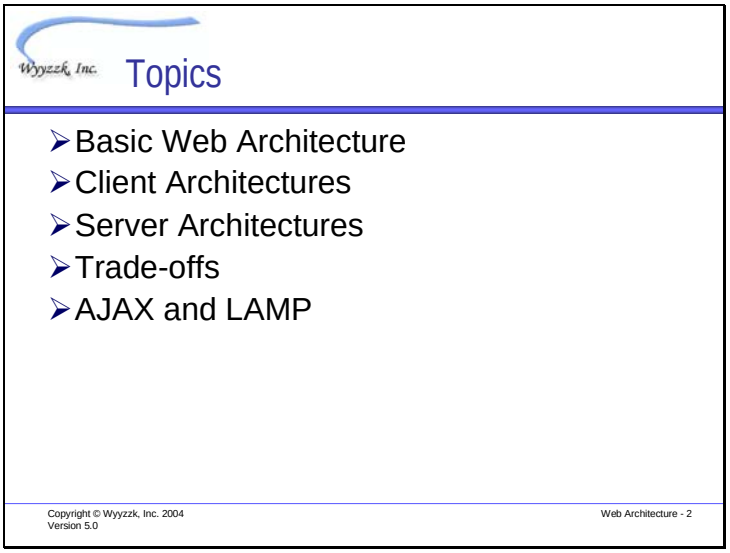


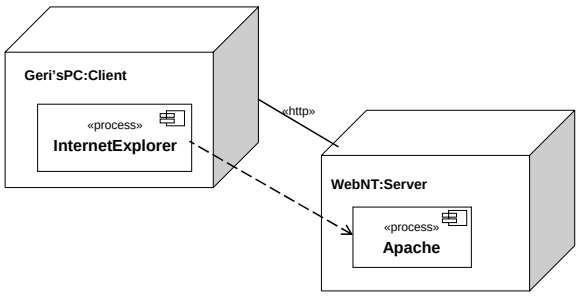
Slide 3

Basic Web Architecture

- The basic web architecture is client/server.
  - A web browser runs on the client
    - Internet Explorer
    - Netscape
  - A web server runs on the server
    - IIS
    - Apache
  - The client and server communicate using the http protocol

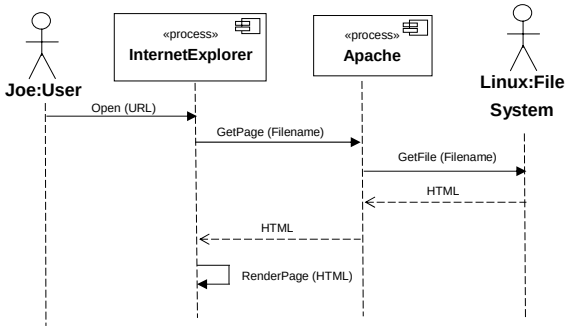
Slide 4

Basic Web Architecture



Slide 5

Basic Web Architecture

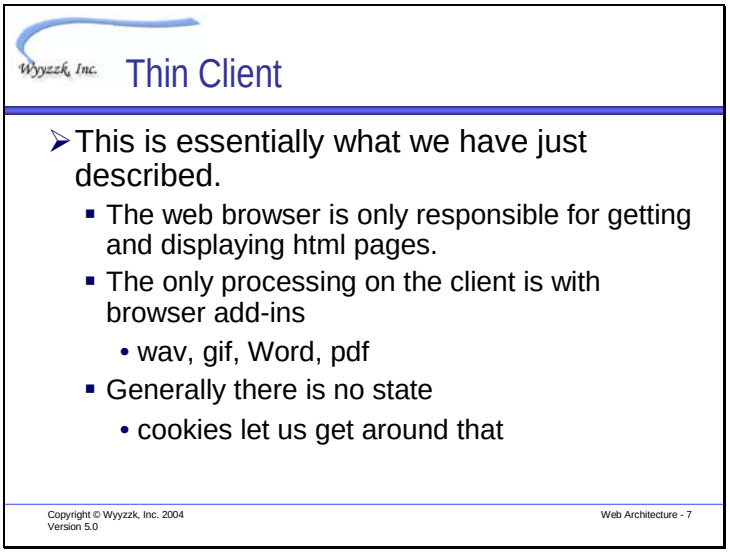


Slide 6

Client Architectures

- There are 3 basic types of client architectures:
  - Thin
    - html pages, web browser
  - Thick
    - ActiveX, applet, Java script, other client scripts
  - Web Delivery
    - sharing objects

Slide 7



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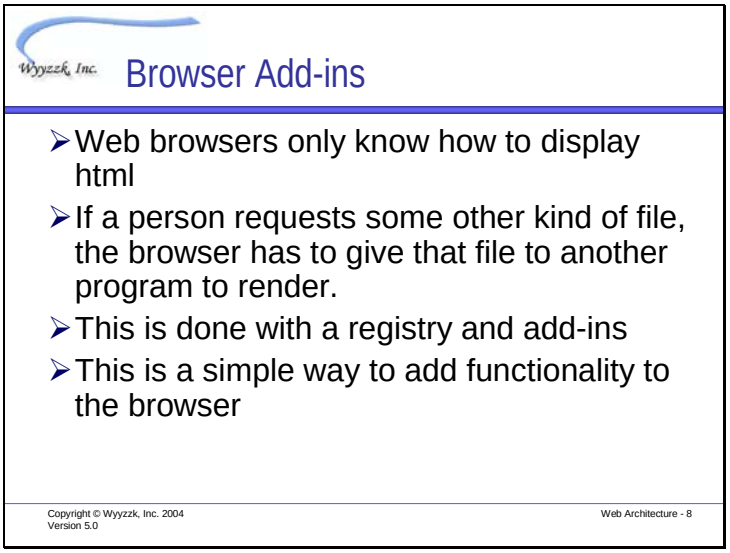

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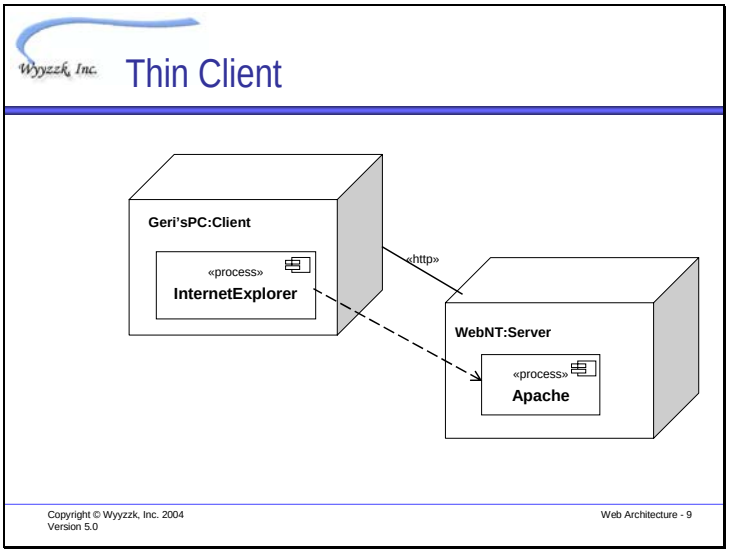

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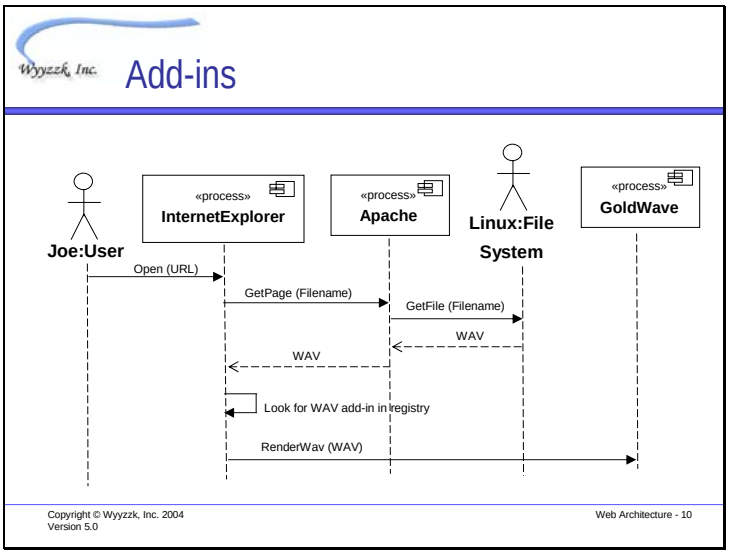


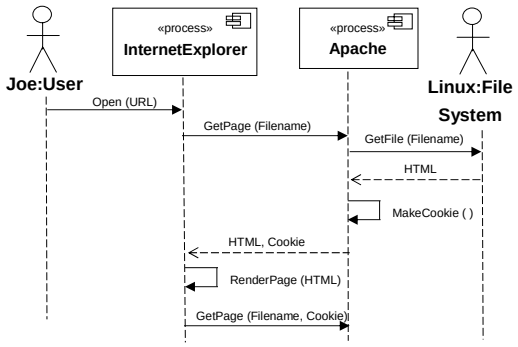
Slide 11

Cookies

- A cookie is a file on the client computer which stores information for a particular web session
  - a web session is a series of communications between the client and the server
- During a web session, the web server creates a cookie and sends it to the web browser with the requested page
  - The web browser sends the cookie back to the server with every page request in the current web session.

Slide 12

Cookies



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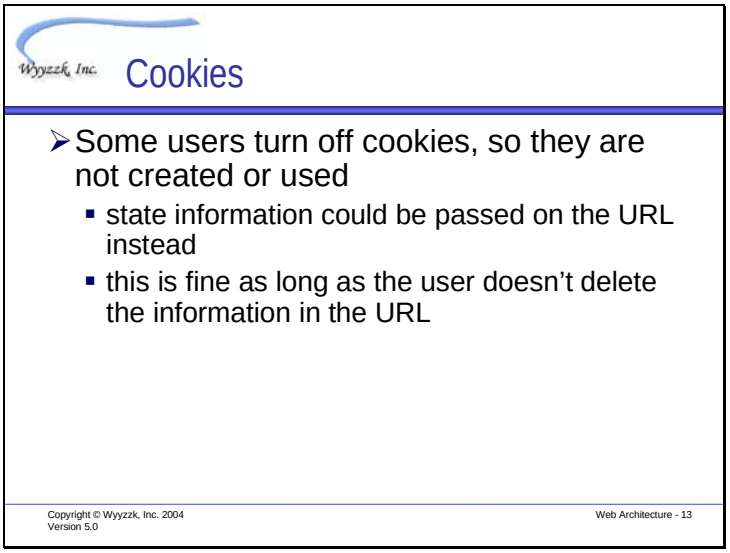

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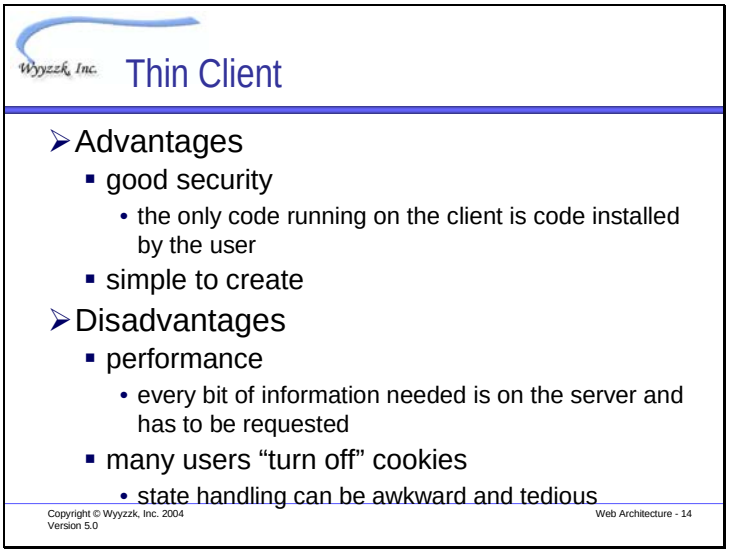


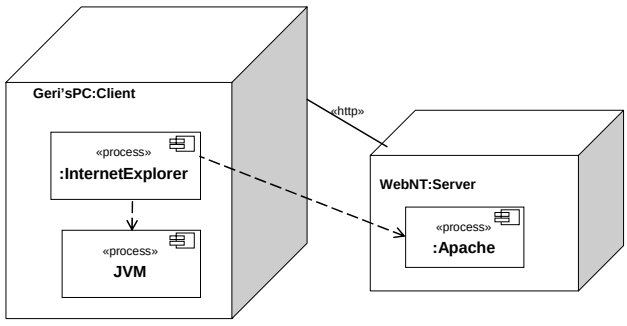
Slide 15

Thick Client

- A thick client is the same as a thin client with some extra pieces
  - applets
  - Java script
  - ActiveX
  - other client script
- Now we have more processes running on the client.

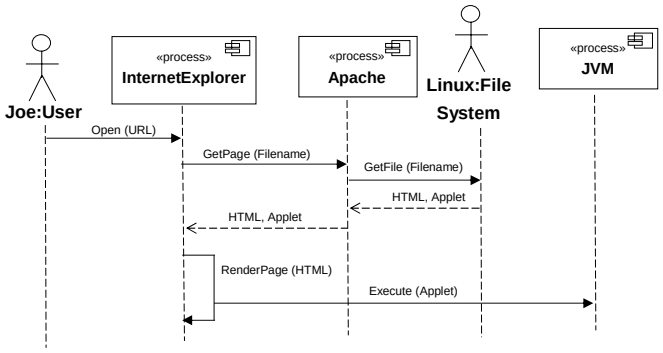
Slide 16

Thick Client



Slide 17

Thick Client



Slide 18

Thick Client

- Advantages
  - performance
    - this will run faster than the thin client
  - state handling
    - there are more options for state handling
- Disadvantages
  - security not as tight
    - code from server is downloaded to run on client
    - user may not know or trust the source of the code

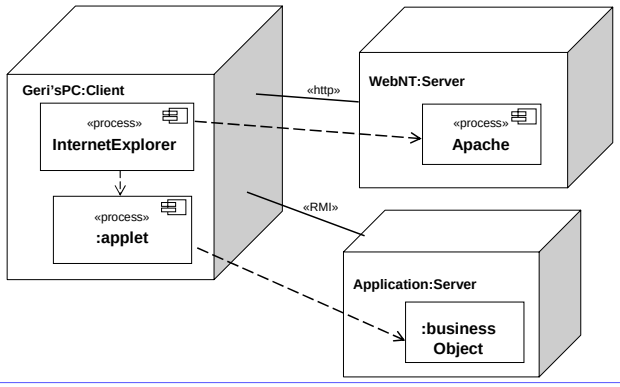
Slide 19

Web Delivery System

- A web delivery system can be essentially a thin or medium client
  - We add the ability to pass objects between the client and the server.

Slide 20

Web Delivery System Architecture



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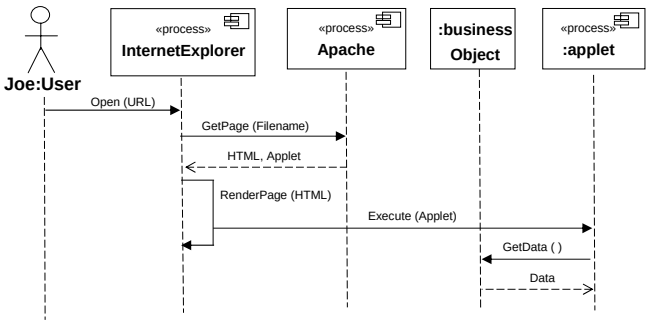
Web Delivery System

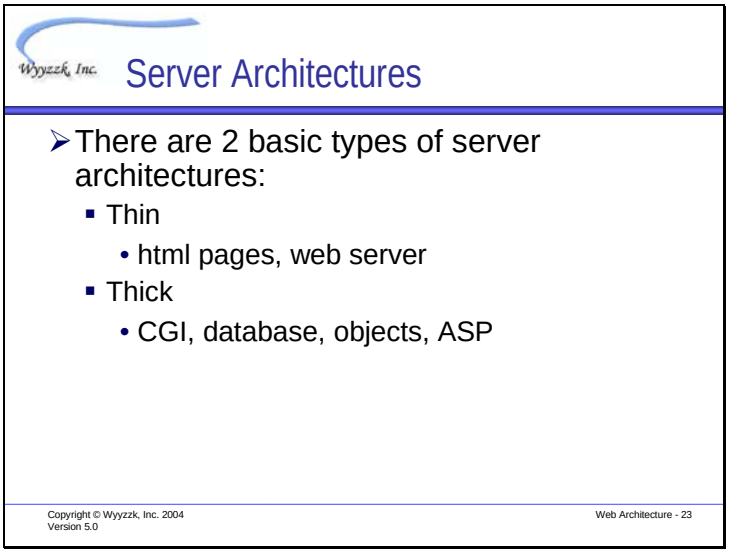


Slide 22

Web Delivery System

- Advantages
  - performance
    - this will run faster than the thin client
  - state handling
    - there are more options for state handling
- Disadvantages
  - You need control over the clients
  - More complex to implement

Slide 23



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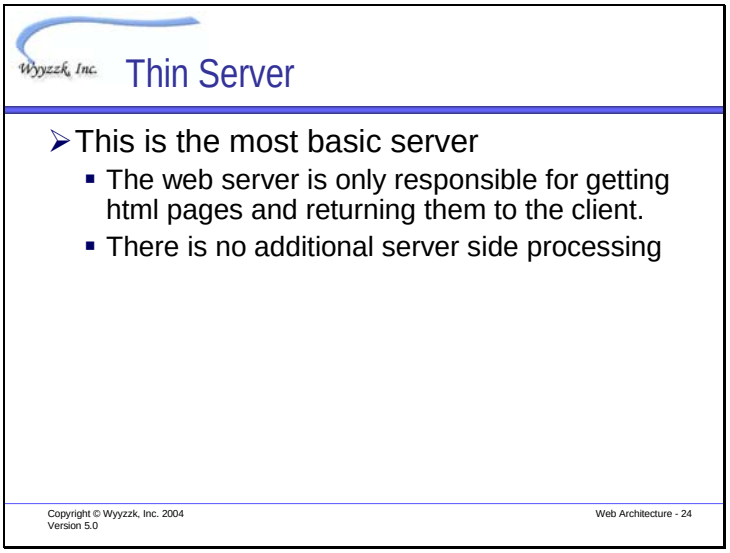

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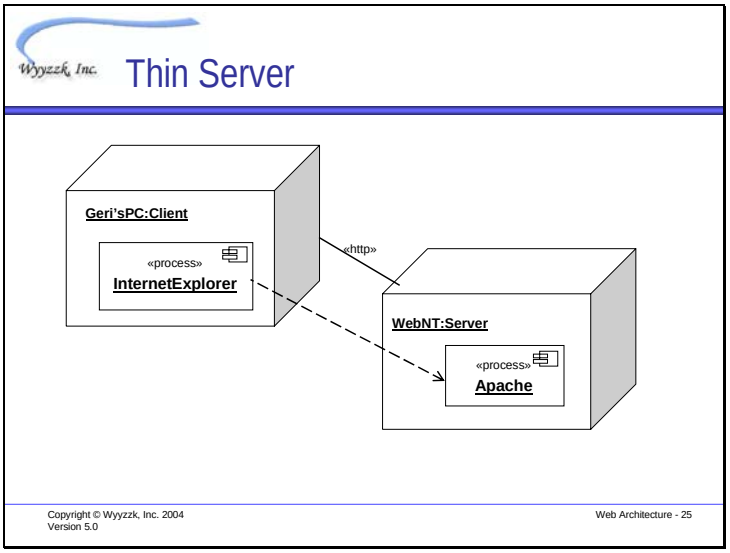

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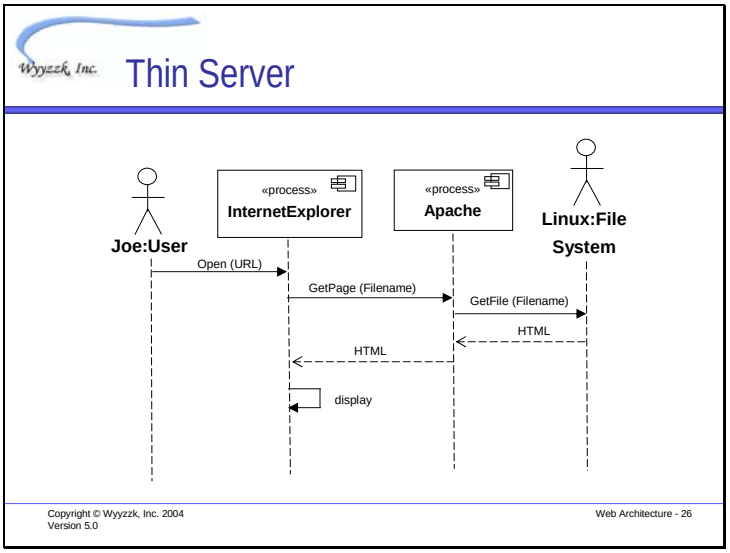

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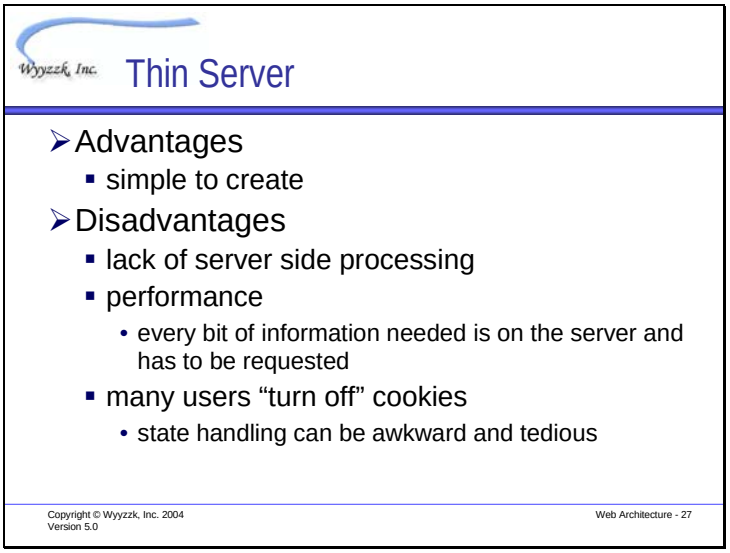

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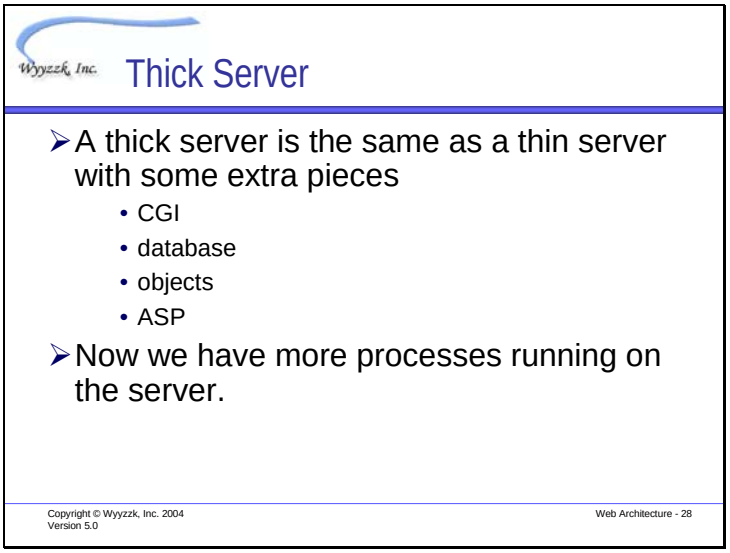

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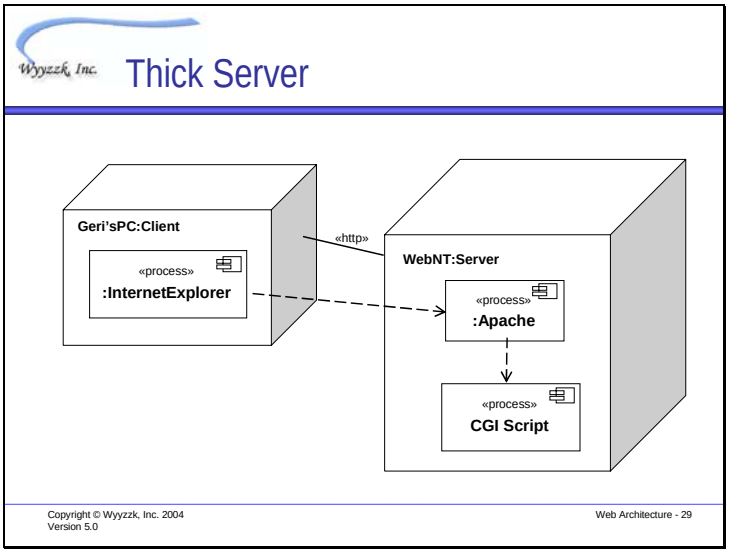

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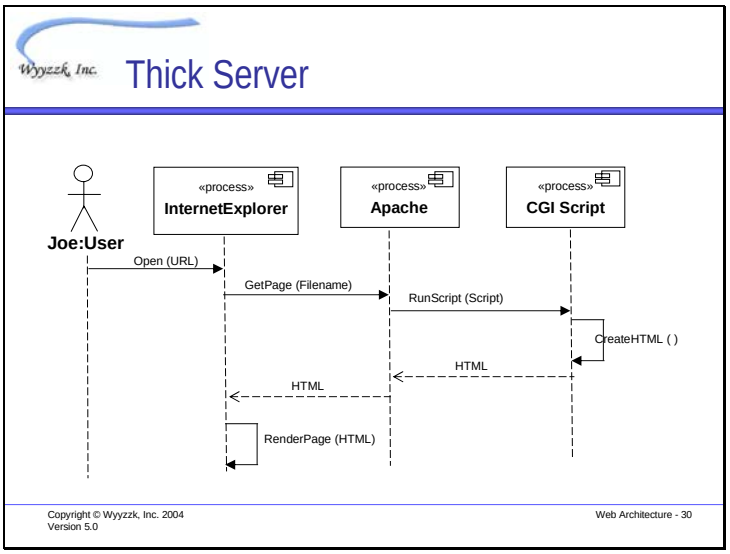

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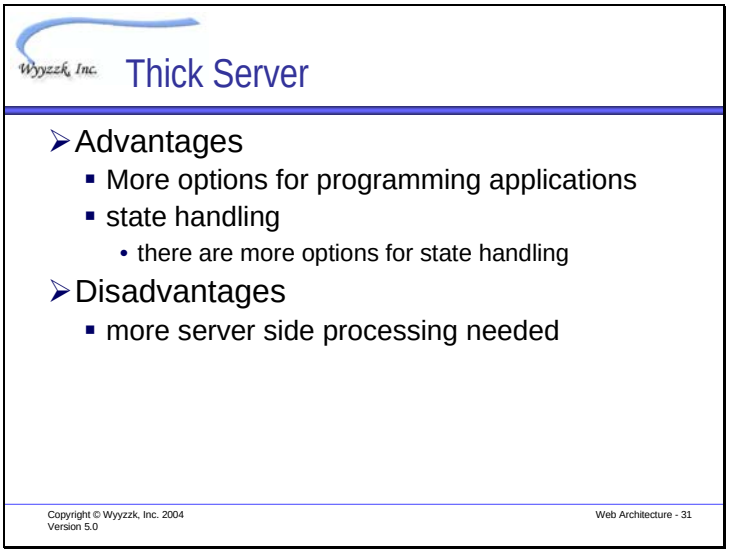

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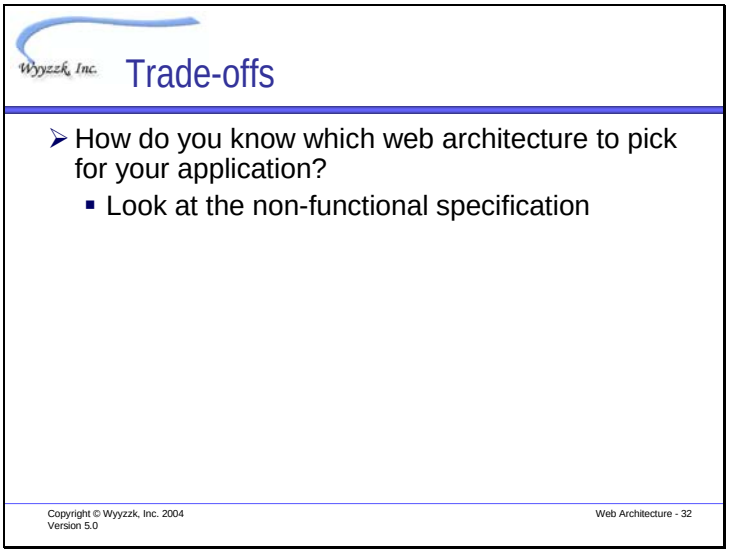

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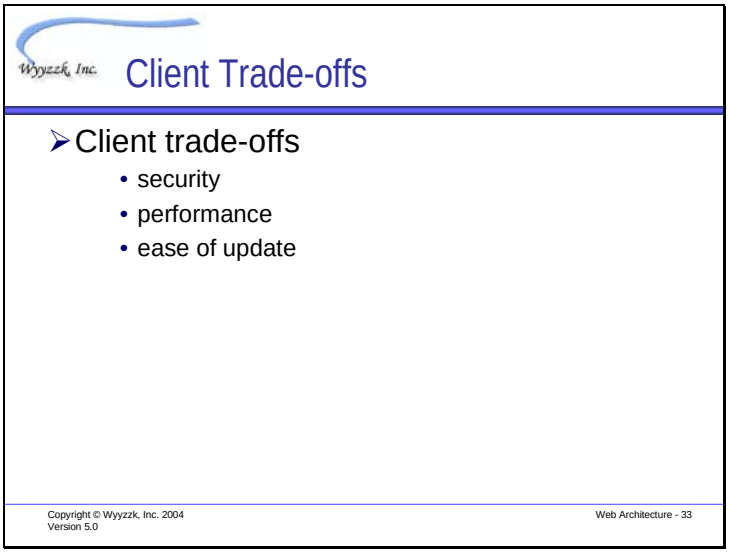

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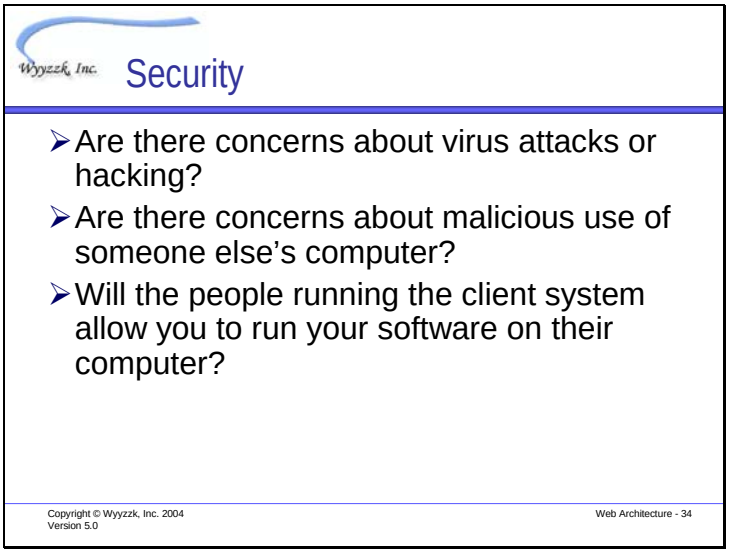

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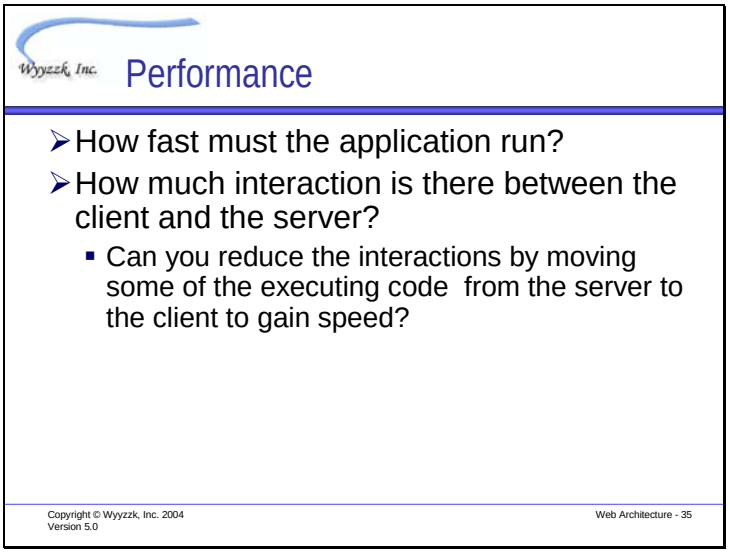

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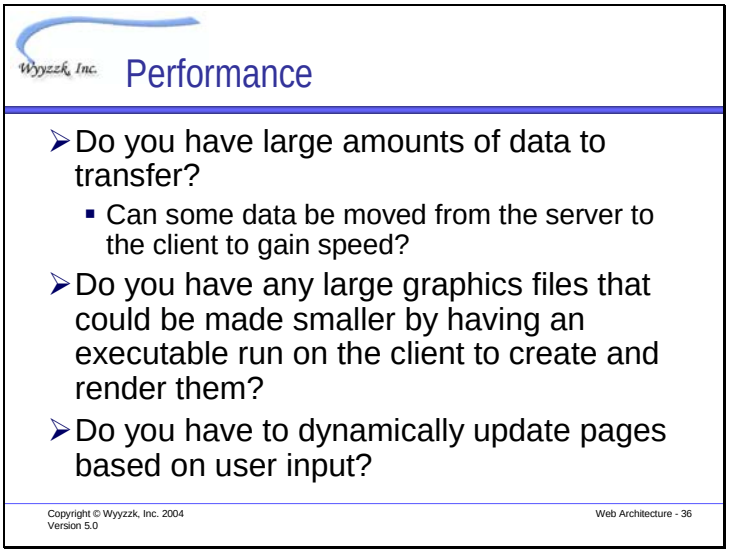

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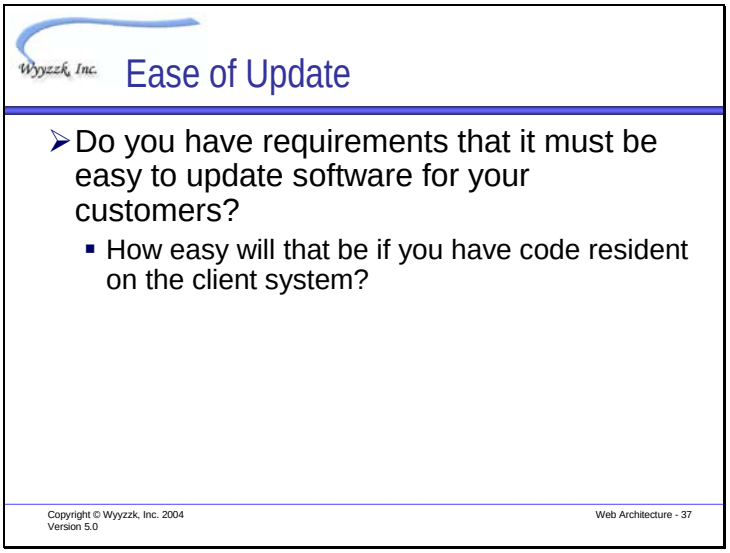

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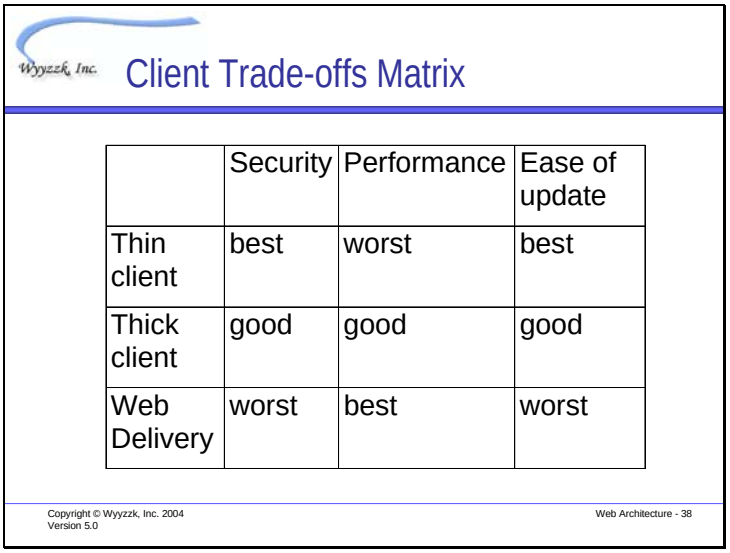

	Security	Performance	Ease of update
Thin client	best	worst	best
Thick client	good	good	good
Web Delivery	worst	best	worst

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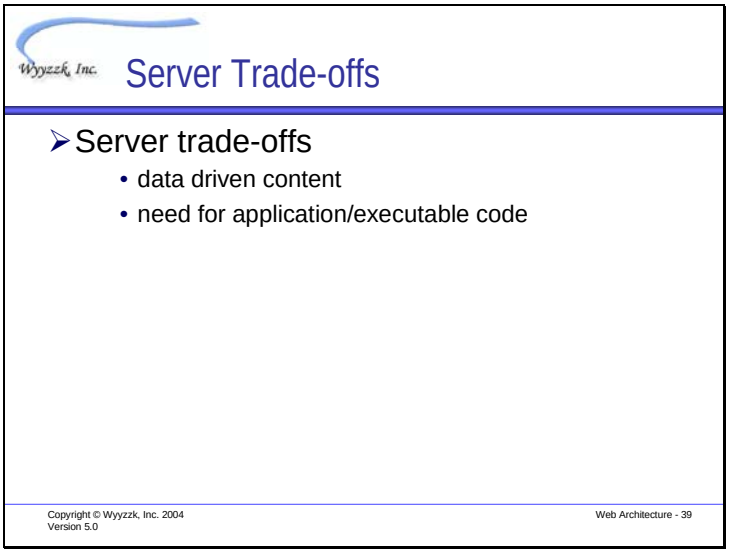

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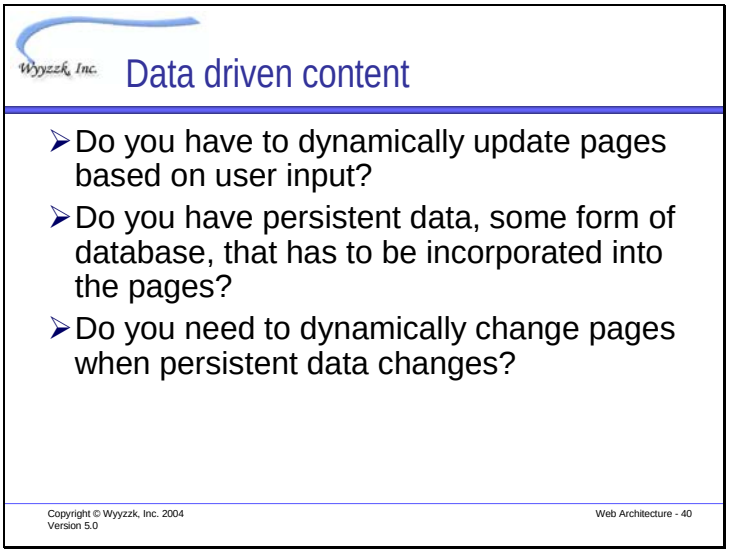

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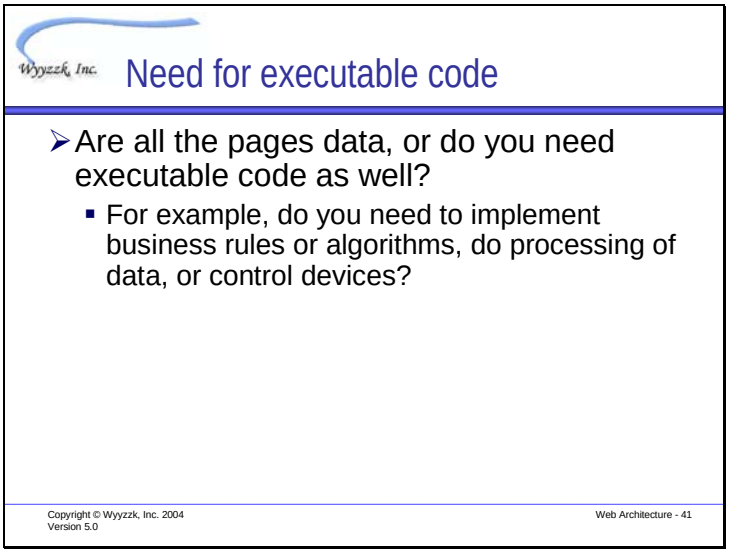

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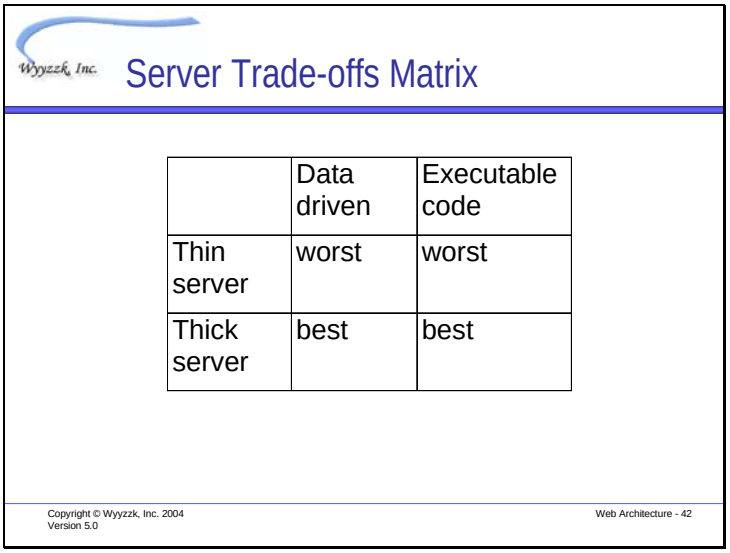

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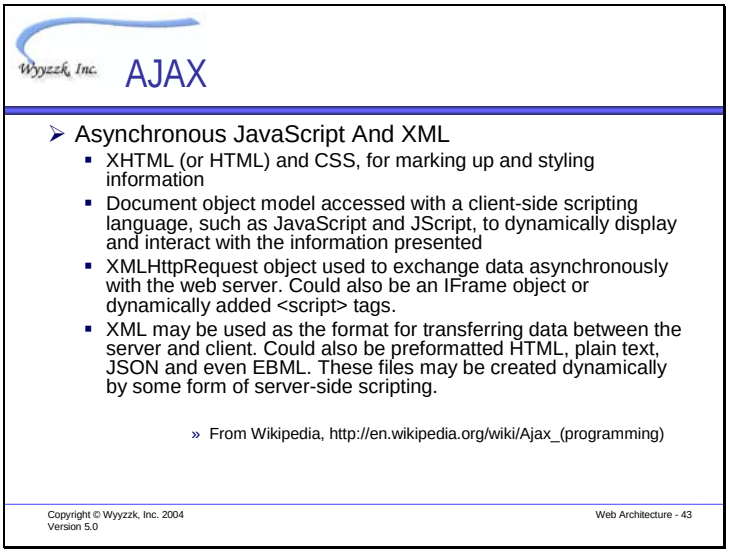

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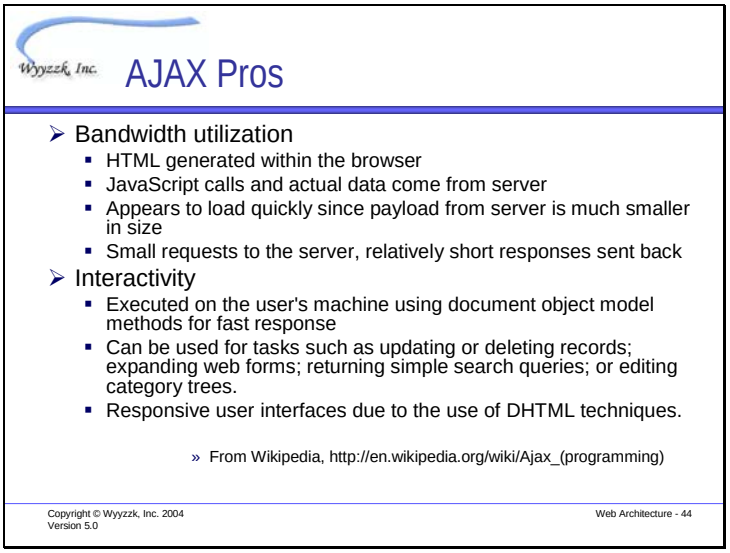

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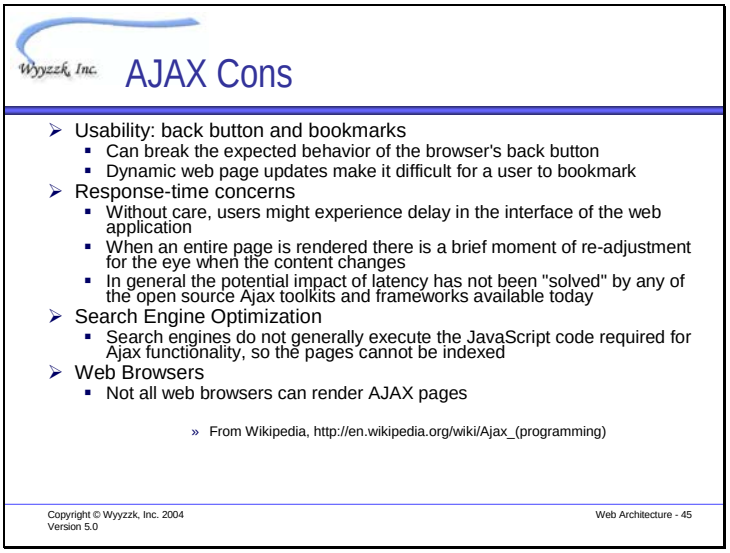

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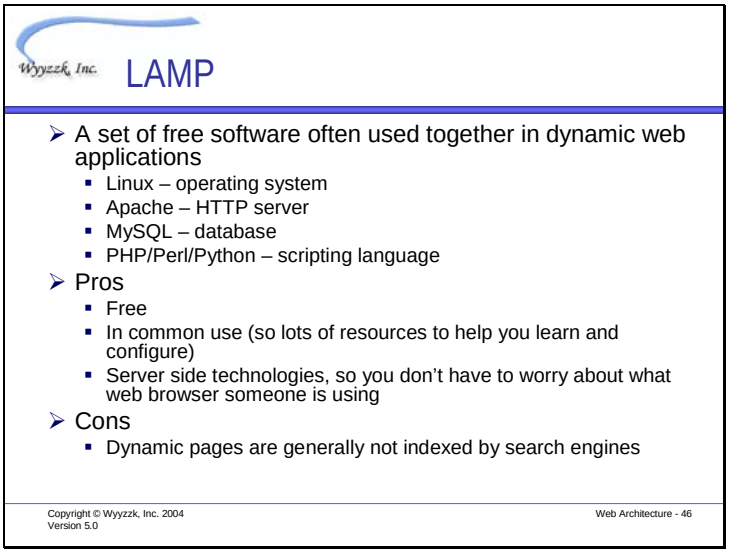

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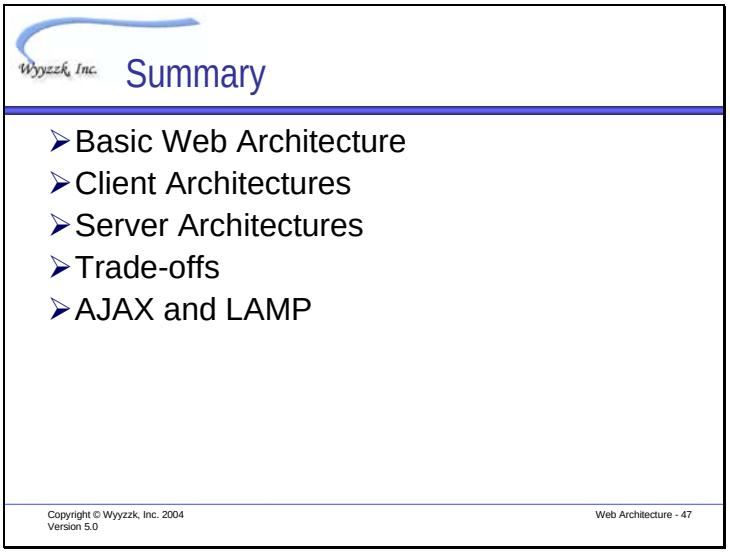
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