

Please give an example of message-oriented middleware in a computer system, and briefly explain why it is a message-oriented middleware.

Answer:

E-mail: Similar idea as regular mail. (See below). Although E-mail is usually delivered quickly (in seconds or minutes), it is still an asynchronous communication. The email server is involved and provides us with an intermediary to store and deliver our emails. The email itself is similar to a message.

Please give an example analogous to the idea of message-oriented middleware in your daily life (non IT or computing field), and briefly explain why it is analogous to message-oriented middleware.

Answer:

Regular mail: In this example, the message is similar to an mail. When we send a message, we just drop off the mail in the mailbox. Then USPS will pick it up even next day and deliver to the recipient's mailbox later. The recipient may pick the mail up even a few days later when this mail arrives at the mailbox. It is asynchronous communication.

Also, we can use the example of cell phone text message. Even though the text is delivered much faster (in seconds) than regular mail, we still can see it is an asynchronous communication, which does not require immediate action. The telecommunication company offers an intermediary between sender and receiver for our text message to be delivered.