Smart Client, Data Store, Application and Enterprise Server Based Architecture

Lesson 11

Server Messaging and Queuing

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Messaging and queuing (MQ)

- Used for communication between the server or the enterprise server and the client API

- The messages at the server-side queued and sent to the client when connection becomes available.

2

IBM MQe

- The IBM application server has MQ features. MQe facilitates messaging and queuing at everyplace
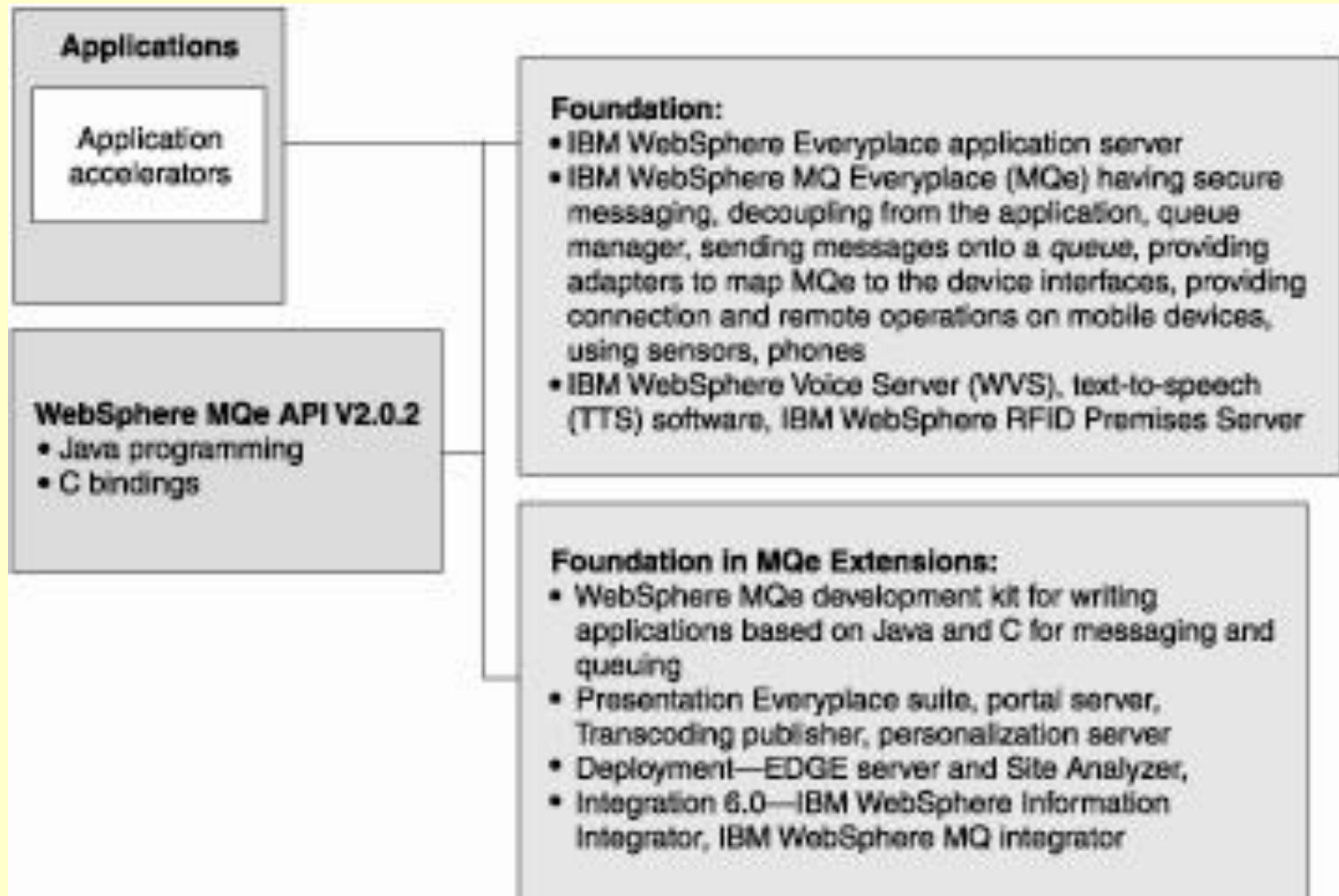
3

IBM Mqe added set of features

- Assures secure messaging

- Decouples from the application

- Uses a queue manager that sends messages onto a queue

- Has adapters that adapt to device interfaces

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Mqe added set of features

- Enables connection and remote connection to mobile devices, for example, sensors and mobile phones

- Has IBM WebSphere Voice Server, text-to-speech (TTS) software, and IBM WebSphere RFID Premises Server

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IBM WebSphere application server for mobile devices

Applications

> **Application accelerators**

WebSphere MQe API V2.0.2
- Java programming
- C bindings

Foundation:
- IBM WebSphere Everyplace application server
- IBM WebSphere MQ Everyplace (MQe) having secure messaging, decoupling from the application, queue manager, sending messages onto a queue, providing adapters to map MQe to the device interfaces, providing connection and remote operations on mobile devices, using sensors, phones
- IBM WebSphere Voice Server (WVS), text-to-speech (TTS) software, IBM WebSphere RFID Premises Server

Foundation in MQe Extensions:
- WebSphere MQe development kit for writing applications based on Java and C for messaging and queuing
- Presentation Everyplace suite, portal server, Transcoding publisher, personalization server
- Deployment—EDGE server and Site Analyzer,
- Integration 6.0—IBM WebSphere Information Integrator, IBM WebSphere MQ integrator

IBM WebSphere MQe

- Used for writing applications for messaging and queuing for mobile devices

- e stands for Everyplace

- Means for mobile devices at all places including sensors, phones, PDAs, IBM WebSphere Voice Server, text-to-speech (TTS) software, and IBM WebSphere RFID Premises Server

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IBM WebSphere MQe for mobile device

- MQe refers to an added set of features for secure messaging, decouples from the application, and uses a queue manager

- Application accelerator accelerates the running of an application so that results are obtained faster

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IBM WebSphere MQe

- Queue Manager messages onto a *queue*

- Provisions for *adapters* to adapt itself to device interfaces

- MQe enables connection and remote connection to mobile devices, for example, sensors, phones, and PDAs

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Summary

- Messaging
- Queuing
- Used for writing applications for messaging and queuing for mobile devices
- e stands for Everyplace
- Means for mobile devices, sensors, ..

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End of Lesson 11

Server Messaging and Queuing