**CLAIMS**

1. A method for information processing, comprising:

generating historical interaction information for an interaction event based on the interaction event between a target object and at least one business component, the historical interaction information comprising at least a knowledge element, the knowledge element describing a business object associated with the interaction event; and

providing the historical interaction information for interaction between the target object and a digital assistant.

2. The method of claim 1, wherein the knowledge element comprises a first part generated based on metadata of the business object.

3. The method of claim 2, wherein the business object comprises a document-type object, and the metadata comprises at least one of:

identification information of the document-type object,

user information of the document-type object, the user information indicating at least one user associated with the document-type object,

time information of the document-type object, the time information indicating a time of occurrence of a historical event associated with the document-type object,

propagation information of the document-type object, the propagation information indicating a degree of propagation of the document-type object,

permission information of the document-type object, the permission information indicating a permission management policy of the document-type object, and

a business component to which the document-type object belongs.

4. The method of claim 2, wherein the business object comprises a chat-type object, and the metadata indicates a chat type of the chat-type object, the chat type comprising one or more of the following:

a topical chat;

an internal chat;

an external chat;

a public chat;

a private chat; and

a group chat.

5. The method of claim 1, wherein the knowledge element comprises a second part generated based on content of the business object.

6. The method of claim 5, wherein the business object comprises a document-type object, and the second part indicates at least one of the following:

a completion status of the content,

an overview of the content,

a type of the content,

a keyword of the content,

a target user of the content, and

style information of the content.

7. The method of claim 5, wherein the business object comprises a document-type object, the document-type object comprises a plurality of segments, and the knowledge element indicates an overview of each of the plurality of segments of the document-type object;

and/or

wherein the plurality of segments are split based on a structure of the document-type object.

8. The method of claim 5, wherein the business object comprises a chat-type object, and the knowledge element indicates at least one of:

a function description of the chat-type object, and

an overview of message content in the chat-type object.

9. The method of claim 5, wherein the business object comprises a chat-type object, a plurality of messages in the chat-type object are aggregated into a plurality of message sets, and the knowledge element indicates an overview of each of the plurality of message sets;

and/or

wherein,

the plurality of message sets are aggregated based on times of the plurality of messages in the chat-type object; or

the plurality of message sets are aggregated based on topics to which the plurality of messages in the chat belong.

10. The method of claim 1, wherein the knowledge element has a content structure corresponding to a type of the business object.

11. The method of claim 1, wherein the business object comprises a document object, and the knowledge element indicates definition description of a set of non-generic words comprised in the document object.

12. The method of claim 1, wherein the historical interaction information further comprises an action element indicating an event type of the interaction event.

13. The method of claim 12, wherein the event type comprises at least one of the following:

a production event associated with the business object,

a consumption event associated with the business object,

a circulation event associated with the business object,

a management event associated with the business object, and

an interaction event associated with the business object.

14. The method of claim 1, wherein the historical interaction information further comprises:

a time element indicating a time of occurrence of the interaction event; and/or

a payload element for indexing the business object associated with the interaction event.

15. The method of claim 1, further comprising:

acquiring first information input by the target object to the digital assistant; and

generating second information at least based on the first information and the historical interaction information, as a reply of the digital assistant to the first information.

16. The method of claim 15, wherein generating the second information at least based on the first information and the historical interaction information comprises:

processing the first information based on the historical interaction information to generate third information;

providing the third information to a target processing entity; and

generating the second information based on a processing result of the target processing entity for the third information;

and/or

wherein the third information comprises guidance information, and the target processing entity comprises a target model.

17. The method of claim 15, wherein the historical interaction information comprises a set of record entries, and generating the second information at least based on the first information and the historical interaction information comprises:

determining at least one record entry associated with the first information from the set of record entries; and

generating the second information based on the first information and the at least one record entry.

18. An apparatus for information processing, comprising:

a generating module, configured to generate historical interaction information for an interaction event based on the interaction event between a target object and at least one business component, the historical interaction information comprising at least a knowledge element, the knowledge element describing a business object associated with the interaction event; and

a providing module, configured to provide the historical interaction information for interaction between the target object and a digital assistant.

19. An electronic device, comprising:

at least one processing unit; and

at least one memory coupled to the at least one processing unit and storing instructions executable by the at least one processing unit, the instructions, when executed by the at least one processing unit, causing the electronic device to perform the method of any of claims 1 to 17.

20. A computer-readable storage medium having a computer program stored thereon, the computer program being executable by a processor to perform the method of any of claims 1 to 17.