

BRIEF DESCRIPTION OF THE INVENTION

[0005] In one embodiment, a computer-based method for providing bundled services to a client application in a service call to a service system in a service provider computer system includes receiving a message defining an API service request comprising at least a parameter portion and a payload portion, determining at the gateway system an identity of an application transmitting the received message using identity information that has been established within the service provider computer system, providing, by a services platform, at least one of encryption services and decryption services for data contained in the payload portion using the parameters received in the parameter portion, managing key material for security of the data, and transmitting the encrypted data back to the calling application.

[0006] In another embodiment, a computer system for processing data, such as client application service calls, the computer system includes a memory device and a processor in communication with the memory device and the computer system is programmed to receive a message defining an API service request comprising at least a parameter portion and a payload portion, determine at the gateway system an identity of an application transmitting the received message using identity information that has been established within the service provider computer system, provide, by a services platform, at least one of encryption services and decryption services for data contained in the payload portion using the parameters received in the parameter portion, manage key material for security of the data, and transmit the encrypted data back to the calling application.

[0007] In yet another embodiment, one or more non-transitory computer-readable storage media has computer-executable instructions embodied thereon, wherein when executed by at least one processor, the computer-executable instructions cause the processor to receive a message defining an API service request comprising at least a parameter portion and a payload portion, determine at the gateway system an identity of an application transmitting the received message using identity information that has been established within the service provider computer system, provide, by a services platform, at least one of encryption services and decryption services for data contained in the payload