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### **AGENDA**

- What is MQSeries
- MQSeries for VSE
- MQSeries Client
- MQSeries and the Internet
- Software Requirements

















### WWSeries

- MQ is accessed by 'CALL' Verb set is: OPEN, CLOSE, GET, PUT....
- Languages include COBOL, PL/1, ALC, C, C++, and REXX (depending on platform)
- Supports access over TCP/IP or SNA without coding TCP or SNA in your application.
- Assures delivery of messages, and recovers messages from system failures.
- Works with or without transaction managers.



















## What's new in 2.1? (2)

- Improved API support more options available, for example, MsgID/CorrelID is now supported on MQPUT and MQGET, MQSET support
- Message priority can now be assigned by the sending application
- Large batch size no longer a limit on transmit batch size, become a user specified option
- PL/I and C support in addition to Cobol support



### **MQ/VSE Trends and Directions**

- Scripts
- Channel Exits
- Programmable Command Format (PCF)

# MQSeries and the Internet









## **MQSeries EveryPlace**







# **MQSeries and LOTUS**



# **MQSeries and SAP R/3**







## Appendix

#### **Additional MQSeries Information**

MQSeries Concepts and Architecture	GC33-1141
MQSeries for VSE/ESA	SG24-5647
e-business Solutions for VSE/ESA	SG24-5662
IBM MQSeries for VSE/ESA User's Guide	SC33-1142
An Introduction to Messaging and Queuing	GC33-0805
MQSeries Planning Guide	GC33-1349
MQSeries Intercommunication	SC33-1872
MQSeries Clients	GC33-1632
http://www.software.ibm.com/ts/mqseries	
http://www.software.ibm.com/mqseries/mq/	





### MQSeries for Linux Software Requirements

- Linux kernel 2.2.5 or higher
- glibc V2.0.7 or higher
- pthreads V0.7 or higher
- libstdc++ V2.8.0 or higher
- **Red Hat Package Manager for installation**
- Apache Web Server 1.3
- Languages, Compilers and Development Environment
  - ► MQI C and C++ libraries are provided

- gcc and g++ compilers

- Support for non-threaded and threaded clients and local applications
- **TCP/IP network protocol only**



#### Web Browsers vs. MQSeries Everyplace

#### **Web Browsers**

- Good for WWW browsing
- Security options available but...
- Cannot tolerate intermittent failures or disconnection
- Can leave data locked during disconnection
- Uses inefficient data streams
- Must send display data and programs out as well as good data in
- Needs gateway for back-end connection

#### **MQSeries Everyplace**

- Tolerant of intermittent failures
- Suitable for disconnected use
- Assured delivery avoids data loss and open locks
- Efficient data compression
- High security available
- Sends only good data as needed by the application
- Suitable for machine-to-machine communication
- Can send messages directly to several back-end hosts at once
- Can connect to legacy applications