iSeries Skillbuilder Roadshow Edinburgh February 24, 2003

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iSeries Middleware

for more Than “The Web”

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Deliverable Strategies

For

Intranet and Extranet

Fat Client - Thin Client - Any Client

No Client

Internal Systems

- Nice to have:
  - Portals
  - Thin client (work under a browser)
  - XML
  - Mobile worker facilities
- Constraints:
  - Preserve the current “back office”
  - Strategic methodology (ROI)

Meeting the Challenge

- All that you need is available and proven.
- You have heard, today, about the components.
- They service more than “The Web.”
- They are iSeries “Out of the Box”:
  - WebSphere.
  - Portal express.
  - Domino.
  - Lotus (workflow; iNotes; QuickPlace).

Strategic Methodology

- Available today
- Secure and lasting

- Needs some new (but by no means rare) skills

- Compliant with software vendor objectives:
  - "Run under a browser"
  - Optimised for iSeries

Walk With Me ----->

- In the following slides:
  - The “gray box” is a single iSeries
  - The “blue boxes” are software
- Lets look at the role of WebSphere in the strategy of fulfilling the requirements of today and tomorrow
- Application independent
- User device independent

LAN

NETWORK

JS

Java
Server

CDS

Custom
Definition
Server

Back Office

Application
Server

IBM eserver iSeries

LAN

NETWORK

JS

Java
Serve

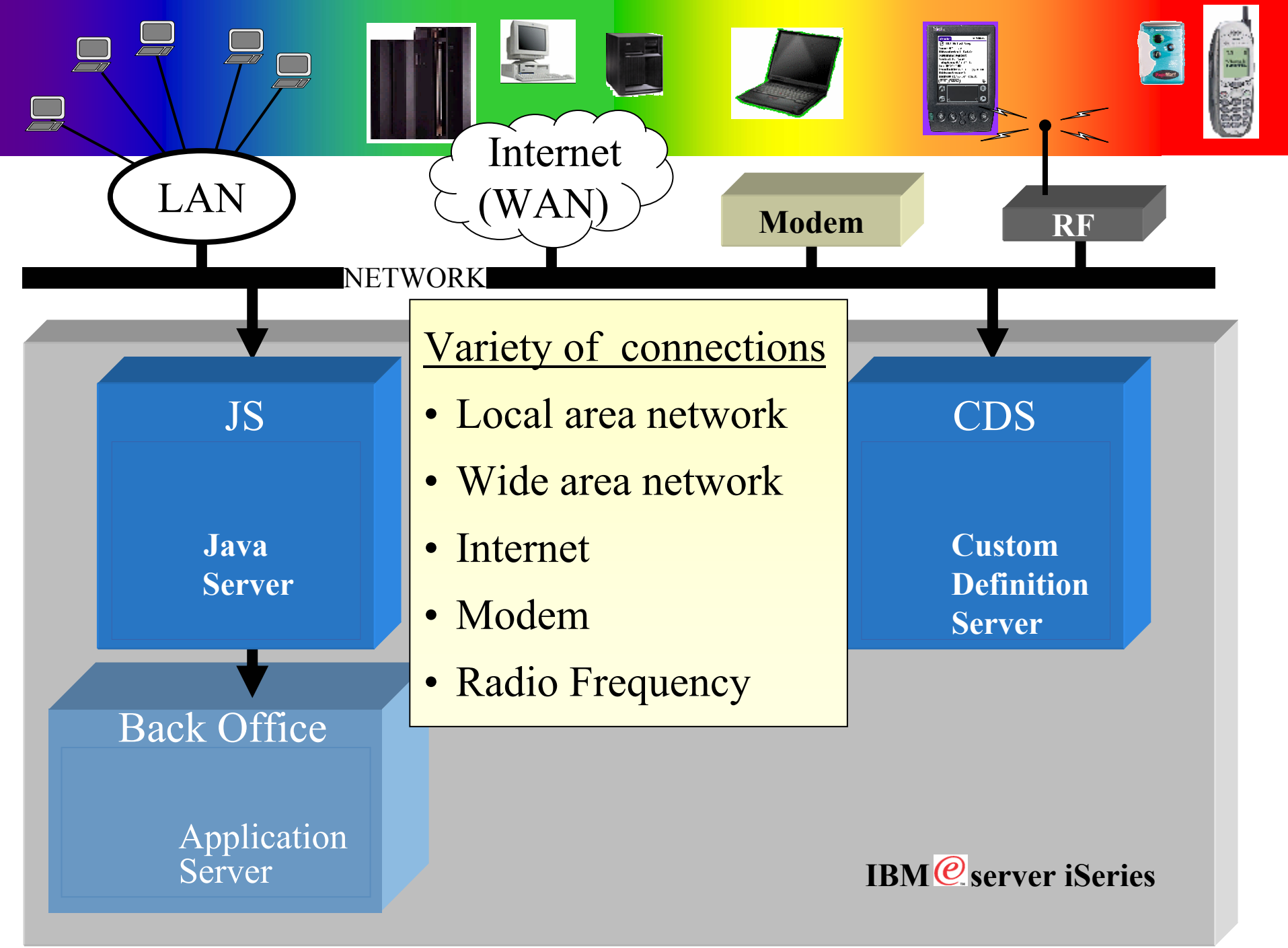
Back Office

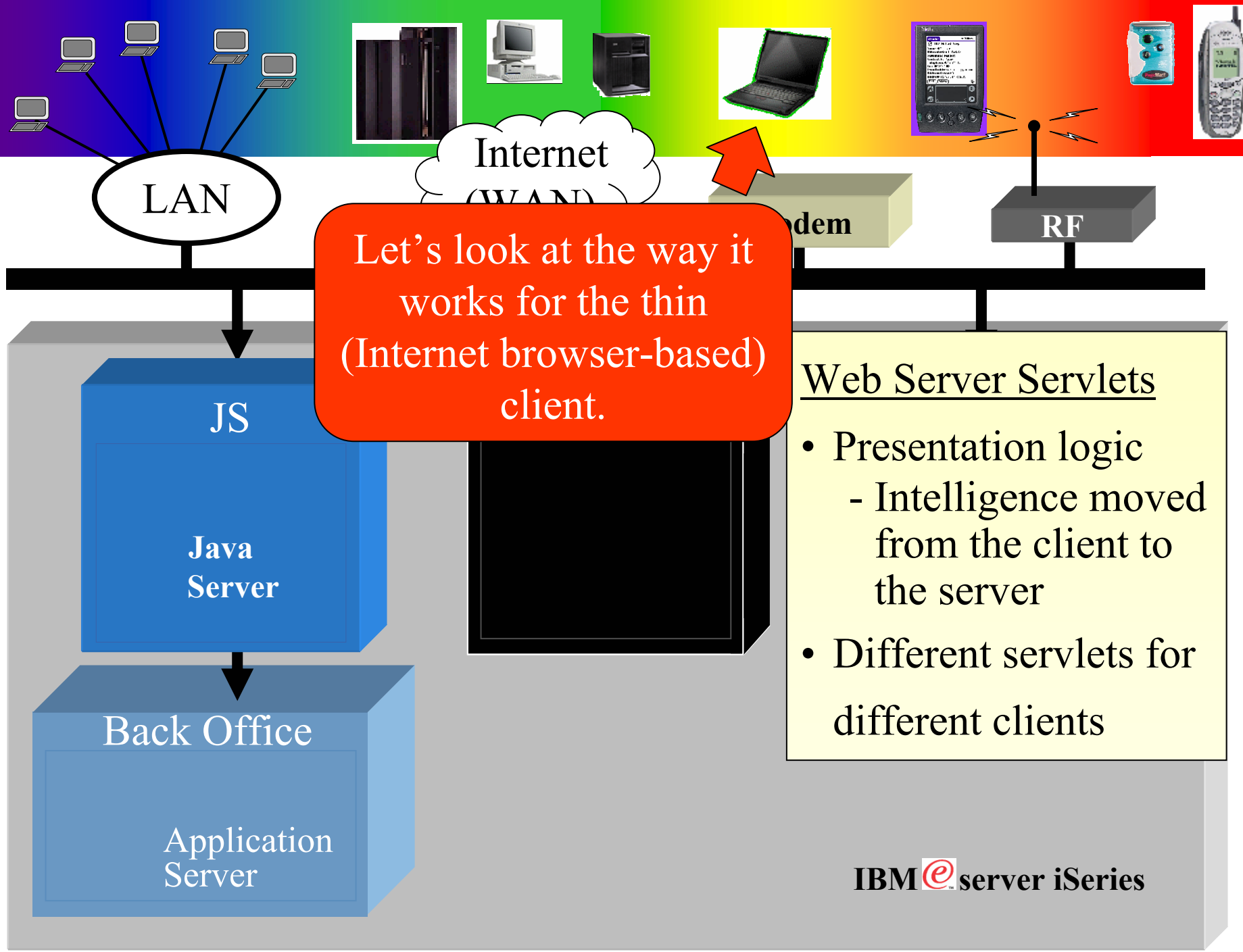
Application
Server

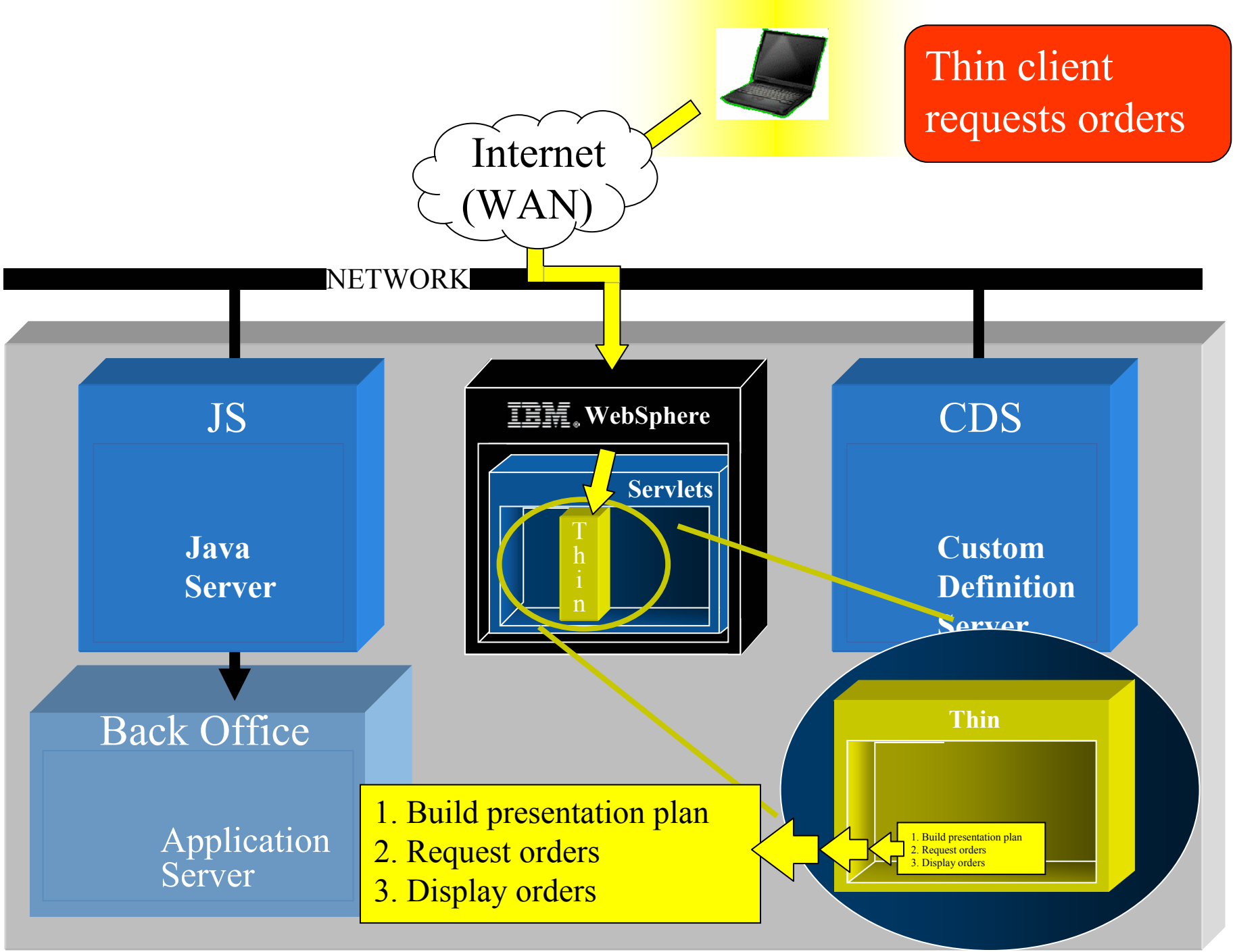
Variety of "Clients"

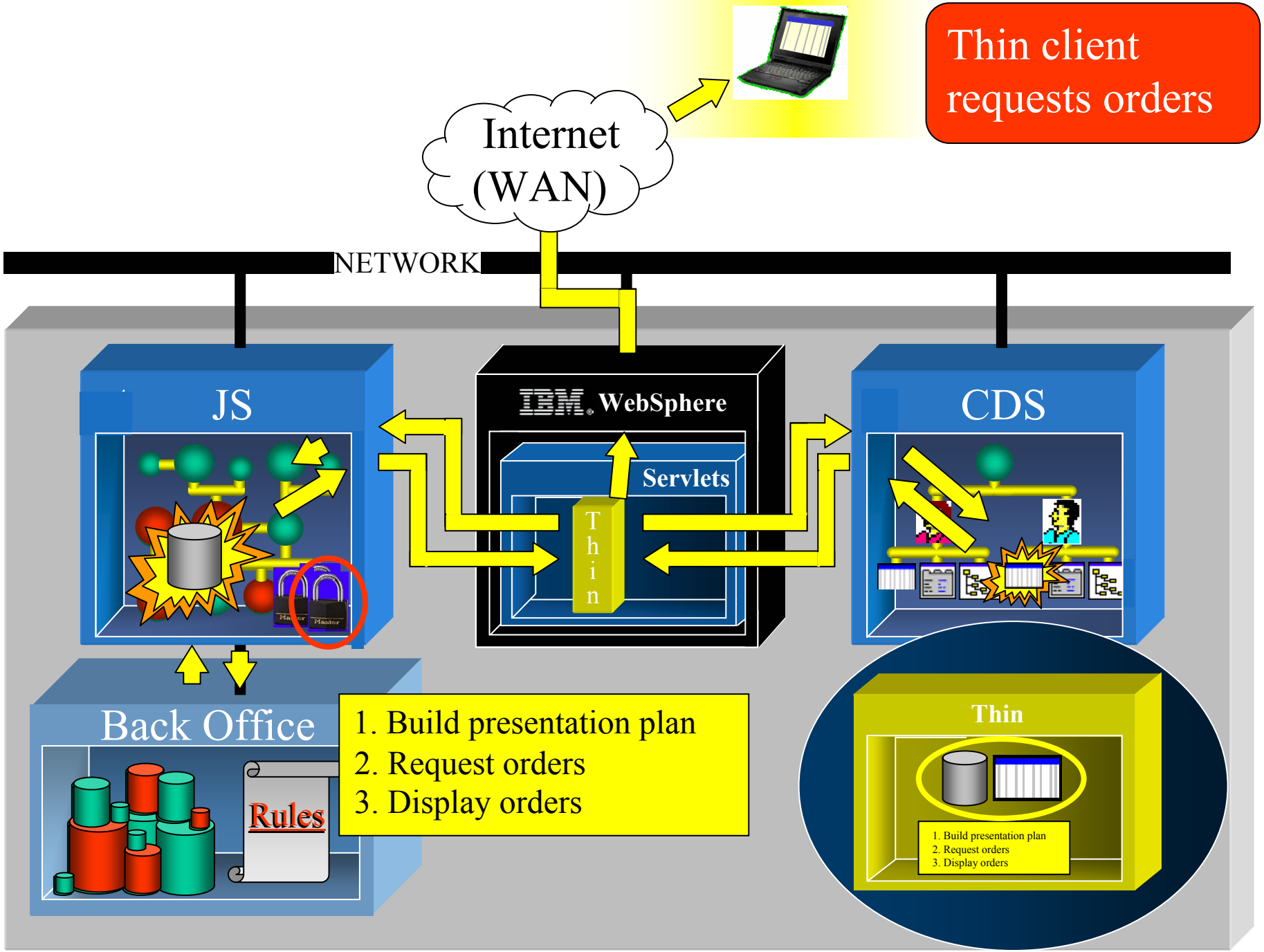
- Desktop PC's
- Laptop PC's
- Handheld PDA's
- Other Servers
- Other hardware and software systems
- Other devices
  - Cell phones
  - Pagers
  - Etc.

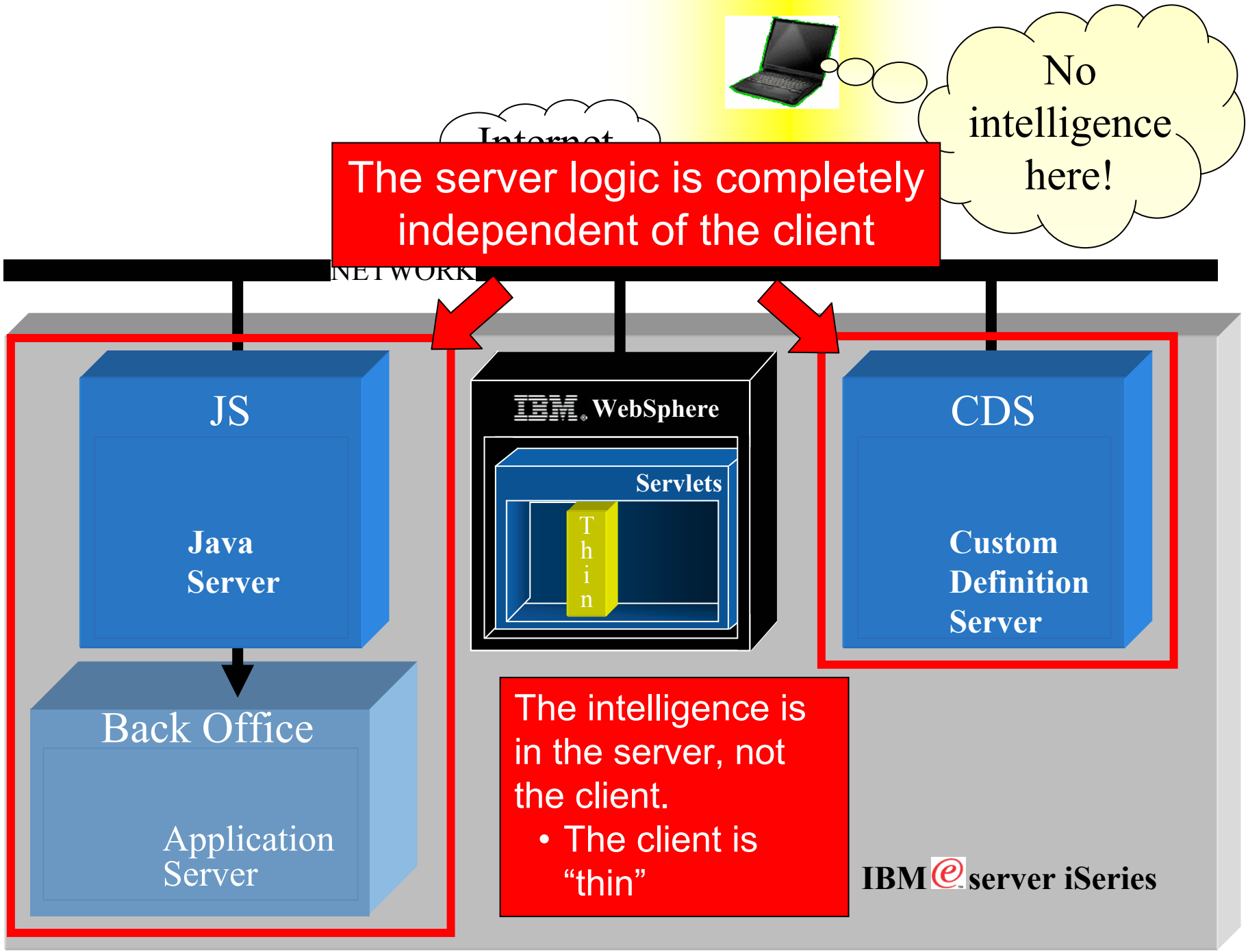
IBM eserver iSeries

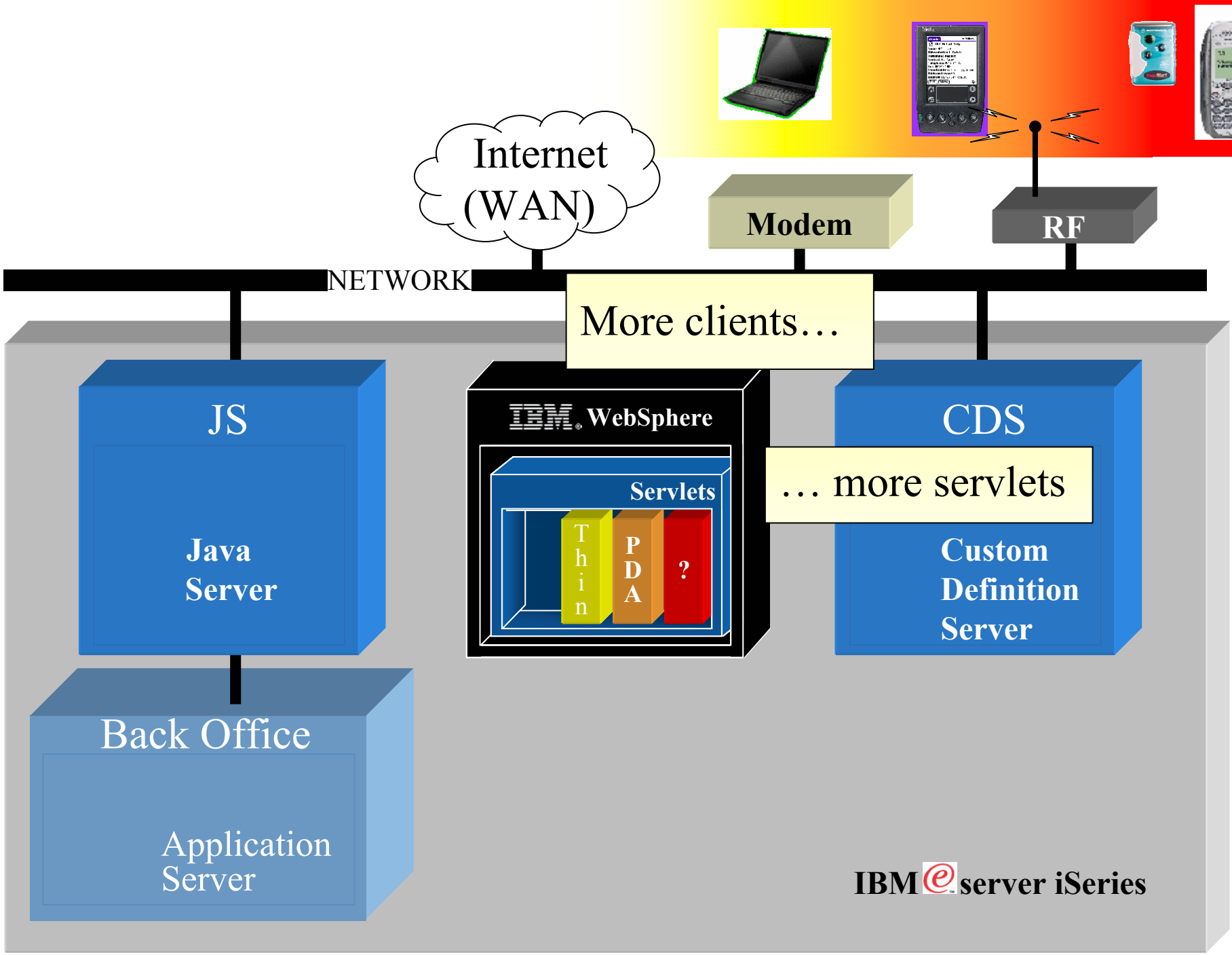

LAN
Internet
(WAN)
Modem
RF
NETWORK
JS
Java
Server
CDS
Custom
Definition
Server
Back Office
Application
Server
Variety of connections
• Local area network
• Wide area network
• Internet
• Modem
• Radio Frequency
IBM server iSeries

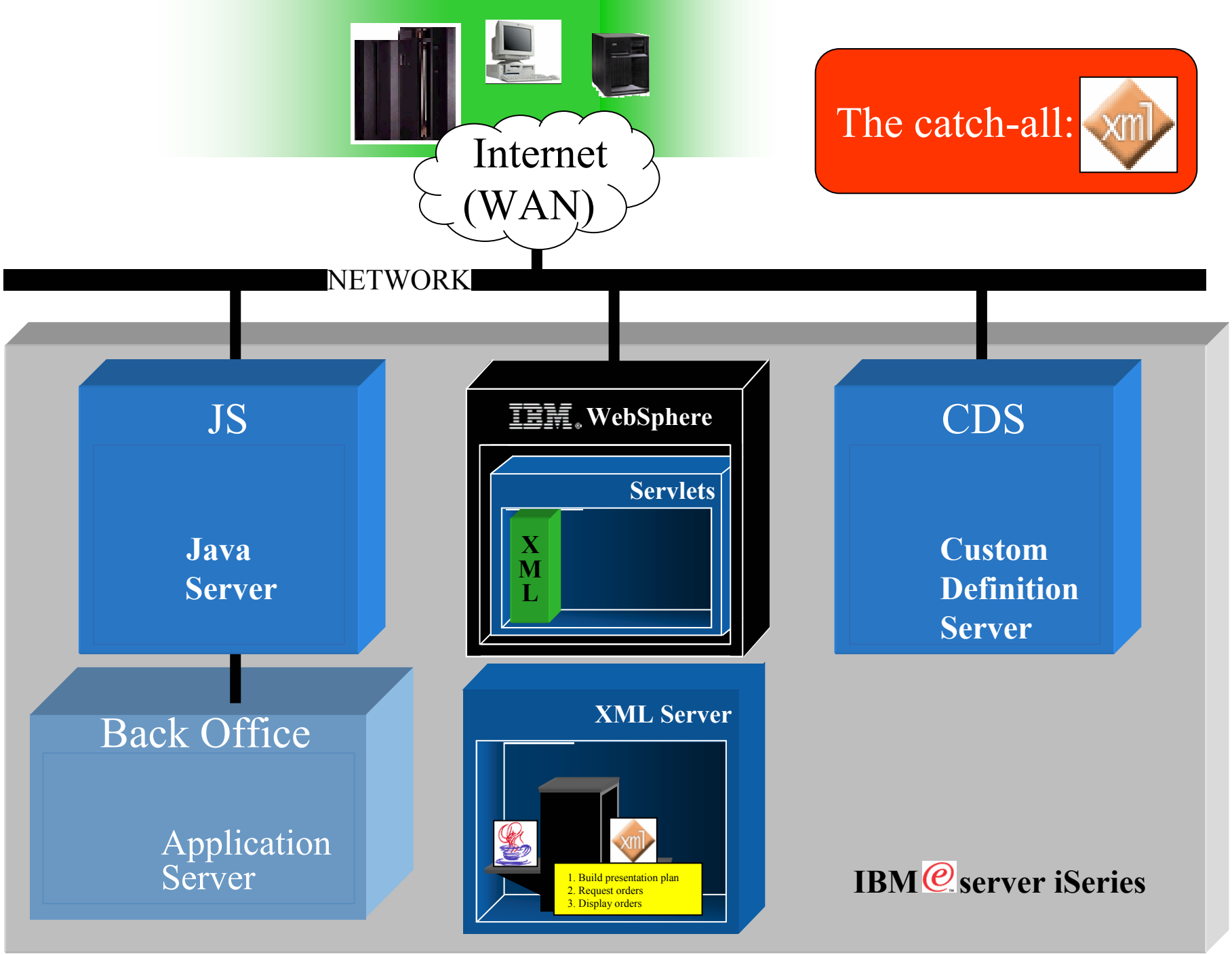

LAN
Internet
(WAN)
dem
RF
Let's look at the way it works for the thin (Internet browser-based) client.
JS
Java
Server
Back Office
Application
Server
Web Server Servlets
• Presentation logic
- Intelligence moved from the client to the server
• Different servlets for different clients
IBM server iSeries

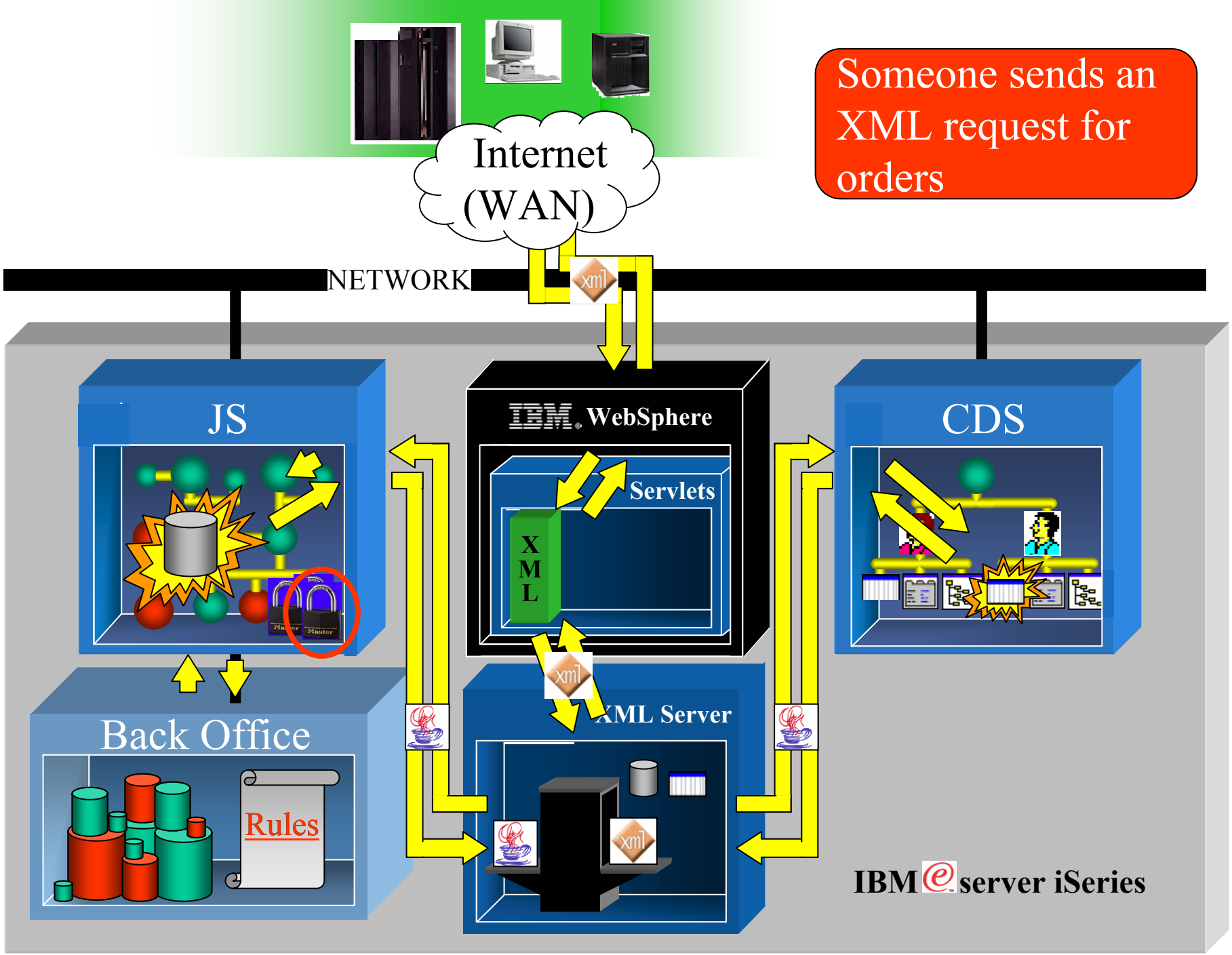

Thin client requests orders
Internet (WAN)
NETWORK
JS
Java Server
IBM WebSphere
Servlets
Thin
CDS
Custom Definition Server
Back Office
Application Server
1. Build presentation plan
2. Request orders
3. Display orders
Thin
1. Build presentation plan
2. Request orders
3. Display orders

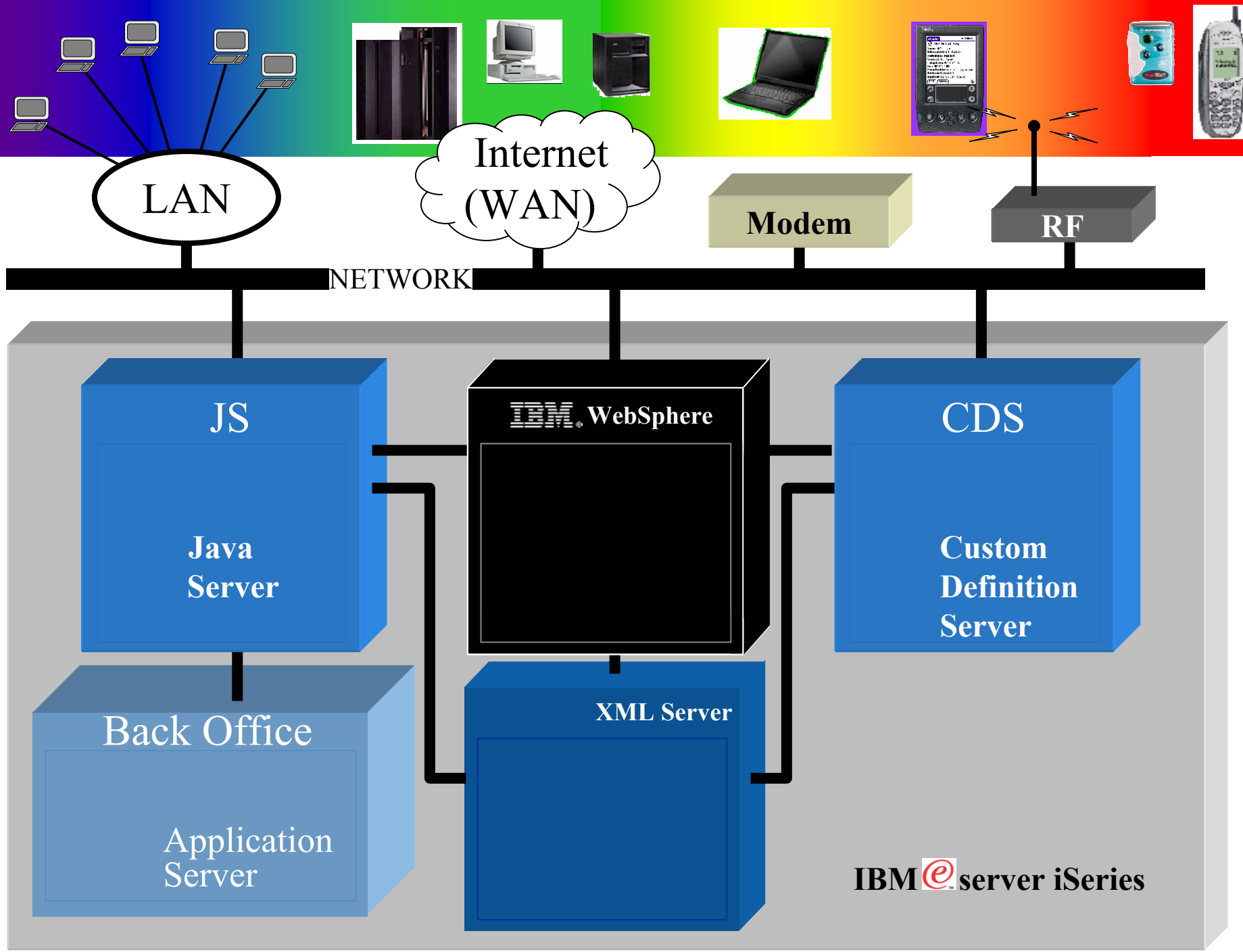

Thin client requests orders
Internet (WAN)
NETWORK
JS
IBM WebSphere
Servlets
Thin
CDS
Back Office
Rules
1. Build presentation plan
2. Request orders
3. Display orders
Thin
1. Build presentation plan
2. Request orders
3. Display orders


No intelligence here!
The server logic is completely independent of the client
JS
Java Server
Back Office
Application Server
IBM WebSphere
Servlets
Thin
CDS
Custom Definition Server
The intelligence is in the server, not the client.
• The client is "thin"
IBM eserver iSeries


Internet
(WAN)
Modem
RF
NETWORK
More clients…
JS
Java
Server
IBM WebSphere
Servlets
Thin
PDA
?
CDS
… more servlets
Custom
Definition
Server
Back Office
Application
Server
IBM eserver iSeries


Internet
(WAN)
The catch-all:
xml
NETWORK
JS
Java
Server
IBM WebSphere
Servlets
X
M
L
CDS
Custom
Definition
Server
Back Office
Application
Server
XML Server
xml
1. Build presentation plan
2. Request orders
3. Display orders
IBM server iSeries


Someone sends an XML request for orders
Internet (WAN)
NETWORK
xml
JS
IBM WebSphere
Servlets
XML
CDS
xml
XML Server
Back Office
Rules
IBM eserver iSeries


LAN
Internet
(WAN)
Modem
RF
NETWORK
JS
Java
Server
IBM WebSphere
CDS
Custom
Definition
Server
Back Office
Application
Server
XML Server
IBM server iSeries

Points to Note

- You may not need all of the components shown.
- What you certainly do *not* need is:
  - A hardware server for every function.
  - An operating system license for every function.
  - A network and integration infrastructure just for servers.
- All of this runs today on single processor iSeries.
- It will run tomorrow even with a “back office” application written for System 38.

For More Information...

www.campbell-lee.co.uk