ABSTRACT

An invention of a communication apparatus, a communication system, a communication method, in which communications are performed with a communication partner with data enciphered, and an information processing apparatus, an information processing system, an information processing method and service providing method is characterized in that, upon communications of data with the communication partner, the data is converted with a function of protocol which is common with the communication partner, and the function or protocol in converting means is updated in response to a communication operation with the communication partner.