

TEAM CONFIGURATION METHOD, AND METHOD AND APPARATUS FOR SHARING TEAM CONFIGURATION SOLUTION

The present application claims the priority to Chinese Patent Application No.
5 201710432080.1, entitled "TEAM CONFIGURATION METHOD, AND METHOD AND
APPARATUS FOR SHARING TEAM CONFIGURATION SOLUTION" and filed on June
9, 2017, which is incorporated herein by reference in its entirety.

Technical Field

10 The present application relates to the technical field of communications, and, more
particularly, to a team configuration method, and a method and an apparatus for sharing a
team configuration scheme.

Background

15 In the related technologies, a team concept is proposed, and team members can realize
quick communication through the team. For example, by only sending a message notification
for the team, all the team members can obtain the corresponding notification content without
separately communicating with each team member individually, which greatly improves
communication efficiency. For example, in the related technologies, mobile group office
20 platforms have been more and more widely used in the office working processes of various
groups such as enterprises, educational institutions, and government agencies. By creating a
team based on the mobile group office platform, communication efficiency between team
members can be improved and communication costs can be reduced.

25 With the continuous development of team-related technologies, teams in the related
technologies have been able to implement more and more functions, such as attendance
check, conference calls, and daily work reports within the teams, which can effectively
improve the event processing efficiency and office working efficiency of team members.

30 When there is a small number of functions, all of the functions may be configured for
each team; however, as more and more team-related functions become available, configuring
all functions for each team will hinder team members in quickly enabling required functions.
This causes a decrease in efficiency. Therefore, different teams should select and configure
the actually required functions according to their actual needs.

35 However, due to the large number of functions, it is difficult to understand or try out
various functions one by one, which is not conducive to the team's convenient configuration
operation of functions.

Summary

In view of the above problems, the present application provides a team configuration method and a method and apparatus for sharing a team configuration scheme, thereby improving the configuration efficiency for teams.

5 To achieve the above objective, the present application provides the technical solutions as follows:

According to a first aspect of the present application, a team configuration method is provided, including:

10 creating a team according to a received team creation instruction;
obtaining alternative function configuration schemes applicable to the team; and
selecting at least one function configuration scheme from the alternative function configuration schemes such that the selected function configuration scheme is applied to configure functions of the team.

15 According to a second aspect of the present application, a team configuration method is provided, including:

obtaining alternative function configuration schemes applicable to a team; and
selecting at least one function configuration scheme from the alternative function configuration schemes such that the selected function configuration scheme is applied to configure functions of the team.

20 According to a third aspect of the present application, a team configuration method is provided, including:

obtaining alternative configuration schemes applicable to a team; and
selecting at least one configuration scheme from the alternative configuration schemes such that the selected configuration scheme is applied to configure the team.

25 According to a fourth aspect of the present application, a team configuration method is provided, including:

receiving a scheme switching instruction for a team; and
determining, from function configuration schemes associated with the team, a target function configuration scheme indicated by the scheme switching instruction such that the
30 target function configuration scheme is applied to configure functions of the team.

According to a fifth aspect of the present application, a team configuration method is provided, including:

selecting a target function configuration scheme from function configuration schemes associated with a team such that the target function configuration scheme is applied to

configure functions of the team.

According to a sixth aspect of the present application, a method for sharing a team configuration scheme is provided, including:

- generating a function configuration scheme corresponding to a team according to functions adopted by the team; and
- sharing the function configuration scheme to another team to configure functions of the other team.

According to a seventh aspect of the present application, a method for sharing a team configuration scheme is provided, including:

- determining a function configuration scheme adopted by a team; and
- sharing the function configuration scheme to another team to configure functions of the other team.

According to an eighth aspect of the present application, a method for sharing a team configuration scheme is provided, including:

- generating a function configuration scheme corresponding to a team according to functions adopted by the team; and
- sharing the function configuration scheme to a shared platform such that the function configuration scheme is pushed by the shared platform to another team to configure functions of the other team; or
- sharing the function configuration scheme to the shared platform to configure the functions of the other team, wherein the other team has an access permission to the shared platform.

According to a ninth aspect of the present application, a method for sharing a team configuration scheme is provided, including:

- determining a function configuration scheme adopted by a team; and
- sharing the function configuration scheme to a shared platform such that the function configuration scheme is pushed by the shared platform to another team to configure functions of the other team; or
- sharing the function configuration scheme to the shared platform to configure the functions of the other team, wherein the other team has an access permission to the shared platform.

According to a tenth aspect of the present application, a team configuration apparatus is provided, including:

- a creating unit configured to create a team according to a received team creation

instruction;

a first obtaining unit configured to obtain alternative function configuration schemes applicable to the team; and

5 a first selecting unit configured to select at least one function configuration scheme from the alternative function configuration schemes such that the selected function configuration scheme is applied to configure functions of the team.

According to an eleventh aspect of the present application, a team configuration apparatus is provided, including:

10 a second obtaining unit configured to obtain alternative function configuration schemes applicable to a team; and

a second selecting unit configured to select at least one function configuration scheme from the alternative function configuration schemes such that the selected function configuration scheme is applied to configure functions of the team.

15 According to a twelfth aspect of the present application, a team configuration apparatus is provided, including:

a third obtaining unit configured to obtain alternative configuration schemes applicable to a team; and

20 a third selecting unit configured to select at least one configuration scheme from the alternative configuration schemes such that the selected configuration scheme is applied to configure the team.

According to a thirteenth aspect of the present application, a team configuration apparatus is provided, including:

a switching instruction receiving unit configured to receive a scheme switching instruction for a team; and

25 a switching unit configured to determine, from function configuration schemes associated with the team, a target function configuration scheme indicated by the scheme switching instruction such that the target function configuration scheme is applied to configure functions of the team.

30 According to a fourteenth aspect of the present application, a team configuration apparatus is provided, including:

a fourth selecting unit configured to select a target function configuration scheme from function configuration schemes associated with a team such that the target function configuration scheme is applied to configure functions of the team.

According to a fifteenth aspect of the present application, an apparatus for sharing a team configuration scheme is provided, including:

a first generating unit configured to generate a function configuration scheme corresponding to a team according to functions adopted by the team; and

5 a first sharing unit configured to share the function configuration scheme to another team to configure functions of the other team.

According to a sixteenth aspect of the present application, an apparatus for sharing a team configuration scheme is provided, including:

10 a first scheme determining unit configured to determine a function configuration scheme adopted by a team; and

a second sharing unit configured to share the function configuration scheme to another team to configure functions of the other team.

According to a seventeenth aspect of the present application, an apparatus for sharing a team configuration scheme is provided, including:

15 a second generating unit configured to generate a function configuration scheme corresponding to a team according to functions adopted by the team; and

a third sharing unit configured to share the function configuration scheme to a shared platform such that the function configuration scheme is pushed by the shared platform to another team to configure the functions of the other team; or share the function configuration
20 scheme to the shared platform to configure the functions of the other team, wherein the other team has an access permission to the shared platform.

According to an eighteenth aspect of the present application, \ an apparatus for sharing a team configuration scheme is provided, including:

25 a second scheme determining unit configured to determine a function configuration scheme adopted by a team; and

a fourth sharing unit configured to share the function configuration scheme to a shared platform such that the function configuration scheme is pushed by the shared platform to another team to configure functions of the other team; or share the function configuration
30 scheme to the shared platform to configure the functions of other team, wherein the other team has an access permission to the shared platform.

As shown from the above technical solutions, the present application provides alternative function configuration schemes for a team, so that functions applicable to the team can be quickly configured without the need to understand or try out all the functions one by one, which greatly improves the efficiency of configuring the team.

Brief Description of the Drawings

FIG. 1 is a schematic architecture diagram of a team configuration system according to an example embodiment of the present application;

5 FIG. 2 is a flowchart of a team configuration method according to an example embodiment of the present application;

FIG. 3 is a flowchart of another team configuration method according to an example embodiment of the present application;

FIG. 4 is a flowchart of a yet another team configuration method according to an example embodiment of the present application;

10 FIG. 5 is a flowchart of a yet another team configuration method according to an example embodiment of the present application;

FIG. 6 is a flowchart of a yet another team configuration method according to an example embodiment of the present application;

15 FIG. 7 is a schematic diagram of a team creation interface according to an example embodiment of the present application;

FIG. 8 is a schematic diagram of a working mode selection interface according to an example embodiment of the present application;

FIG. 9 is a schematic diagram of an enterprise function interface according to an example embodiment of the present application;

20 FIG. 10 is a schematic diagram of another enterprise function interface according to an example embodiment of the present application;

FIG. 11 is a schematic diagram of a yet another enterprise function interface according to an example embodiment of the present application;

25 FIG. 12 is a schematic diagram of a yet another enterprise function interface according to an example embodiment of the present application;

FIG. 13 is a schematic architecture diagram of a system for sharing a team configuration scheme according to an example embodiment of the present application;

FIG. 14A is a flowchart of a method for sharing a team configuration scheme according to an example embodiment of the present application;

30 FIG. 14B is a flowchart of another method for sharing a team configuration scheme according to an example embodiment of the present application;

FIG. 15A is a flowchart of a yet another method for sharing a team configuration scheme according to an example embodiment of the present application;

FIG. 15B is a flowchart of a yet another method for sharing a team configuration

scheme according to an example embodiment of the present application;

FIG. 16 is a schematic diagram of a working mode creation interface according to an example embodiment of the present application;

FIG. 17 is a schematic diagram of a yet another enterprise function interface
5 according to an example embodiment of the present application;

FIG. 18 shows a schematic structural diagram of an electronic device according to an example embodiment of the present application;

FIG. 19 is a block diagram of a team configuration apparatus according to an example embodiment of the present application;

10 FIG. 20 is another block diagram of a team configuration apparatus according to an example embodiment of the present application;

FIG. 21 is a yet another block diagram of a team configuration apparatus according to an example embodiment of the present application;

15 FIG. 22 is a yet another block diagram of a team configuration apparatus according to an example embodiment of the present application;

FIG. 23 is a yet another block diagram of a team configuration apparatus according to an example embodiment of the present application;

FIG. 24 shows a schematic structural diagram of another electronic device according to an example embodiment of the present application;

20 FIG. 25 is a block diagram of an apparatus for sharing a team configuration scheme according to an example embodiment of the present application;

FIG. 26 is another block diagram of an apparatus for sharing a team configuration scheme according to an example embodiment of the present application;

25 FIG. 27 is a yet another block diagram of an apparatus for sharing a team configuration scheme according to an example embodiment of the present application; and

FIG. 28 is a yet another block diagram of an apparatus for sharing a team configuration scheme according to an example embodiment of the present application.

Detailed Description

30 Example embodiments will be described in detail herein, examples of which are illustrated in figures. When the following description refers to figures, same numerals in different figures refer to the same or similar elements, unless otherwise indicated. The implementations described in the following example embodiments do not represent all embodiments consistent with the present application. Instead, they are merely examples of

devices and methods consistent with some aspects, as detailed in the appended claims, of the present application.

According to the present disclosure, by providing alternative function configuration schemes to a team, it can allow the team to quickly configure functions of the team by simply selecting a function configuration scheme from the alternative function configuration schemes, without the need to view and select functions one by one from a large number of functions. This not only helps to improve team configuration efficiency, but also ensures the functions included in the alternative function configuration scheme to be more appropriate to the actual needs of the team.

In order to further illustrate the present application, the following embodiments are provided.

FIG. 1 is a schematic architecture diagram of a team configuration system according to an example embodiment of the present application. As shown in FIG. 1, the system may include a server 11, a network 12, and a plurality of electronic devices, such as a mobile phone 13, and a PC 14.

The server 11 may be a physical server including a separate host, or the server 11 may be a virtual server hosted by a host cluster, or the server 11 may be a cloud server. During operation, the server 11 may run a server-side program of an application to implement related functions of the application. For example, when running the program of a mobile group office platform, the server 11 may be implemented as a server terminal of the mobile group office platform. In the technical solution of the present application, the server 11 can cooperate with a client terminal running on the mobile phone 13 and the PC 14 to implement team configuration or share a team configuration scheme; certainly, in some embodiments, the server 11 may also implement team configuration or share a team configuration scheme only on the server side without the need to cooperate with a client terminal.

The mobile group office platform here not only may realize the communication function, but also may be used as an integrated function platform of many other functions, for example, for processing internal events of an team, such as approval events (such as leave, office supply application, financial and other approval events), attendance events, task events and log events, and for another example, for processing external events of the team, such as meal ordering and purchasing, which is not limited in the present application.

More specifically, the mobile group office platforms may be hosted in instant messaging applications in related technologies, for example, Enterprise Instant Messaging (EIM) applications such as Skype For Business®, Microsoft Teams®, Yammer®,

Workplace®, Slack®, Enterprise WeChat®, Fxiaoke®, Enterprise Fetion®, Enterprise easychat® and the like. Certainly, the instant messaging function is only one of the communication functions supported by the mobile group office platform. The group office platform can also implement more functions as mentioned above, which will not be elaborated here.

The mobile phone 13 or the PC 14 is just one type of electronic devices that may be used by users. In fact, users apparently may also use such electronic devices as tablet devices, notebook computers, PDAs (Personal Digital Assistants), wearable devices (such as smart glasses and smart watches), etc., which is not limited by the present application. During operation, the electronic device may run a client-side program of an application to implement related functions of the application. For example, when running the program of a mobile group office platform, the electronic device may be implemented as a client terminal of the mobile group office platform. It should be noted that the application at a client terminal of the mobile group office platform may be pre-installed on the electronic device so that the client terminal may be enabled and run on the electronic device. Certainly, when using an on-line "client terminal" such as HTML5 technology", the client terminal may be obtained and run without installing the corresponding application on the electronic device.

The network 12 in which the mobile phone 13 and the PC 14 interact with the server 11 may include various types of wired or wireless networks. In an embodiment, the network 12 may include a Public Switched Telephone Network (PSTN) and the Internet. Moreover, the electronic devices such as the mobile phone 13 and the PC 14 may also perform communication interaction with each other through the network 12, by, for example, establishing a private chat communication session between any two electronic devices; or, a plurality of electronic devices may participate in a group chat communication session corresponding to the same team, so that any team member may send a communication message to all other team members in the group chat communication session through his/her own electronic device.

The process of configuring the functions of a team in the present application will be described below with reference to the embodiments.

FIG. 2 is a flowchart of a team configuration method according to an example embodiment of the present application. As shown in FIG. 2, the method may be applied to, for example, the server 11 shown in FIG. 1, and may also be applied to, for example, the mobile phone 13 or the PC 14 shown in FIG. 1, and the method may include the following steps.

In step 202, a team is created according to a received team creation instruction.

In this embodiment, the techniques assist the team to quickly and conveniently complete configuration operation by providing alternative function configuration schemes applicable to the team during the process of creating the team or after the team creation is just completed. Certainly, in other embodiments, alternative function configuration schemes applicable to the team may be provided at any other time to implement function configuration of the team.

In step 204, alternative function configuration schemes applicable to the team are obtained.

In this embodiment, it can assist a creator or other administrator of the team as much as possible by actively providing corresponding alternative function configuration schemes. Certainly, in other embodiments, the creator or other administrator of the team may also actively obtain alternative function configuration schemes to implement the function configuration of the team.

In this embodiment, a team type to which the team belongs may be determined according to attribute information of the team; and then function configuration schemes corresponding to the team type are obtained as the alternative function configuration schemes. For example, the attribute information of the team may include at least one of: geographical location information, the number of members, team affiliation information, industry affiliation information, etc., which is not limited by the present application; only one single type of attribute information of the team may be referred to, or multiple types of attribute information of the team may also be referred to. Taking "industry affiliation information" as an example, when the above-mentioned team belongs to the catering industry, function configuration schemes applicable to the catering industry rather than function configuration schemes applicable to the logistics industry should be preferably used as alternative function configuration schemes of the team. Certainly, function configuration schemes in some industries may also be applicable to other industries. For example, the function configuration schemes applicable to the Internet industry may also be applicable to the traditional industry, and the present application does not limit this.

In this embodiment, for the "geographical location information" attribute of the team, it may be understood that although the "team" itself may not be an entity, associated geographical location information may still be configured for the team; for example, the geographical location information may be an area in which a team creator is located, an area in which the team members are located, or any area set by a team administrator, etc., which is

not limited by the present application.

In this embodiment, for the "team affiliation information" attribute of the team, the "team" may include various organizations such as an enterprise, a school, a military unit, a hospital, and an institution, which is not limited by the present application. For example, in the case of an enterprise, a team that includes all employees of the enterprise may be created or a team that includes enterprise employees of a certain division.

In this embodiment, for the "industry affiliation information" attribute of the team, the "industry" may be understood from different fine granularities. For example, in a larger fine granularity, the industry may be divided into different organization types such as an enterprise, a school, a military unit, a hospital, and an institution; in a smaller fine granularity, such as the "enterprise" may be further divided into the catering industry, the logistics industry, Internet industry, etc.

In this embodiment, the alternative function configuration schemes may include at least one of: a preset function configuration scheme, and function configuration schemes adopted by other teams. The preset function configuration scheme here may be a predefined function configuration scheme on a server terminal, and all the teams may view and use the preset function configuration scheme at any time. Moreover, by referring to the function configuration schemes adopted by other teams, especially when the other teams or groups to which the other teams belong have a good development state, the function configuration scheme will have greater reference significance and has greater possibility to help the above-mentioned teams to improve the efficiency.

In step 206, at least one function configuration scheme is selected from the alternative function configuration schemes such that the selected function configuration scheme is applied to configure the functions of the team.

In this embodiment, the function may include any function associated with the team for implementing a corresponding business event or non-business event. The association relationship may be embodied in multiple aspects. For example, in an implementation, an association display interface of the team may include a control entry for the functions, so that team members can call the corresponding function or enter the control interface of the function, etc., by triggering the control entry; in another implementation, members of the team may have control permissions to the function; for example, when the function is associated with the team, the members of the team may be given control permissions to the function, and for functions unconcerned to the team, the members of the team may not have the corresponding control permissions, thus being unable to control the corresponding

functions.

In this embodiment, the team may belong to a preset group, such as an enterprise team belonging to a preset enterprise, and a school team belonging to a preset school. Certainly, the team of the present application is not limited to a team within the group, but may also include other teams in the related technology, such as hobby teams, dating teams, and other teams that are not related to the group.

In this embodiment, update data for the selected function configuration scheme may be received, and functions configured for the team are updated according to the update data to maintain the configuration status of the team up to date. The update data here may be derived from a scheme update operation implemented by a creator of the selected function configuration scheme; for example, when the function configuration scheme is derived from function configuration schemes shared by other teams, if other teams update their functions through the scheme update operation, the functions of the above team may be updated automatically. Certainly, the update operation based on the update data may be automatically executed; or an update prompt may be sent to the administrator of the above team, and then it is determined to perform the update or ignore the update according to the response of the administrator.

FIG. 3 is a flowchart of another team configuration method according to an example embodiment of the present application. As shown in FIG. 3, the method may be applied to, for example, the server 11 shown in FIG. 1, and may also be applied to, for example, the mobile phone 13 or the PC 14 shown in FIG. 1, and the method may include the following steps.

In step 302, alternative function configuration schemes applicable to the team are obtained.

In this embodiment, it can assist the team to quickly and conveniently complete configuration operation by providing alternative function configuration schemes applicable to the team during the process of creating the team or after the team creation is just completed. Certainly, in other embodiments, alternative function configuration schemes applicable to the team may be provided at any other time to implement function configuration of the team.

In this embodiment, it can assist a creator or other administrator of the team as much as possible by actively providing corresponding alternative function configuration schemes. Certainly, in other embodiments, the creator or other administrator of the team may also actively obtain alternative function configuration schemes to implement the function configuration of the team.

In this embodiment, a team type to which the team belongs may be determined according to attribute information of the team; and then function configuration schemes corresponding to the team type are obtained as the alternative function configuration schemes. For example, the attribute information of the team may include at least one of:
5 geographical location information, the number of members, team affiliation information, industry affiliation information, etc., which is not limited by the present application; only one single type of attribute information of the team may be referred to, or multiple types of attribute information of the team may also be referred to. Taking "industry affiliation information" as an example, when the above-mentioned team belongs to the catering
10 industry, function configuration schemes applicable to the catering industry rather than function configuration schemes applicable to the logistics industry should be preferably used as alternative function configuration schemes of the team. Certainly, function configuration schemes in some industries may also be applicable to other industries. For example, the function configuration schemes applicable to the Internet industry may also be applicable to
15 the traditional industry, and the present application does not limit this.

In this embodiment, for the "geographical location information" attribute of the team, it may be understood that although the "team" itself may not be an entity, associated geographical location information may still be configured for the team; for example, the geographical location information may be an area in which a team creator is located, an area
20 in which the team members are located, or any area set by a team administrator, etc., which is not limited by the present application.

In this embodiment, for the "team affiliation information" attribute of the team, the "team" may include various organizations such as an enterprise, a school, a military unit, a hospital, and an institution, which is not limited by the present application. For example, in
25 the case of an enterprise, a team that includes all employees of the enterprise may be created or a team that includes enterprise employees of a certain division.

In this embodiment, for the "industry affiliation information" attribute of the team, the "industry" may be understood from different fine granularities. For example, in a larger fine granularity, the industry may be divided into different organization types such as an
30 enterprise, a school, a military unit, a hospital, and an institution; in a smaller fine granularity, such as the "enterprise" may be further divided into the catering industry, the logistics industry, Internet industry, etc.

In this embodiment, the alternative function configuration schemes may include at least one of: a preset function configuration scheme, and function configuration schemes

adopted by other teams. The preset function configuration scheme here may be a predefined function configuration scheme on a server terminal, and all the teams may view and use the preset function configuration scheme at any time. Moreover, by referring to the function configuration schemes adopted by other teams, especially when the other teams or groups to which the other teams belong have a good development state, the function configuration scheme will have greater reference significance and has greater possibility to help the above-mentioned teams to improve the efficiency.

In step 304, at least one function configuration scheme is selected from the alternative function configuration schemes such that the selected function configuration scheme is applied to configure the functions of the team.

In this embodiment, the function may include any function associated with the team for implementing a corresponding business event or non-business event. The association relationship may be embodied in multiple aspects. For example, in an implementation, an association display interface of the team may include a control entry for the functions, so that team members can call the corresponding function or enter the control interface of the function, etc., by triggering the control entry; in another implementation, members of the team may have control permissions to the function; for example, when the function is associated with the team, the members of the team may be given control permissions to the function, and for functions unconcerned to the team, the members of the team may not have the corresponding control permissions, thus being unable to control the corresponding functions.

In this embodiment, the team may belong to a preset group, such as an enterprise team belonging to a preset enterprise, and a school team belonging to a preset school. Certainly, the team of the present application is not limited to a team within the group, but may also include other teams in the related technology, such as hobby teams, dating teams, and other teams that are not related to the group.

In this embodiment, update data for the selected function configuration scheme may be received, and functions configured for the team are updated according to the update data to maintain the configuration status of the team up to date. The update data here may be derived from a scheme update operation implemented by a creator of the selected function configuration scheme; for example, when the function configuration scheme is derived from function configuration schemes shared by other teams, if other teams update their functions through the scheme update operation, the functions of the above team may be updated automatically. Certainly, the update operation based on the update data may be automatically

executed; or an update prompt maybe sent to the administrator of the above team, and then it is determined to perform the update or ignore the update according to the response of the administrator.

FIG. 4 is a flowchart of a yet another team configuration method according to an example embodiment of the present application. As shown in FIG. 4, the method may be applied to, for example, the server 11 shown in FIG. 1, and may also be applied to, for example, the mobile phone 13 or the PC 14 shown in FIG. 1, and the method may include the following steps.

In step 402, alternative configuration schemes applicable to a team are obtained.

In this embodiment, it can assist the team to quickly and conveniently complete configuration operation by providing alternative configuration schemes applicable to the team during the process of creating the team or after the team creation is just completed. Certainly, in other embodiments, alternative configuration schemes applicable to the team may be provided at any other time to implement configuration of the team.

In this embodiment, it can assist a creator or other administrator of the team as much as possible by actively providing corresponding alternative configuration schemes. Certainly, in other embodiments, the creator or other administrator of the team may also actively obtain alternative configuration schemes to implement the configuration of the team.

In this embodiment, a team type to which the team belongs may be determined according to attribute information of the team; and then function configuration schemes corresponding to the team type are obtained as the alternative configuration schemes. For example, the attribute information of the team may include at least one of: geographical location information, the number of members, team affiliation information, industry affiliation information, etc., which is not limited by the present application; only one single type of attribute information of the team may be referred to, or multiple types of attribute information of the team may also be referred to. Taking "industry affiliation information" as an example, when the above-mentioned team belongs to the catering industry, configuration schemes applicable to the catering industry rather than configuration schemes applicable to the logistics industry should be preferably used as alternative function configuration schemes of the team. Certainly, configuration schemes in some industries may also be applicable to other industries. For example, configuration schemes applicable to the Internet industry may also be applicable to the traditional industry, and the present application does not limit this.

In this embodiment, for the "geographical location information" attribute of the team, it may be understood that although the "team" itself may not be an entity, associated

geographical location information may still be configured for the team; for example, the geographical location information may be an area in which a team creator is located, an area in which the team members are located, or any area set by a team administrator, etc., which is not limited by the present application.

5 In this embodiment, for the "team affiliation information" attribute of the team, the "team" may include various organizations such as an enterprise, a school, a military unit, a hospital, and an institution, which is not limited by the present application. For example, in the case of an enterprise, a team that includes all employees of the enterprise may be created or a team that includes enterprise employees of a certain division.

10 In this embodiment, for the "industry affiliation information" attribute of the team, the "industry" may be understood from different fine granularities. For example, in a larger fine granularity, the industry may be divided into different organization types such as an enterprise, a school, a military unit, a hospital, and an institution; in a smaller fine granularity, such as the "enterprise" may be further divided into the catering industry, the logistics
15 industry, Internet industry, etc.

In this embodiment, the alternative configuration schemes may include at least one of: a preset configuration scheme, and configuration schemes adopted by other teams. The preset configuration scheme here may be a predefined function configuration scheme on a server
20 terminal, and all the teams may view and use the preset function configuration scheme at any time. Moreover, by referring to the configuration schemes adopted by other teams, especially when the other teams or groups to which the other teams belong have a good development state, the configuration scheme will have greater reference significance and has greater possibility to help the above-mentioned teams to improve the efficiency.

25 In step 404, at least one configuration scheme is selected from the alternative configuration schemes such that the selected configuration scheme is applied to configure the team.

In this embodiment, the configuration scheme may include any type of scheme. For example, the configuration scheme may include a function configuration scheme which may
30 be referred to for configuring the function of the team. For another example, the configuration scheme may include other types of configuration schemes, such as an interface configuration scheme, and the interface configuration scheme may be referred to for configuring a content layout of the associated display interface of the team. For yet another example, the configuration scheme may include an organizational structure configuration

scheme, which may be referred to for configuring the organizational structure of the team. The types of configuration schemes will not be listed here one by one. In fact, all the schemes related to the team configuration may be included in the configuration scheme of the present application.

5 In this embodiment, the configuration scheme may be used only for configuration of the team in a single dimension, such as configuring a function, etc.; or, the configuration scheme may also be used to configure multiple dimensions of the team, such as simultaneously configuring the function, the content layout of an associated display interface, etc.

10 In this embodiment, the team may belong to a preset group, such as an enterprise team belonging to a preset enterprise, and a school team belonging to a preset school. Certainly, the team of the present application is not limited to a team within the group, but may also include other teams in the related technology, such as hobby teams, dating teams, and other teams that are not related to the team.

15 In this embodiment, update data for the selected configuration scheme may be received, and the configuration of the team is updated according to the update data to maintain the configuration status of the team up to date. The update data here may be derived from a scheme update operation implemented by a creator of the selected configuration scheme; for example, when the configuration scheme is derived from function configuration
20 schemes shared by other teams, if other teams update their configurations through the scheme update operation, the configuration of the above team may be updated automatically. Certainly, the update operation based on the update data may be automatically executed; or an update prompt may be sent to the administrator of the above team, and then it is determined to perform the update or ignore the update according to the response of the
25 administrator.

FIG. 5 is a flowchart of a yet another team configuration method according to an example embodiment of the present application. As shown in FIG. 5, the method may be applied to, for example, the server 11 shown in FIG. 1, and may also be applied to, for example, the mobile phone 13 or the PC 14 shown in FIG. 1, and the method may include the
30 following steps.

In step 502, a scheme switching instruction for a team is received.

In step 504, a target function configuration scheme indicated by the scheme switching instruction is determined from function configuration schemes associated with the team such that the target function configuration scheme is applied to configure the functions of the

team.

In this embodiment, the team may have one or more associated function configuration schemes, and the alternative function configuration schemes may include at least one of: a preset function configuration scheme, and function configuration schemes adopted by other teams. The preset function configuration scheme here may be a predefined function configuration scheme on a server terminal, and all the teams may view and use the preset function configuration scheme at any time. Moreover, by referring to the function configuration schemes adopted by other teams, especially when the other teams or groups to which the other teams belong have a good development state, the function configuration scheme will have greater reference significance and has greater possibility to help the above-mentioned teams to improve the efficiency.

In this embodiment, when the team has multiple associated function configuration schemes, the function configuration scheme adopted by the team may be switched based on a scheme switching instruction. When different function configuration schemes are adopted, they may be applied to different types of environments and scenarios; for example, in an enterprise scenario, different function configuration schemes may be adopted in a working time period and a non-working time period, respectively. For example, the above-mentioned scheme switching instruction may be released by a team administrator to switch the function configuration scheme; or, the server may automatically release a scheme switching instruction according to a switching condition predefined by, for example, the administrator, to automatically switch the function configuration scheme when the switching condition is reached.

In this embodiment, the function may include any function associated with the team for implementing a corresponding business event or non-business event. The association relationship may be embodied in multiple aspects. For example, in an implementation, an association display interface of the team may include a control entry for the functions, so that team members can call the corresponding function or enter the control interface of the function, etc., by triggering the control entry; in another implementation, members of the team may have control permissions to the function; for example, when the function is associated with the team, the members of the team may be given control permissions to the function, and for functions unconcerned to the team, the members of the team may not have the corresponding control permissions, thus being unable to control the corresponding functions.

In this embodiment, the team may belong to a preset group, such as an enterprise team belonging to a preset enterprise, and a school team belonging to a preset school. Certainly, the team of the present application is not limited to a team within the group, but may also include other teams in the related technology, such as hobby teams, dating teams, and other teams that are not related to the group.

In this embodiment, update data for the selected function configuration scheme may be received, and functions configured for the team are updated according to the update data to maintain the configuration status of the team up to date. The update data here may be derived from a scheme update operation implemented by a creator of the selected function configuration scheme; for example, when the function configuration scheme is derived from function configuration schemes shared by other teams, if other teams update their functions through the scheme update operation, the functions of the above team may be updated automatically. Certainly, the update operation based on the update data may be automatically executed; or an update prompt maybe sent to the administrator of the above team, and then it is determined to perform the update or ignore the update according to the response of the administrator.

FIG. 6 is a flowchart of a yet another team configuration method according to an example embodiment of the present application. As shown in FIG. 6, the method may be applied to, for example, the server 11 shown in FIG. 1, and may also be applied to, for example, the mobile phone 13 or the PC 14 shown in FIG. 1, and the method may include the following steps.

In step 602, a target function configuration scheme is selected from function configuration schemes associated with a team such that the target function configuration scheme is applied to configure the functions of the team.

In this embodiment, the team may have one or more associated function configuration schemes, and the alternative function configuration schemes may include at least one of: a preset function configuration scheme, and function configuration schemes adopted by other teams. The preset function configuration scheme here may be a predefined function configuration scheme on a server terminal, and all the teams may view and use the preset function configuration scheme at any time. Moreover, by referring to the function configuration schemes adopted by other teams, especially when the other teams or groups to which the other teams belong have a good development state, the function configuration scheme will have greater reference significance and has greater possibility to help the above-mentioned teams to improve the efficiency.

In this embodiment, when the team has multiple associated function configuration schemes, the function configuration scheme adopted by the team may be switched based on a scheme switching instruction. When different function configuration schemes are adopted, they may be applied to different types of environments and scenarios; for example, in an enterprise scenario, different function configuration schemes may be adopted in a working time period and a non-working time period, respectively. For example, the above-mentioned scheme switching instruction may be released by a team administrator to switch the function configuration scheme; or, the server may automatically release a scheme switching instruction according to a switching condition predefined by, for example, the administrator, to automatically switch the function configuration scheme when the switching condition is reached.

In this embodiment, when the team has one or more associated function configuration schemes, the team does not necessarily apply these function configuration schemes; in other words, only the function configuration schemes may be only associated with the team, but not apply them to the team, that is, the team may configure functions without referring to the associated function configuration schemes. Certainly, the function configuration schemes associated to the team may be selected at any time to be applied to the team to configure the functions of the team.

In this embodiment, the function may include any function associated with the team for implementing a corresponding business event or non-business event. The association relationship may be embodied in multiple aspects. For example, in an implementation, an association display interface of the team may include a control entry for the functions, so that team members can call the corresponding function or enter the control interface of the function, etc., by triggering the control entry; in another implementation, members of the team may have control permissions to the function; for example, when the function is associated with the team, the members of the team may be given control permissions to the function, and for functions unconcerned to the team, the members of the team may not have the corresponding control permissions, thus being unable to control the corresponding functions.

In this embodiment, the team may belong to a preset group, such as an enterprise team belonging to a preset enterprise, and a school team belonging to a preset school. Certainly, the team of the present application is not limited to a team within the group, but may also include other teams in the related technology, such as hobby teams, dating teams, and other teams that are not related to the group.

In this embodiment, update data for the selected function configuration scheme may be received, and functions configured for the team are updated according to the update data to maintain the configuration status of the team up to date. The update data here may be derived from a scheme update operation implemented by a creator of the selected function configuration scheme; for example, when the function configuration scheme is derived from function configuration schemes shared by other teams, if other teams update their functions through the scheme update operation, the functions of the above team may be updated automatically. Certainly, the update operation based on the update data may be automatically executed; or an update prompt maybe sent to the administrator of the above team, and then it is determined to perform the update or ignore the update according to the response of the administrator.

For ease of understanding, the technical solution of the present application is described by taking an enterprise instant messaging application "Enterprise WeChat" as an example. It is assumed that the mobile phone 13 runs an Enterprise WeChat client terminal, and the server 11 runs an Enterprise WeChat server terminal; the Enterprise WeChat client terminal on the mobile phone 13 is logged in with a registered account of User A, and then User A may create a team and configure the functions of the team through the Enterprise WeChat client terminal running on the mobile phone 13. In the technical solution of the present application, the team may be understood as a group including a plurality of individuals, and may be specifically embodied in various forms, for example, in a form of an enterprise group in the Enterprise WeChat, and group members are group members of the enterprise group.

FIG. 7 is a schematic diagram of a team creation interface according to an example embodiment of the present application. As shown in FIG. 7, the team creation interface may include "Team Name", "Industry", "Enterprise Size", "Region", "Team Member" and other items, which may be used by User A to create a team, i.e., an enterprise group based on the Enterprise WeChat. For example, User A may configure "Team Name" as "Enterprise AA", "Industry" as "catering", "Enterprise Size" as "30-100 persons", "Region" as "Hangzhou", etc., indicating that the "Enterprise AA" is a catering enterprise in Hangzhou and the number of employees is 30-100.

In the embodiment shown in FIG. 7, the Enterprise WeChat may limit the number of "team members" to be greater than or equal to 6. On one hand, it can prevent the enterprise group from being maliciously created and causing waste of resources, and on the other hand, it helps users better experience the team functions of the enterprise group. User A may select

a team member from the in-app contacts of the Enterprise WeChat, or select a team member from the local contacts on the mobile phone 13, or select a team member by other means; for example, team members that have not yet registered on the Enterprise WeChat will not be able to log in to the Enterprise WeChat client terminal, and the Enterprise WeChat server terminal may help them complete the registration by sending an invitation message to these team members.

After completing the above-mentioned items, User A may implement the team creation operation by triggering an option “Create a team now” shown in FIG. 7 to create an Enterprise group corresponding to the Enterprise AA.

FIG. 8 is a schematic diagram of a working mode selection interface according to an example embodiment of the present application. As shown in FIG. 8, the working mode selection interface includes a plurality of alternative working modes, i.e., alternative function configuration schemes in the present application, such as function configuration schemes adopted by Enterprise BB, Enterprise CC, Enterprise DD, and the like. In an embodiment, after User A triggers the option “Create a team now” shown in FIG. 7, the Enterprise WeChat client terminal may display to User A the working mode selection interface as shown in FIG. 8, so that, after the User A selects a certain alternative working mode, the enterprise group corresponding to the Enterprise AA adopts the selected alternative working mode, that is, the functions of the enterprise group are configured according to the selected alternative working mode.

In the working mode selection interface shown in FIG. 8, the alternative working modes shown may include working modes applicable to the Enterprise AA; in other words, the working modes applicable to the Enterprise AA may be filtered from all working modes, and the filtered working modes are shown in the working mode selection interface as the alternative working modes described above. There may be various sources of the working modes for filtering. For example, one source may be a preset working mode provided by the Enterprise WeChat (for example, provided by the developer of the Enterprise WeChat), and another source may be working modes adopted by other groups, for example, working modes shared by other groups using the working modes (the following is a detailed description of the filtering operation, which will not be described here).

The above filtering operation may be implemented based on the attribute information of the Enterprise AA. For example, because the industry of Enterprise AA is the catering industry, working modes applicable to the catering industry may be selected; for example, Enterprise BB, Enterprise CC, Enterprise DD, etc. are all catering enterprises, so working

modes adopted by these enterprises may be provided to the User A as the alternative working modes to be selected. Further, the number of enterprise groups selecting each alternative working mode may be counted, and the alternative working modes are arranged and displayed according to the counting result in the working mode selection interface shown in FIG. 8; for example, the working modes of Enterprise BB are referred to by 856 similar enterprises, the working modes of Enterprise CC are referred to by 789 similar enterprises, and the working modes of Enterprise DD are referred to by 756 similar enterprises; therefore, the working modes of Enterprise BB, Enterprise CC and Enterprise DD are arranged and displayed in sequence according to the number of enterprises referring to the working modes.

In addition to selecting the existing working modes, User A may customize the working mode of the Enterprise AA by triggering an option "Create my working mode" in the working mode selection interface shown in FIG. 8.

Certainly, in some cases, User A may not want to set a working mode for the enterprise group of the Enterprise AA, or may temporarily not be able to determine the working mode that is desired to be selected, then User A may temporarily skip the selection of the working mode and wait for subsequent selection and setting by triggering an option "Skip" in the working mode selection interface shown in FIG. 8.

FIG. 9 is a schematic diagram of an enterprise function interface according to an example embodiment of the present application. As shown in FIG. 9, it is assumed that User A completes the setting operation of the working mode of the Enterprise AA by selecting an existing working mode or customizing a working mode, and the enterprise function interface may include the functions of the Enterprise AA, for example, functions of "Daily office work" type, such as "Clock in" function, "Teleconference" function, and "Daily business report" function, and for another example, functions of "Business template" type, such as a "Daily business report" template and an "Attendance report" template.

In contrast, when User A does not set the working mode of the Enterprise AA, the enterprise function interface corresponding to the Enterprise AA is as shown in FIG. 10, and the enterprise function interface does not include the above functions as shown in FIG. 9, which is not favorable for team members to perform related business operations. Certainly, User A can view all the functions provided by the Enterprise WeChat by triggering an option "Application center" shown in FIG. 10, and add them as the functions of the Enterprise AA, which is equivalent to User A manually creating the working mode adopted by the Enterprise AA. Alternatively, by triggering an option "Select a working mode" shown in FIG. 10, User A turns to the working mode selection interface shown in FIG. 8 to browse and select the

alternative working mode without viewing the functions in the “Application center” one by one.

In addition, when User A does not set the working mode of the Enterprise AA, the Enterprise WeChat may also actively recommend the working modes applicable to the Enterprise AA, and the user A does not need to trigger the option "Select a working mode" shown in FIG. 10. In an embodiment, the form of the active recommendation may include: providing a smart customer service by the Enterprise WeChat, the smart customer service may display a dialog box as shown in FIG. 11 at the enterprise function interface of the Enterprise AA, and recommend the working mode of Enterprise BB to User A with prompt information such as “Hello, I can help you quickly understand how Enterprise BB works. Do you need help now?”. Then, when User A triggers an option "Help", the working mode of Enterprise BB may be viewed and applied, and when User A triggers an option "Browse", User A may turn to the working mode selection interface as shown in FIG. 8 to view more alternative working modes. Certainly, even if User A has already set the working mode of the Enterprise AA, the above-described smart customer service may still provide the prompt information to User A, to optimize the working mode of the Enterprise AA.

User A may set one or more associated working modes for the Enterprise AA and select, from these associated working modes, a working mode desired to be applied to the Enterprise AA. For example, as shown in FIG. 12, when the User A selects the working mode of the Enterprise BB, the enterprise function interface of the Enterprise AA may show the corresponding functions; for example, in the enterprise function interface, prompt information, such as “based on the working mode of Enterprise BB”, may also be shown to indicate that the working mode of Enterprise BB is adopted currently.

The working mode selected by Enterprise AA may be switched between the multiple working modes associated with Enterprise AA. For example, as shown in FIG. 12, when User A triggers an option “Switch” in the enterprise function interface, the Enterprise WeChat client terminal may display a corresponding working mode switching interface, and the working mode switching interface displays all the working modes associated with Enterprise AA, including the selected working mode of Enterprise BB, and working modes of Enterprise CC, Enterprise DD, Enterprise EE, etc., as alternative working modes; when User A triggers an option "Enable" corresponding to Enterprise CC, Enterprise DD, or Enterprise EE, for example, triggers the option "Enable" corresponding to Enterprise CC, the working mode applied by Enterprise AA is then switched from the working mode of Enterprise BB to the working mode of Enterprise CC.

As described above, in the technical solution of the present application, the function configuration schemes adopted may be shared among teams. The sharing process of the team configuration schemes is described below.

FIG. 13 is a schematic architecture diagram of a system for sharing a team configuration scheme according to an example embodiment of the present application. As shown in FIG. 13, the system may include several electronic devices such as a mobile phone 15 and a PC 16 in addition to the server 11, the network 12, and the mobile phone 13 and the PC 14 as shown in FIG. 1.

Similar to the mobile phone 13 and the PC 14, the mobile phone 15 and the PC 16 are just one type of electronic devices that may be used by users. In fact, users apparently may also use such electronic devices as tablet devices, notebook computers, PDAs (Personal Digital Assistants), wearable devices (such as smart glasses and smart watches), etc., which is not limited by the present application. During operation, the electronic devices, such as the mobile phone 13 and the PC 14, as well as the mobile phone 15 and the PC 16, may run a client-side program of an application to implement related functions of the application, for example, to implement client terminals of the mobile group office platform.

Then, when the mobile phone 13 or the PC 14 corresponds to the first team and the mobile phone 15 or the PC 16 corresponds to the second team, the team configuration scheme of the first team may be shared to the second team, or the team configuration scheme of the second team may be shared to the first team. The sharing process will be described in detail below in conjunction with the embodiments.

FIG. 14A is a flowchart of a method for sharing a team configuration scheme according to an example embodiment of the present application. As shown in FIG. 14A, the method may be applied to, for example, the server 11 shown in FIG. 13, and may also be applied to, for example, the mobile phone 13 and the PC 14 or the mobile phone 15 and the PC 16 shown in FIG. 13, and the method may include the following steps.

In step 1402A, a function configuration scheme corresponding to a team is generated according to functions adopted by the team.

In step 1404A, the function configuration scheme is shared to another team to configure the functions of the another team.

In this embodiment, the function configuration scheme may be sent to the other team; alternatively, the function configuration scheme may be shared to a shared platform such that the function configuration scheme is pushed by the shared platform to the other team; alternatively, the function configuration scheme may be shared to the shared platform,

wherein the other team has an access permission to the shared platform. Certainly, the function configuration scheme may also be shared by other means, which is not limited by the present application.

5 In this embodiment, when the function configuration scheme is updated, update data may be sent to the other team; wherein, when the other team adopts the function configuration scheme, the update data is used for updating the functions configured for the other team.

10 FIG. 14B is a flowchart of another method for sharing a team configuration scheme according to an example embodiment of the present application. As shown in FIG. 14B, the method may be applied to, for example, the server 11 shown in FIG. 13, and may also be applied to, for example, the mobile phone 15 or the PC 16 shown in FIG. 13, and the method may include the following steps.

In step 1402B, a function configuration scheme adopted by a team is determined.

15 In step 1404B, the function configuration scheme is shared to another team to configure the functions of the another team.

In this embodiment, the function configuration scheme may be sent to the other team; alternatively, the function configuration scheme may be shared to a shared platform such that the function configuration scheme is pushed by the shared platform to the other team; alternatively, the function configuration scheme may be shared to the shared platform, 20 wherein the other team has an access permission to the shared platform. Certainly, the function configuration scheme may also be shared by other means, which is not limited by the present application.

In this embodiment, when the function configuration scheme is updated, update data may be sent to the other team; wherein, when the other team adopts the function 25 configuration scheme, the update data is used for updating the functions configured for the other team. For example, the update data may be sent to a shared platform and pushed to another team by the shared platform, or the shared platform is accessed by another team with an access permission to obtain the updated data.

30 FIG. 15A is a flowchart of a yet another method for sharing a team configuration scheme according to an example embodiment of the present application. As shown in FIG. 15A, the method may be applied to, for example, the server 11 shown in FIG. 13, and may also be applied to, for example, the mobile phone 15 or the PC 16 shown in FIG. 13, and the method may include the following steps.

In step 1502A, a function configuration scheme corresponding to a team is generated according to functions adopted by the team.

In step 1504A, the function configuration scheme is shared to a shared platform such that the function configuration scheme is pushed by the shared platform to another team to

5 configure the functions of the another team; or

the function configuration scheme is shared to the shared platform to configure the functions of the other team, wherein the other team has an access permission to the shared platform.

In this embodiment, when the function configuration scheme is updated, update data may be sent to the other team; wherein, when the other team adopts the function configuration scheme, the update data is used for updating the functions configured for the other team. For example, the update data may be sent to a shared platform and pushed to another team by the shared platform, or the shared platform is accessed by another team with an access permission to obtain the updated data.

10 FIG. 15B is a flowchart of a yet another method for sharing a team configuration scheme according to an example embodiment of the present application. As shown in FIG. 15B, the method may be applied to, for example, the server 11 shown in FIG. 13, and may also be applied to, for example, the mobile phone 15 or the PC 16 shown in FIG. 13, and the method may include the following steps.

15 In step 1502B, a function configuration scheme adopted by a team is determined.

In step 1504B, the function configuration scheme is shared to a shared platform such that the function configuration scheme is pushed by the shared platform to another team to configure the functions of the another team; or the function configuration scheme is shared to the shared platform to configure the functions of the another team, wherein the another team

20 has an access permission to the shared platform.

In this embodiment, when the function configuration scheme is updated, update data may be sent to the other team; wherein, when the other team adopts the function configuration scheme, the update data is used for updating the functions configured for the other team. For example, the update data may be sent to a shared platform and pushed to another team by the shared platform, or the shared platform is accessed by another team with an access permission to obtain the updated data.

25 FIG. 16 is a schematic diagram of a working mode creation interface according to an example embodiment of the present application. It is assumed that User A in the above embodiment turns to the working mode creation interface as shown in FIG. 16 by triggering

an option "Create my working mode" shown in FIG. 8, and selects functions applied to Enterprise AA; User A may create a customized working mode by triggering the option "Create my working mode" in the working mode creation interface.

When Enterprise AA applies a working mode customized by User A, an option, such as "Share my working mode", may be displayed in the enterprise function interface as shown in FIG. 17, so that User A can share the above customized working mode by triggering the option. For example, the customized working mode may be directly shared with other teams; or, the customized working mode may be shared to the Enterprise WeChat (equivalent to a shared platform) for viewing and use by other teams of the Enterprise WeChat; or the customized working mode may be actively recommended by the Enterprise WeChat to other teams.

FIG. 18 shows a schematic structural diagram of an electronic device according to an example embodiment of the present application. Referring to FIG. 18, at the hardware level, the electronic device includes a processor 1802, an internal bus 1804, a network interface 1806, an internal memory 1808, and a non-volatile memory 1810, and certainly may also include hardware required for other services. The processor 1802 reads a corresponding computer program from the non-volatile memory 1810 into the internal memory 1808 and then operates, thus forming a team configuration apparatus at a logical level. Certainly, in addition to software implementations, the present application does not exclude other implementations, such as a logic device or an implementation combining software and hardware, etc.; in other words, the execution subject of the following processing flow is not limited to each logical unit, and it also may be hardware or a logic device.

Referring to FIG. 19, in some software implementations, the team configuration apparatus may include:

a creating unit 1901, configured to create a team according to a received team creation instruction;

a first obtaining unit 1902, configured to obtain alternative function configuration schemes applicable to the team; and

a first selecting unit 1903, configured to select at least one function configuration scheme from the alternative function configuration schemes such that the selected function configuration scheme is applied to configure the functions of the team.

Referring to FIG. 20, in some software implementations, the team configuration apparatus may include:

a second obtaining unit 2001, configured to obtain alternative function configuration

schemes applicable to a team; and

a second selecting unit 2002, configured to select at least one function configuration scheme from the alternative function configuration schemes such that the selected function configuration scheme is applied to configure the functions of the team.

5 For example, the second determining unit 2001 is specifically configured to determine a team type to which the team belongs according to attribute information of the team; and

obtain function configuration schemes corresponding to the team type as the alternative function configuration schemes.

10 For example, the attribute information includes at least one of: geographical location information, the number of members, team affiliation information, and industry affiliation information.

For example, the alternative function configuration schemes include at least one of:

15 a preset function configuration scheme, and function configuration schemes adopted by other teams.

For example, an associated display interface of the team includes a control entry for the functions.

For example, members of the team have control permissions to the functions.

For example, the team configuration apparatus further includes:

20 an update data receiving unit 2003, configured to receive update data for the selected function configuration scheme; and

an updating unit 2004, configured to update the functions configured for the team according to the update data.

25 For example, the update data is derived from a scheme update operation implemented by a creator of the selected function configuration scheme.

Referring to FIG. 21, in some software implementations, the team configuration apparatus may include:

a third obtaining unit 2101, configured to obtain alternative configuration schemes applicable to a team; and

30 a third selecting unit 2102, configured to select at least one configuration scheme from the alternative configuration schemes such that the selected configuration scheme is applied to configure the team.

Referring to FIG. 22, in some software implementations, the team configuration apparatus may include:

a switching instruction receiving unit 2201, configured to receive a scheme switching instruction for a team; and

a switching unit 2202, configured to determine, from function configuration schemes associated with the team, a target function configuration scheme indicated by the scheme switching instruction such that the target function configuration scheme is applied to configure the functions of the team.

Referring to FIG. 23, in some software implementations, the team configuration apparatus may include:

a fourth selecting unit 2301, configured to select a target function configuration scheme from function configuration schemes associated with a team such that the target function configuration scheme is applied to configure the functions of the team.

FIG. 24 shows a schematic structural diagram of an electronic device according to an example embodiment of the present application. Referring to FIG. 24, at the hardware level, the electronic device includes a processor 2402, an internal bus 2404, a network interface 2406, an internal memory 2408, and a non-volatile memory 2410, and certainly may also include hardware required for other services. The processor 2402 reads a corresponding computer program from the non-volatile memory 2410 into the internal memory 2408 and then operates, thus forming an apparatus for sharing a team configuration scheme at a logical level. Certainly, in addition to software implementations, the present application does not exclude other implementations, such as a logic device or an implementation combining software and hardware, etc.; in other words, the execution subject of the following processing flow is not limited to each logical unit, and it also may be hardware or a logic device.

Referring to FIG. 25, in some software implementations, the apparatus for sharing a team configuration scheme may include:

a first generating unit 2501, configured to generate a function configuration scheme corresponding to a team according to functions adopted by the team; and

a first sharing unit 2502, configured to share the function configuration scheme to another team to configure the functions of the other team.

Referring to FIG. 26, in some software implementations, the apparatus for sharing a team configuration scheme may include:

a first scheme determining unit 2601, configured to determine a function configuration scheme adopted by a team; and

a second sharing unit 2602, configured to share the function configuration scheme to another team to configure the functions of the other team.

For example, the second sharing unit 2602 is specifically configured to send the function configuration scheme to the other team; or share the function configuration scheme to a shared platform such that the function configuration scheme is pushed by the shared platform to the other team; or

5 share the function configuration scheme to the shared platform, wherein the other team has an access permission to the shared platform.

For example, the apparatus further includes:

a sending unit 2603, configured to send update data to the other team when the function configuration scheme is updated;

10 wherein, when the other team adopts the function configuration scheme, the update data is used for updating the functions configured for the other team.

Referring to FIG. 27, in some software implementations, the apparatus for sharing a team configuration scheme may include:

15 a second generating unit 2701, configured to generate a function configuration scheme corresponding to a team according to functions adopted by the team; and

20 a third sharing unit 2702, configured to share the function configuration scheme to a shared platform such that the function configuration scheme is pushed by the shared platform to another team to configure the functions of the other team; or share the function configuration scheme to the shared platform to configure the functions of the other team, wherein the other team has an access permission to the shared platform.

Referring to FIG. 28, in some software implementations, the apparatus for sharing a team configuration scheme may include:

a second scheme determining unit 2801, configured to determine a function configuration scheme adopted by a team; and

25 a fourth sharing unit 2802, configured to share the function configuration scheme to a shared platform such that the function configuration scheme is pushed by the shared platform to another team to configure the functions of the other team; or share the function configuration scheme to the shared platform to configure the functions of the other team, wherein the other team has an access permission to the shared platform.

30 The systems, apparatuses, modules or units illustrated in the above embodiments may specifically be implemented by a computer chip or an entity, or by a product having a certain function. A typical implementing device is a computer, and the computer may be in a specific form of a personal computer, a laptop computer, a cellular phone, a camera phone, a smart phone, a personal digital assistant, a media player, a navigation device, an email device, a

game console, a tablet computer, a wearable device or a combination of any of these devices.

In a typical configuration, the computer includes one or more processors (CPUs), input/output interfaces, network interfaces, and a memory.

The memory may be in a form of a non-permanent memory, a random access memory (RAM), and/or a nonvolatile memory, such as a read-only memory (ROM) or a flash RAM, in computer-readable media. The memory is an example of computer-readable media.

Computer readable media include both permanent and non-permanent, removable and non-removable media and may store information by any method or technology. The information may be a computer readable instruction, a data structure, a module of a program or other data. Examples of computer storage media include, but are not limited to, a phase change memory (PRAM), a static random access memory (SRAM), a dynamic random access memory (DRAM), other types of random access memories (RAMs), a read only memory (ROM), an electrically erasable programmable read-only memory (EEPROM), a flash memory or other memory technologies, a compact disk read-only memory (CD-ROM), a digital versatile disc (DVD) or other optical storage devices, a tape cassette, a magnetic tape/magnetic disk storage or other magnetic storage devices or any other non-transmission medium, and may be used for storing information accessible by computing devices. As defined herein, the computer readable media do not include Transitory Media, such as modulated data signals and carriers.

It should be further noted that the term “include”, “comprise” or any other variations thereof are intended to cover non-exclusive inclusions such that a process, a method, an article, or a device that includes a series of elements not only includes those elements but also includes other elements that are not listed explicitly, or also include inherent elements of the process, the method, the article, or the device. In the absence of more limitations, an element defined by the sentence "including a/an..." does not exclude that the process, the method, the article or the device including the element further has other identical elements.

The terminology used in the present application is for the purpose of describing specific embodiments, but not intended to limit the present application. The singular forms "a", "said" and "the" as used in the present application and the appended claims are also intended to include plural forms unless otherwise other meanings are explicitly indicated in the context. It also should be understood that the term "and/or" as used herein refers to encompassing any or all possible combinations of one or more associated listed items.

It should be understood that although the terms “first”, “second”, “third”, etc. may be used in the present application to describe various types of information, such information

should not be limited to these terms. These terms are only used to distinguish the same type of information from each other. For example, first information may also be referred to as second information without departing from the scope of the present application. Similarly, the second information may also be referred to as the first information. It depends on the context; 5 for example, the word "if" as used herein may be interpreted as "at the time of" or "when" or "in response to a determination".

The above description is merely preferred embodiments of the present application and is not intended to limit the present application. Any of modifications, equivalent substitutions, improvements and the like, made within the spirit and principle of the present 10 application shall be covered in the scope of the present application.

CLAIMS

1. A team configuration method, comprising:
creating a team according to a received team creation instruction;
5 obtaining alternative function configuration schemes applicable to the team; and
selecting at least one function configuration scheme from the alternative function
configuration schemes such that the selected function configuration scheme is applied to
configure functions of the team.
- 10 2. A team configuration method, comprising:
obtaining alternative function configuration schemes applicable to a team; and
selecting at least one function configuration scheme from the alternative function
configuration schemes such that the selected function configuration scheme is applied to
configure functions of the team.
- 15 3. The method according to claim 2, wherein obtaining alternative function
configuration schemes applicable to a team comprises:
determining a team type to which the team belongs according to attribute information
of the team; and
20 obtaining function configuration schemes corresponding to the team type as the
alternative function configuration schemes.
- 25 4. The method according to claim 3, wherein the attribute information comprises
at least one of:
geographical location information, the number of members, team affiliation
information, and industry affiliation information.
- 30 5. The method according to claim 2, wherein the alternative function
configuration schemes comprise at least one of:
a preset function configuration scheme, and function configuration schemes adopted
by other teams.
6. The method according to claim 2, wherein an associated display interface of
the team comprises a control entry for the functions.

7. The method according to claim 2, wherein members of the team have control permissions to the functions.

8. The method according to claim 2, further comprising:

5 receiving update data for the selected function configuration scheme; and
updating the functions configured for the team according to the update data.

9. The method according to claim 8, wherein the update data is derived from a scheme update operation implemented by a creator of the selected function configuration
10 scheme.

10. A team configuration method, comprising:

obtaining alternative configuration schemes applicable to a team; and

selecting at least one configuration scheme from the alternative configuration schemes

15 such that the selected configuration scheme is applied to configure the team.

11. A team configuration method, comprising:

receiving a scheme switching instruction for a team; and

determining, from function configuration schemes associated with the team, a target

20 function configuration scheme indicated by the scheme switching instruction such that the
target function configuration scheme is applied to configure functions of the team.

12. A team configuration method, comprising:

selecting a target function configuration scheme from function configuration schemes

25 associated with a team such that the target function configuration scheme is applied to
configure functions of the team.

13. A method for sharing a team configuration scheme, comprising:

generating a function configuration scheme corresponding to a team according to
30 functions adopted by the team; and

sharing the function configuration scheme to another team to configure functions of
the other team.

14. A method for sharing a team configuration scheme, comprising:
determining a function configuration scheme adopted by a team; and
sharing the function configuration scheme to another team to configure functions of
the other team.

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15. The method according to claim 14, wherein sharing the function configuration
scheme to another team comprises:

sending the function configuration scheme to the other team; or

10 sharing the function configuration scheme to a shared platform such that the function
configuration scheme is pushed by the shared platform to the other team; or

sharing the function configuration scheme to the shared platform, wherein the other
team has an access permission to the shared platform.

16. The method according to claim 14, further comprising:

15 sending update data to the other team when the function configuration scheme is
updated,

wherein, when the other team adopts the function configuration scheme, the update
data is used for updating the functions configured for the other team.

20 17. A method for sharing a team configuration scheme, comprising:

generating a function configuration scheme corresponding to a team according to
functions adopted by the team; and

sharing the function configuration scheme to a shared platform such that the function
configuration scheme is pushed by the shared platform to another team to configure functions

25 of the other team; or

sharing the function configuration scheme to the shared platform to configure the
functions of the other team, wherein the other team has an access permission to the shared
platform.

30 18. A method for sharing a team configuration scheme, comprising:

determining a function configuration scheme adopted by a team; and

sharing the function configuration scheme to a shared platform such that the function
configuration scheme is pushed by the shared platform to another team to configure functions
of the other team; or

sharing the function configuration scheme to the shared platform to configure the functions of the other team, wherein the other team has an access permission to the shared platform.

5 19. A team configuration apparatus, comprising:
 a creating unit, configured to create a team according to a received team creation instruction;

 a first obtaining unit, configured to obtain alternative function configuration schemes applicable to the team; and

10 a first selecting unit, configured to select at least one function configuration scheme from the alternative function configuration schemes such that the selected function configuration scheme is applied to configure functions of the team.

 20. A team configuration apparatus, comprising:

15 a second obtaining unit, configured to obtain alternative function configuration schemes applicable to a team; and

 a second selecting unit, configured to select at least one function configuration scheme from the alternative function configuration schemes such that the selected function configuration scheme is applied to configure functions of the team.

20 21. The apparatus according to claim 20, wherein the second obtaining unit is specifically configured to

 determine a team type to which the team belongs according to attribute information of the team; and

25 obtain function configuration schemes corresponding to the team type as the alternative function configuration schemes.

 22. The apparatus according to claim 21, wherein the attribute information comprises at least one of:

30 geographical location information, the number of members, team affiliation information, and industry affiliation information.

 23. The method according to claim 20, wherein the alternative function configuration schemes comprise at least one of:

a preset function configuration scheme, and function configuration schemes adopted by other teams.

24. The apparatus according to claim 20, wherein an associated display interface
5 of the team comprises a control entry for the functions.

25. The apparatus according to claim 20, wherein members of the team have control permissions to the functions.

26. The apparatus according to claim 20, further comprising:
10 an update data receiving unit, configured to receive update data for the selected function configuration scheme; and
an updating unit, configured to update the functions configured for the team according to the update data.

27. The apparatus according to claim 26, wherein the update data is derived from
15 a scheme update operation implemented by a creator of the selected function configuration scheme.

28. A team configuration apparatus, comprising:
20 a third obtaining unit, configured to obtain alternative configuration schemes applicable to a team; and
a third selecting unit, configured to select at least one configuration scheme from the alternative configuration schemes such that the selected configuration scheme is applied to
configure the team.

29. A team configuration apparatus, comprising:
25 a switching instruction receiving unit, configured to receive a scheme switching instruction for a team; and
a switching unit, configured to determine, from function configuration schemes associated with the team, a target function configuration scheme indicated by the scheme
30 switching instruction such that the target function configuration scheme is applied to configure functions of the team.

30. A team configuration apparatus, comprising:
a fourth selecting unit, configured to select a target function configuration scheme from function configuration schemes associated with a team such that the target function configuration scheme is applied to configure functions of the team.

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31. An apparatus for sharing a team configuration scheme, comprising:
a first generating unit, configured to generate a function configuration scheme corresponding to a team according to functions adopted by the team; and
a first sharing unit, configured to share the function configuration scheme to another
10 team to configure the functions of the other team.

32. An apparatus for sharing a team configuration scheme, comprising:
a first scheme determining unit, configured to determine a function configuration scheme adopted by a team; and
15 a second sharing unit, configured to share the function configuration scheme to another team to configure the functions of the other team.

33. The apparatus according to claim 32, wherein the second sharing unit is specifically configured to
20 send the function configuration scheme to the other team; or
share the function configuration scheme to a shared platform such that the function configuration scheme is pushed by the shared platform to the other team; or
share the function configuration scheme to the shared platform, wherein the other team has an access permission to the shared platform.

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34. The apparatus according to claim 32, further comprising:
a sending unit, configured to send update data to the other team when the function configuration scheme is updated,
wherein, when the other team adopts the function configuration scheme, the update
30 data is used for updating the functions configured for the other team.

35. An apparatus for sharing a team configuration scheme, comprising:
a second generating unit, configured to generate a function configuration scheme corresponding to a team according to functions adopted by the team; and

a third sharing unit, configured to share the function configuration scheme to a shared platform such that the function configuration scheme is pushed by the shared platform to another team to configure functions of the other team; or share the function configuration scheme to the shared platform to configure the functions of the other team, wherein the other team has an access permission to the shared platform.

36. An apparatus for sharing a team configuration scheme, comprising:

a second scheme determining unit, configured to determine a function configuration scheme adopted by a team; and

a fourth sharing unit, configured to share the function configuration scheme to a shared platform such that the function configuration scheme is pushed by the shared platform to another team to configure functions of the other team; or share the function configuration scheme to the shared platform to configure the functions of other team, wherein the other team has an access permission to the shared platform.